Draft Environmental Impact Report

SCH# 2024081205

Volume 4

Appendix H through L

MOJAVE LIFE OF MINE RECLAMATION PLAN AMENDMENT PROJECT
by CalPortland Company.
(PP18108)

CUP No. 21, Map 197; CUP No. 46, Map 198

Kern County
Planning and Natural Resources Department
Bakersfield, CA

April 2026

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Volume 4—Appendices H through L

NOTE TO REVIEWER OF ELECTRONIC FILES:

To assist you in reviewing this electronic document, "bookmarks" and/or "links" have been provided for easier navigation between sections. When available, bookmarks are located in the panel to the left. Links are highlighted in **BLUE** in the Table of Contents. Clicking on either the bookmarks or links will take you to the selected item.

Appendix H: Phase I Environmental Site Assessment – CalPortland Cement Company

Appendix I: Hydrology and Water Quality Studies

- Appendix I.1: Water Supply Assessment - Mojave Life of Mine Reclamation Plan Amendment Project
- Appendix I.2: Estimated Reclamation Water Use for the CalPortland Mojave Life of Mine Reclamation Plan Amendment Project
- Appendix I.3: Mojave Overburden Sampling Results Memo
- Appendix I.4: Water Quality Memorandum for the Mojave Life of Mine Reclamation Plan Amendment Project
- Appendix I.5: Drainage Report for CalPortland Company Mojave Quarry

Appendix J: Noise Analysis Memorandum – CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment

Appendix K: CEQA Transportation and Vehicle Miles Travelled (VMT) Memorandum – CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment

Appendix L: Wildfire Resource Analysis Memorandum – CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment

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Appendix H

Phase I Environmental Site Assessment
CalPortland Cement Company

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A Trinity Consultants Company
374 Poli Street, Suite 200 • Ventura, California 93001

PHASE I ENVIRONMENTAL SITE ASSESSMENT

CalPortland Cement Company
9350 Oak Creek Road
Mojave, California 93501

October 3, 2022

Sespe Project 220509.0079

Prepared for:

CalPortland Company
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Mike Biedebach
Project Manager

Rob Dal Farra
Vice President



PHASE I ENVIRONMENTAL SITE ASSESSMENT
CalPortland Cement Company
9350 Oak Creek Road
Mojave, California 93501

October 3, 2022

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FIGURE

Figure 1 Site Plan

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1 Site Reconnaissance Photographs
2 Supporting Documentation
3 Regulatory Agency Database Report



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PHASE I ENVIRONMENTAL SITE ASSESSMENT
CalPortland Cement Company
9350 Oak Creek Road
Mojave, California 93501

October 3, 2022

1.0 EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment ("Phase I ESA") has been prepared for CalPortland Cement Company ("CPC") for the Mojave Life of Mine Reclamation Plan Amendment, located at 9350 Oak Creek Road in Mojave, California. CPC is seeking to amend its existing reclamation plan, approved by Kern County in 1979 ("1979 Reclamation Plan") to include reclamation of additional limestone reserves within the vested Facility. CPC's vested facility comprises of approximately 6,680 acres. The 1979 Reclamation Plan currently covers approximately 1542 acres. The Project would amend the 1979 Reclamation Plan to cover approximately 4,394 acres of the vested Facility. Accordingly, the property that is the subject of this Phase I ESA consists of approximately 2,852 acres of CPC's vested facility that would be added to the reclamation plan ("Site").

The Site reconnaissance was completed on June 9, 2022 by SESPE Consulting, Inc. by, Mike Biedebach, to evaluate the Site for evidence of hazardous materials storage and usage, existing signs of contamination, hazardous waste generation, waste disposal activity, and similar environmental concerns. SESPE performed this Phase I ESA in general compliance with the procedures included in ASTM E 1527-13.

In summary, this Phase I ESA has not revealed recognized environmental conditions (REC) in connection with the Site.

2.0 INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment for the property located at 9350 Oak Creek Road, in an unincorporated area near Mojave, in Kern County, California. See Figure 1 for a Site Plan. This address covers an approximately 2,852-acre property that comprises a portion of CPC's Mojave facility.

CPC is seeking to amend its existing reclamation plan, approved by Kern County in 1979 ("1979 Reclamation Plan") to include reclamation of additional limestone reserves within the vested Facility. CPC's vested facility comprises of approximately 6,680 acres. The 1979 Reclamation Plan currently covers approximately 1,542 acres. The Project would amend the 1979 Reclamation Plan to cover approximately 4,394 acres of the vested Facility. Accordingly, the property that is the subject of this Phase I ESA consists of approximately 2,852 acres of CPC's vested facility that would be added to the reclamation plan ("Site").

2.1 Purpose

The primary purpose of this Phase I ESA is to provide documentation of previous and current uses of the Site to identify recognized environmental conditions (RECs), historical recognized environmental conditions (HRECs), and controlled recognized environmental conditions (CRECs) as defined in ASTM Standard E 1527-13: Standard Practice for Site Assessments: Phase I Environmental Site Assessment Process. The assessment of RECs was based primarily on conditions observed at the Site during the reconnaissance, information obtained from publicly available databases, review of information provided by the client, and interviews with individuals having relevant information pertaining to the Site. This report has been prepared to assist CPC in understanding potential environmental liabilities associated with the Site.

2.2 Scope of Services

A previous Phase I ESA report was completed on the Site by Provost & Pritchard Consulting Group in October 2017. This SESPE Phase I ESA is intended to update that report and it was performed in general compliance with the procedures included in ASTM E 1527-13. SESPE performed the following services as part of this assessment:

Site Reconnaissance: The Site reconnaissance was completed on June 9, 2022, by SESPE employee, Mike Biedebach, to evaluate the Site for evidence of hazardous materials storage and usage, existing signs of contamination, hazardous waste generation, waste disposal activity, and similar environmental concerns. Color photographs taken during the reconnaissance are in Appendix 1.

Records Review: A review of selected historic records and information was conducted to evaluate potential environmental concerns associated with past land use and operations conducted on the Site. Available records from the following regulatory and historical sources were included in this review:

- Kern County Building and Safety Department.
- Kern County Environmental Health Division.
- Kern County Fire Department.
- Lahontan Regional Water Quality Control Board.
- Regulatory agency database report, historical aerial photographs, & USGS topographic map.
- CalGEM - Oil Well Maps.
- Previous assessments.

- Interviews.

2.3 Reliance

This ESA report is prepared for the exclusive use and reliance of CPC. Use or reliance by any other party is prohibited without the written authorization of SESPE. Reliance on the Phase I ESA by CPC will be subject to the terms, conditions, and limitations stated in the SESPE terms and conditions dated January 1, 2022.

2.4 Limitations

Interpretations made by SESPE are opinions based on a review of information collected and field observations. These procedures have limitations, and therefore it should not be construed that all possible Site conditions were identified. It should be recognized that there is no guarantee this study has covered all environmental issues at the Site.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The Site is located generally southeast of Tehachapi Willow Springs Road and Oak Creek Road, in an unincorporated area near Mojave, in Kern County, California. The southern portions of the Site are located on the west side of Tehachapi Willow Springs Road. The Site includes all and/or portions of the following Assessor's parcel numbers (APNs):

- 237-032-01-00-2
- 237-053-01-00-5
- 237-071-02-00-0
- 237-071-03-00-3
- 237-071-07-00-5
- 237-071-04-00-6
- 237-073-01-00-1
- 237-073-02-00-4
- 237-091-01-00-3
- 237-091-02-00-6
- 237-091-04-00-2
- 237-091-05-00-5
- 237-091-17-00-0
- 237-093-01-01-6
- 237-101-06-01-9
- 237-102-01-00-2

As shown on Figure 1, parcel lines don't entirely match Reclamation Plan project boundaries. See Appendix 2 for a copy of the parcel summary.

3.2 General Site Description

As shown in Figure 1, the Site consists of approximately 2,852 acres of CPC's vested Mojave facility. The Site is comprised of generally vacant land that has been owned by CPC since the 1950's as mineral reserves

to supply the facility's cement plant.

3.3 Utilities

The following utilities exist:

- Sewer - Septic systems.
- Natural Gas - Southern California Gas.
- Water - Water wells.
- Power - Various sources including; Southern California Edison, natural gas, coal, heating oil, and some wind turbines, are used to power the adjacent plant areas.

3.4 Site Vicinity Characteristics

The following table identifies the surrounding land use in all directions (also see Figure 1):

Table 3.4.1 Surrounding Land Use

DIRECTION	ADJACENT LAND USE	CONCERNS
North	Vacant land and open space and areas occupied by wind turbines.	None noted.
South	CPC cement plant and buildings areas and vacant land and open space and areas occupied by wind turbines.	None noted.
East	Vacant land and open space and areas occupied by wind turbines.	None noted.
West	Vacant land and open space and areas occupied by wind turbines.	None noted.

3.5 Physical Setting

3.5.1 Topography

The USGS Monolith Topographic Quadrangle dated 1966 and photorevised in 1980 shows the elevation to range from approximately 3,450 to 4,570 feet above mean sea level.

3.5.2 Groundwater Depth

Groundwater depths in the area were obtained via GeoTracker for the CPC Site. According to the Semi-Annual 2021 Report dated January 11, 2022 and prepared by CalPortland Company (CPC 2022), groundwater depths in the wells in the Site vicinity range from approximately 45 to 227 feet below ground surface. CPC also has several water supply wells to service the facility and the depth to groundwater in these wells was cited to range from 56 to 112 feet below ground surface. Source: Water Supply Assessment report (Figure 2) dated August 20, 2021 and prepared by Sespe Consulting.

3.5.3 Groundwater Flow

Based on a review CPC 2022 report, groundwater flows in a southeasterly/easterly direction.

4.0 SITE RECONNAISSANCE

4.1 Methodologies and Limiting Conditions

Mike Biedebach of SESPE Consulting conducted a Site reconnaissance on June 9, 2022. Mr. Brian Males, Environmental Manager and a 20+ year employee of CPC, assisted with the reconnaissance and answered questions regarding history and operations. Color photographs of the Site taken during the reconnaissance are in Appendix 1.

4.2 Hazardous Material Handling and Storage Practices

No hazardous materials are maintained within the Site area subject to the Phase I ESA.

4.3 Waste Generation, Storage & Disposal

None found.

4.4 Underground Storage Tanks

None found.

4.5 Aboveground Storage Tanks

None found.

4.6 Unidentified Cover Plates, Pipes, Drains, etc.

None found.

4.7 Sumps, Pits, Clarifiers

None found.

4.8 Wastewater

None found.

4.9 Visual Indications of Onsite Contamination

None found.

4.10 Disturbed Surface Areas

The Site is largely vacant and has been held as mineral reserves in support of the facility's cement plant since the 1950's.

4.11 Fill Material Used

None found.

4.12 Onsite Wells

Several water wells exist to supply water for both operational needs and for potable needs.

4.13 High Power Transmission Lines

Transmission lines exist throughout areas of the Site. There are also scattered wind turbines in the area including eight (8) that support the CPC facility, but none of these are located on the Site.

4.14 PCBs/Electrical Transformers

No transformers are not located on the Site.

4.15 Asbestos

An asbestos survey was beyond the scope of this investigation.

5.0 HISTORIC LAND USE AND OPERATIONS

The following information and historical resources were researched, and copies of any supporting information can be found in Appendix 2.

5.1 Topographic Map Review

The USGS - 7.5 Minute Series Topographic Map, Monolith, California Quadrangle was reviewed. The map is dated 1966 and it was photorevised in 1980, and it shows the Site to be occupied by mining operations. Offsite, the adjacent plant areas and various buildings are noted as are tanks, railroad lines, ponds, etc.

5.2 Sanborn Map Review

No Sanborn map coverage exists.

5.3 CalGEM – Oil and Gas Maps

The CalGEM records were analyzed for evidence of any historic oil or gas wells to exist on the Site and none were identified. The closest identified well is located to the south, over 1.4 miles away.

5.4 Previous Assessments

A previous Phase I ESA report was completed by Provost & Pritchard in October 2017 (PP 2017) for the Site. PP 2017 identified no recognized environmental conditions for the Site.

5.5 Interviews and User-Provided Information

Mr. Males, Environmental Manager for CalPortland, was interviewed during the Site reconnaissance. He indicated that he has worked onsite for over 20 years. He reported:

- He supplied a copy of the current facility business plan, chemical inventory, and site plan which show the location of hazardous materials, tanks, etc. none were identified to exist for the mining parcels on the Site.

In an effort to gather information that may be material to identifying recognized environmental conditions, Ms. Desirea Haggard of CPC filled out a copy of the ASTM User Questionnaire (see Appendix 2 for a copy). The findings are summarized below.

5.5.1 Title Records

None supplied.

5.5.2 Environmental Liens

None disclosed.

5.5.3 Activity and Use Limitations

None disclosed.

5.5.4 Specialized Knowledge

Ms. Haggard reported that CPC has owned and operated the facility for over 60 years. They have knowledge of their property, but no knowledge of the uses of adjoining properties. The area has been held as mineral reserves for the facility's cement plant since the 1950's.

Also see Interview Section above.

5.5.5 Valuation Reduction for Environmental Issues

Not applicable, this property is not being purchased.

5.5.6 Presence or Likely Presence of Contamination at the Property

None identified.

5.5.7 Proceedings Involving the Property

None disclosed.

5.6 Aerial Photo Review

Aerial photographs of the Site and surrounding areas were reviewed, and the following table summarizes the results of the review:

Table 5.6.1 Aerial Photograph Review

YEAR	SITE LAND USE	SURROUNDING LAND USE	CONCERNS
1956	Some mining activity evident in the central area tanks in a remote area to the north.	Adjacent plant buildings are noted with some mining activities north of this and the railroad tracks are noted. Vacant land and open space with limited dirt roads and drainages in surroundings areas.	None noted.
1963/1971	Mining areas have expanded.	Plant now appears to be larger with more spurs and with improvements. Mine areas north of plant has expanded in size.	None noted.
1977	No significant change from previous photographs.	Coal storage area on northeast side of plant area is evident.	None noted.
1978	No significant change from previous photographs.	Mine areas are larger with expansion to north-central areas. Several ponds evident on south side of plant.	None noted.

YEAR	SITE LAND USE	SURROUNDING LAND USE	CONCERNS
1983	Wind turbines now evident with access roads in place.	No significant change from previous photographs.	None noted.
1986-1994	No significant change from previous photographs.	No significant change from previous photographs.	None noted.
1995-2009	No significant change from previous photographs.	No significant change from previous photographs.	None noted.
2010-2020	No significant change from previous photographs.	Additional wind turbines evident.	None noted.

6.0 GOVERNMENT RECORDS AND DATABASE REVIEW

6.1 Government Records Review

The following regulatory agencies were contacted regarding file materials for the Site as summarized below.

6.1.1 Kern County Building & Safety Department

A copy of the building permit records was obtained from this agency. The earliest records maintained by the County are permit cards which are short summaries or permit activities with dates. No permits associated with the Site were provided.

6.1.2 Kern County Environmental Health Division

This agency was contacted for records related to underground and aboveground tanks, hazardous materials/hazardous waste, inspection records and related information. No records related to the Site were provided.

6.1.3 Kern County Fire Department

This agency was contacted for records related to underground and aboveground tanks, hazardous materials/hazardous waste, inspection records and related information. Mr. Matt Redstone of this agency reported that the agency maintains records for installing tanks but they don't regulate them thereafter. A records request was submitted to this agency, however, no records related to the Site were provided.

6.1.4 Lahontan Regional Water Quality Control Board

The CalPortland Mojave Cement Plant was identified as a permitted land disposal Site and records under the GeoTracker website are extensive. This history is located offsite, south of the plant areas.

6.2 Regulatory Agency Database Review

Envirosite supplied a report containing a review of regulatory agency databases. These databases include lists of contaminated properties, properties under assessment for contamination, permitted facilities, and related listings. This report includes a radius map of listed properties located within the specified search radius of the Site. The database report appears in Appendix 3. The table below shows the databases reviewed and the search radius.

Table 6.2.1 Database Search Radius

DATABASE	MINIMUM SEARCH DISTANCE (in miles)
National Priorities List **(NPL)**	1.0
Comprehensive Environmental Response, Compensation and Liability Information System **(CERCLIS)**	0.50
CERCLIS – No Further Remedial Action Planned **(CERCLIS - NFRAP)**	0.50
Emergency Response Notification System **(ERNS)**	SITE
RCRIS Corrective Action Report **(CORRACTS)**	1.0
RCRIS Treatment, Storage, Disposal Facilities **(TSDF)**	0.50
RCRIS Large & Small Quantity Generators **(LQG/SQG)**	0.125
Engineering Controls Sites List **(US ENG Controls)/**Institutional Controls Sites List **(US INST Controls)**	0.125
State/Tribal Hazardous Waste Site	1.0
State/Tribal Brownfields	0.50
Hazardous Waste and Substances Sites List – Cal/EPA **(CORTESE)**	0.50
State/Tribal Landfill **(SWIS)**	0.50
RWQCB – Leaking Underground Storage Tank List **(LUST)**	0.50
RWQCB – Spills, Leaks, Investigations & Cleanups List **(SLIC)**	0.50
RWQCB- Solid Waste Assessment Test **(SWAT)**	0.50
Cal/EPA DTSC – Contaminated or Potentially Contaminated Hazardous Waste Sites **(ENVIROSTOR)**	0.50
State/Tribal/Local Registered Underground Storage Tanks **(USTs)**	0.125
Cal/EPA DTSC – Hazardous Waste Information System **(HAZNET)**	SITE
State/Tribal Institutional Controls/Engineering Controls **(IC/EC)**	SITE

6.2.1 Site Listings

CalPortland, 9350 Oak Creek Road was identified on numerous databases including; AST, CALARP, CERCLIS NFRAP, LDS (land disposal sites), CIWQS (stormwater), EMI/TRIS (air emissions), HAZNET, Manifest EPA, CHMIRS (spills), UST, MINES, and various other EPA tracking databases (CalEPA, ECHO, FRS, PCS, PWS, etc.). None of these listings, however, relate to the Site as they reflect off site operations within the plant areas.

6.2.2 Surrounding Property Listings

Surrounding listed properties with contamination problems that pose a significant threat to either Site would be those properties that:

- Are located immediately adjacent to the Site.
- Have a known or potential groundwater contamination problem and are located upgradient and near the Site.
- By their size or nature pose a threat to a large area (i.e., landfills, Superfund Sites, etc.).

The following table lists the total number of Sites found within the previously identified search radius, with the potentially significant Sites listed based on the above criteria.

Table 6.2.2 Summary of Listed Adjacent Properties

DATABASE	TOTAL PROPERTIES IDENTIFIED	POTENTIALLY SIGNIFICANT LISTED ADJACENT PROPERTIES
NPL	0	None.
CERCLIS	0	None.
CERCLIS – NFRAP	1	CalPortland, 9350 Oak Creek Road.
ERNS	1	None.
RCRIS CORRACTS	0	None.
RCRIS TSDF	0	None.
RCRIS LQG/SQG	0/0	None.
US ENG Controls/US INST Controls	0/0	None.
State/Tribal Hazardous Waste	0	None.
State/Tribal Brownfields	0	None.
CORTESE	0	None.
SWIS	0	None.
LUST	0	None.
SLIC	0	None.
SWAT	0	None.
ENVIROSTOR	0	None.
UST	1	CalPortland, 9350 Oak Creek Road.
HAZNET	1	CalPortland, 9350 Oak Creek Road.
IC / EC	0	None.

6.2.3 Potentially Significant Listed Adjacent Properties

Other than the CalPortland improved plant and building areas that are mentioned in Section 6.2.1 (not part of this investigation), no potentially significant adjacent properties were identified.

7.0 FINDINGS

The Site has been held as mineral reserves for CPC's offsite cement plant since the 1950's.

There are no significant improvements on the Site. There are some water supply wells and water tanks that exist on Site. No recognized environmental conditions were identified on the Site.

7.1 Recognized Environmental Conditions

No recognized environmental conditions were identified for the Site

7.2 Controlled Recognized Environmental Conditions

No controlled recognized environmental conditions were identified for the Site.

7.3 Historic Recognized Environmental Conditions

No historic recognized environmental conditions were identified for the Site.

7.4 De Minimis Conditions

No de minimis conditions were identified for the Site.

7.5 Data Gaps

No data gaps were identified for the Site

7.6 Opinions

As noted above, no RECs were identified for the Site.

7.7 Conclusions

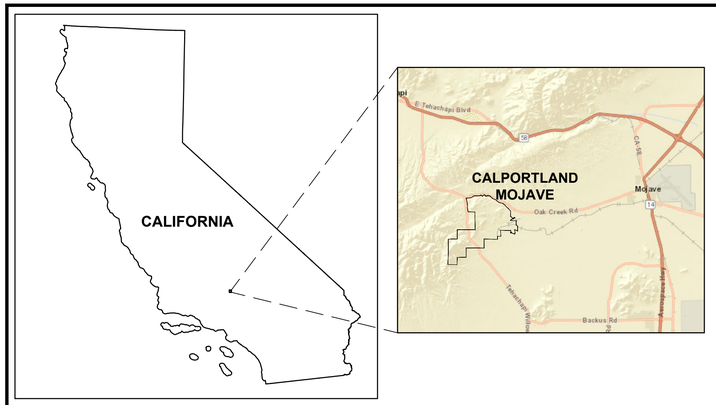
We have performed Phase I ESA in general conformance with the scope and limitations of ASTM Practice E1527-13 of the property located at 9350 Oak Creek Road, in an unincorporated area near Mojave, in Kern County, California. This assessment has revealed no evidence of recognized environmental conditions in connection with the Site.

7.8 Statement by Environmental Professional

I, Mike Biedebach, declare that, to the best of my professional knowledge and belief, meet the definition of Environmental Professional as defined in 40 CFR § 312.20 and have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

The resumes of the environmental professional, who conducted the Phase I ESA and served as the author of this report, and report reviewer are included in Appendix 2.

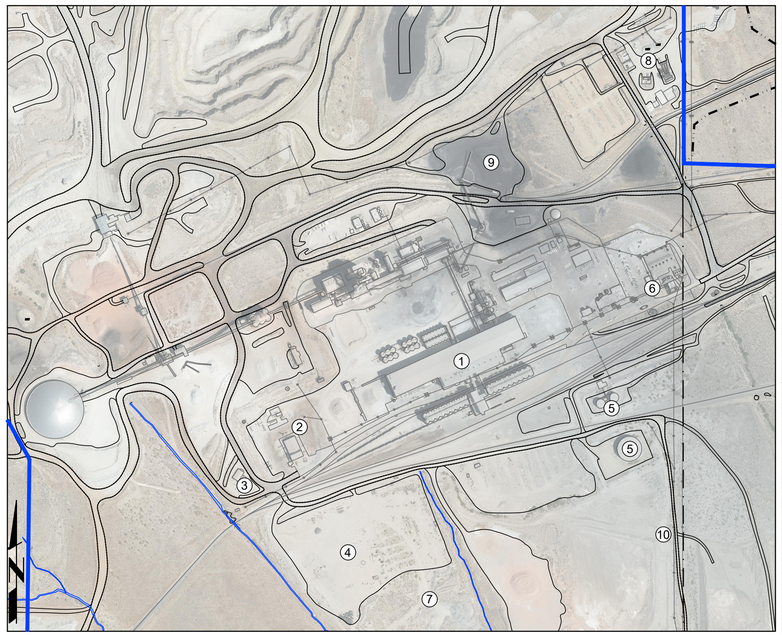
FIGURE



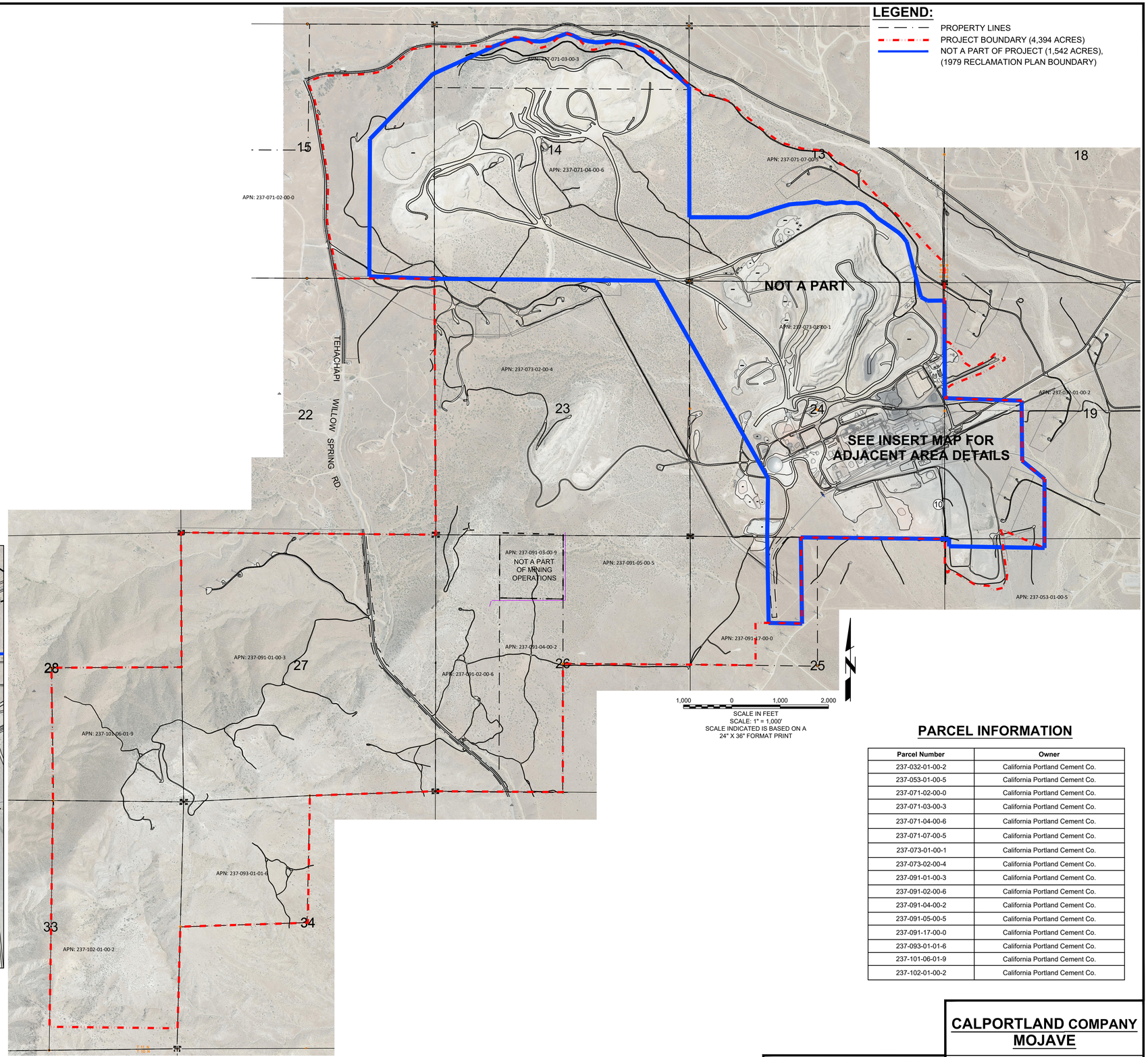
INDEX MAP

OFFSITE PLANT AREA

1. REPAIR SHOP, MAINTENANCE, WAREHOUSE
2. EQUIPMENT MAINTENANCE SHOP (FUEL AND OILS)
3. OIL STORAGE BUILDING
4. BONEYARD
5. OLD FUEL OIL TANKS
6. GENERATOR/DIESEL FUEL AST
7. FORMER BRICK DISPOSAL SITE
8. BATCH PLANT
9. COAL
10. FORMER SLURRY IMPROVEMENT / PONDS (WDR PERMIT)



400 0 400 800
SCALE IN FEET
SCALE: 1" = 800'
SCALE INDICATED IS BASED ON A
24" X 36" FORMAT PRINT



PARCEL INFORMATION

Parcel Number	Owner
237-032-01-00-2	California Portland Cement Co.
237-053-01-00-5	California Portland Cement Co.
237-071-02-00-0	California Portland Cement Co.
237-071-03-00-3	California Portland Cement Co.
237-071-04-00-6	California Portland Cement Co.
237-071-07-00-5	California Portland Cement Co.
237-073-01-00-1	California Portland Cement Co.
237-073-02-00-4	California Portland Cement Co.
237-091-01-00-3	California Portland Cement Co.
237-091-02-00-6	California Portland Cement Co.
237-091-04-00-2	California Portland Cement Co.
237-091-05-00-5	California Portland Cement Co.
237-091-17-00-0	California Portland Cement Co.
237-093-01-01-6	California Portland Cement Co.
237-101-06-01-9	California Portland Cement Co.
237-102-01-00-2	California Portland Cement Co.

PROPERTY LINES & TOPOGRAPHY: *CPC MOJAVE ALTA / NSPS SURVEY*, SMITHCO SURVEYING ENGINEERING, SEPTEMBER 2020 (D'ARTAGNAN ALBA, PLS NO. 9052)
CONTOUR INTERVAL: 10 FEET MAJOR, 2 FEET MINOR
DATUM: HORZ= NAD27, CALIFORNIA ZONE 5, US FOOT
VERT= NAVD88

CALPORTLAND COMPANY
MOJAVE
9350 OAK CREEK ROAD
MOJAVE, CALIFORNIA 93501

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SCALE: HORIZ. AS SHOWN
VERT. AS SHOWN
DRAWN BY: G.CAMUS
CHECKED BY: MB

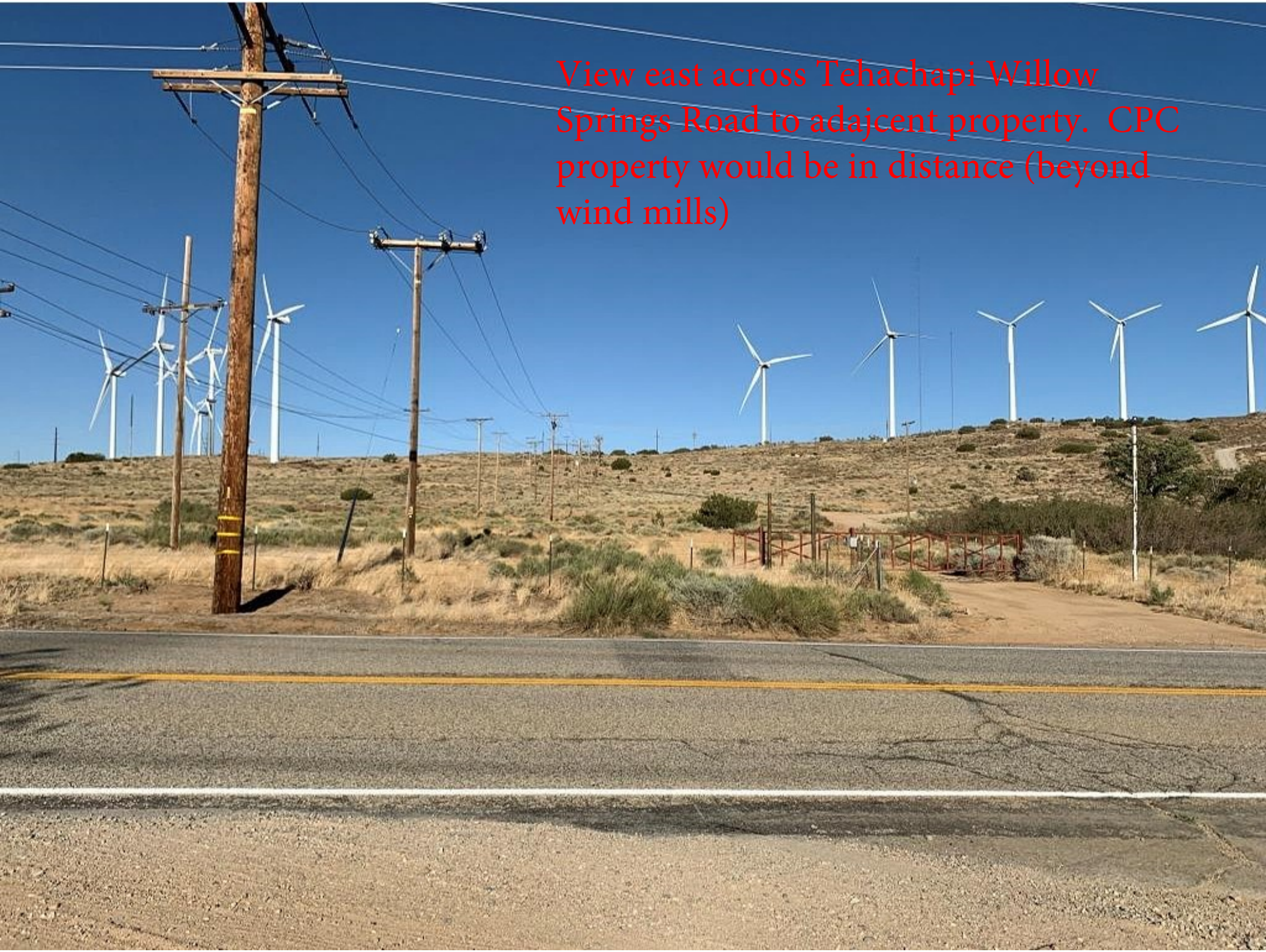
FIGURE 1

APPENDIX 1

Site Reconnaissance Photographs


Main entrance to property at
Oak Creek Road


View south along Tehachapi
Willow Springs Road near
Oak Creek Road intersection

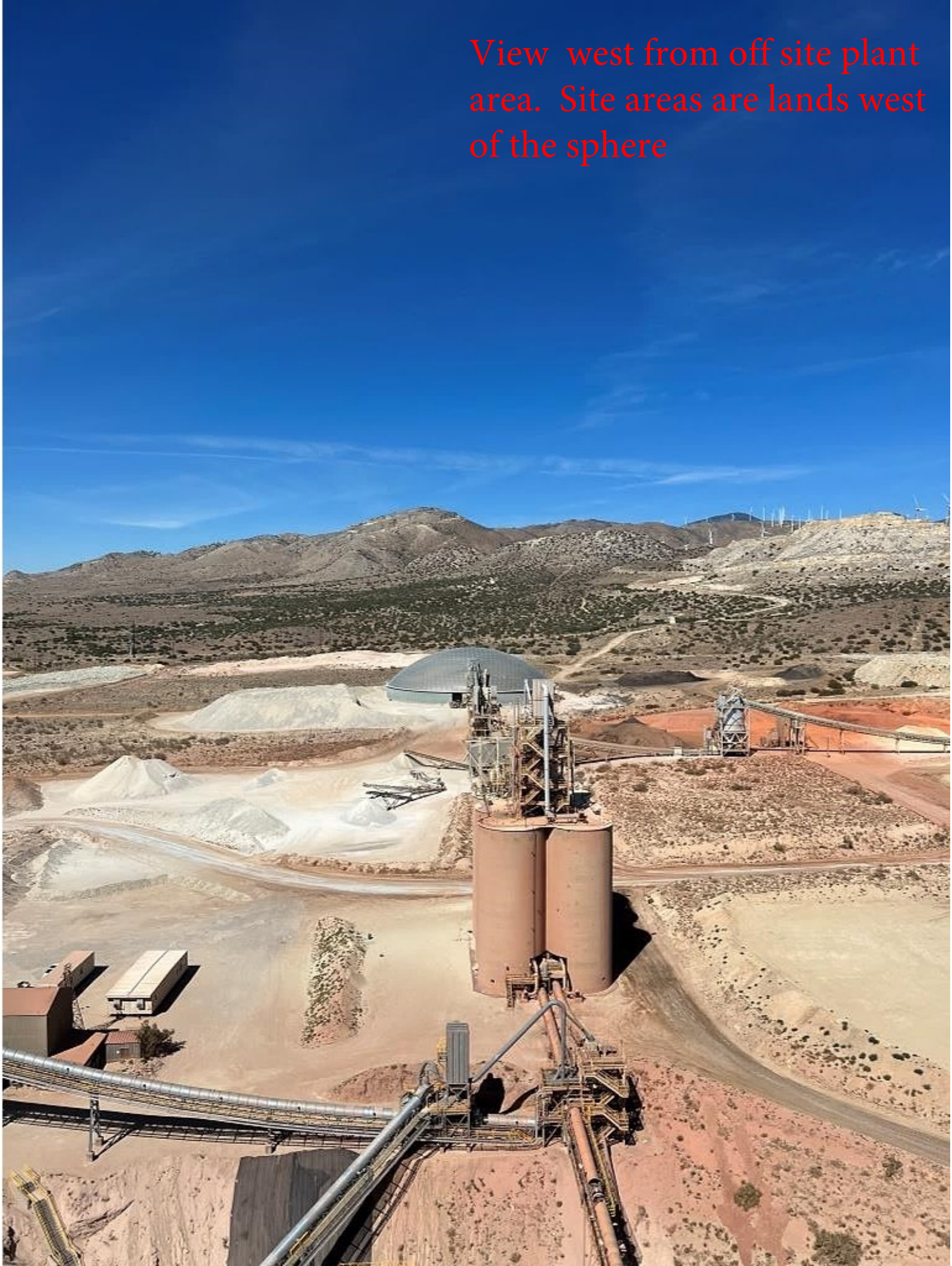

View east across Tehachapi Willow Springs Road to adajcent property. CPC property would be in distance (beyond wind mills)


View east across Tehachapi Willow Springs Road to adajcent property. CPC property would be to left (out of view).
STOP


View north along Tehachapi Willow Springs Road in the southwestern portions of the CPC property


View north along Tehachapi Willow Springs Road in the southwestern portions of the CPC property

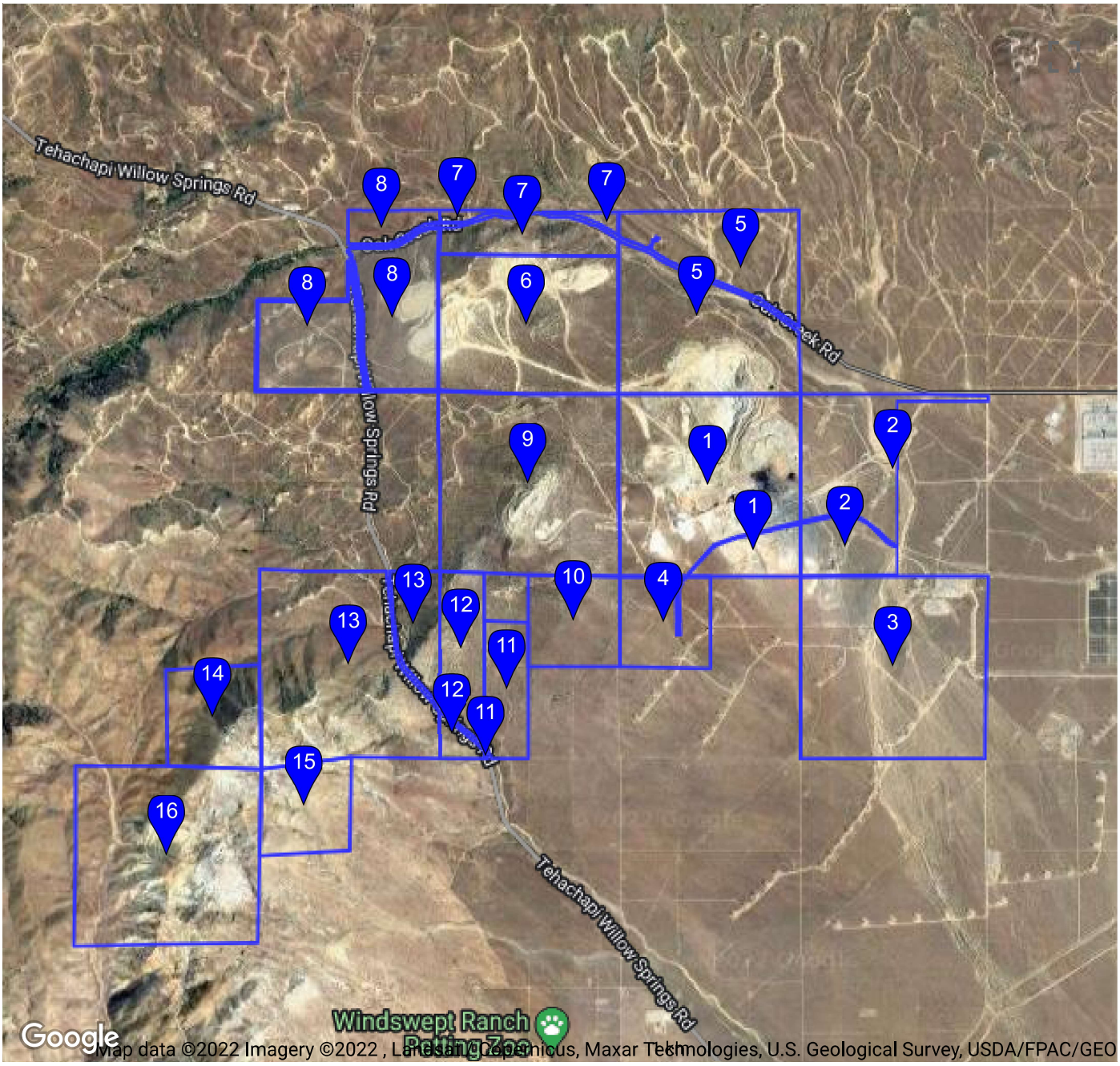

View along Tehachapi Willow Springs Road in the southwestern portions of the CPC property


View west from off site plant area. Site areas are lands west of the sphere


View northwest from off site plant area. Site areas are in distance to west (left)

APPENDIX 2

Supporting Documentation



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PARCELQUEST

LIST 0

DETAIL

	id	Co	APN	Owner	S Street Address	S City State Zip
☑	1	KER	237-073-01-00-1	CALIFORNIA PORTLAND CEMENT CO	9350 OAK CREEK RD	MOJAVE CA 93501-7738
☑	2	KER	237-032-01-00-2	CALIFORNIA PORTLAND CEMENT CO		
☑	3	KER	237-053-01-00-5	CALPORTLAND CO	13505 90TH STREET WEST	MOJAVE CA
☑	4	KER	237-091-17-00-0	CALIFORNIA PORTLAND CEMENT CO		
☑	5	KER	237-071-07-00-5	CALIFORNIA PORTLAND CEMENT CO		
☑	6	KER	237-071-04-00-6	CALIFORNIA PORTLAND CEMENT CO		
☑	7	KER	237-071-03-00-3	CALIFORNIA PORTLAND CEMENT CO		
☑	9	KER	237-073-02-00-4	CALIFORNIA PORTLAND CEMENT CO	14508 TEHACHAPI-WILLOW SPR RD	TEHACHAPI CA
☑	12	KER	237-091-02-00-6	CALIFORNIA PORTLAND CEMENT CO		
☑	13	KER	237-091-01-00-3	CALIFORNIA PORTLAND CEMENT CO		
☑	14	KER	237-101-06-01-9	CALIFORNIA PORTLAND CEMENT CO		
☑	8	KER	237-071-02-00-0	CALIFORNIA PORTLAND CEMENT CO		
☑	10	KER	237-091-05-00-5	CALIFORNIA PORTLAND CEMENT CO		
☑	11	KER	237-091-04-00-2	CALIFORNIA PORTLAND CEMENT CO		
☑	15	KER	237-093-01-01-6	CALIFORNIA PORTLAND CEMENT CO		
☑	16	KER	237-102-01-00-2	CALIFORNIA PORTLAND CEMENT CO		

Historical Aerial Photo Report | 2022

Order Number: 72512
Report Generated: 05/26/2022

Project Name:
Project Number:

Mojave
9350 Oak Creek Rd
Mojave, CA, 93501

---

2 Corporate Dr
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

Historical Aerial Photo Report 2022

Envirosite's Historical Aerial Photo Report is designed to assist in evaluating a subject property resulting from past activities. Envirosite's Historical Aerial Photo Report includes a search of available historical aerial photographs, dating back to the 1930s, or earliest available photographs.

ENVIROSITE SEARCHED SOURCES

SUBJECT PROPERTY:

Mojave
9350 Oak Creek Rd
Mojave, CA, 93501

YEAR:	***SCALE:***	***SOURCE:***
1956	1" = 1,500'	U.S.G.S
1963	1" = 1,500'	U.S.G.S
1967	1" = 1,500'	U.S.G.S
1971	1" = 1,500'	U.S.G.S
1977	1" = 1,500'	U.S.G.S
1978	1" = 1,500'	U.S.G.S
1983	1" = 1,500'	NHAP
1986	1" = 1,500'	NHAP
1988	1" = 1,500'	U.S.G.S
1990	1" = 1,500'	U.S.D.A
1992	1" = 1,500'	U.S.G.S
1994	1" = 1,500'	NAPP
1995	1" = 1,500'	DOQ
2002	1" = 1,500'	U.S.D.A
2005	1" = 1,500'	NAIP
2009	1" = 1,500'	NAIP
2010	1" = 1,500'	NAIP
2012	1" = 1,500'	NAIP
2014	1" = 1,500'	NAIP
2016	1" = 1,500'	NAIP
2018	1" = 1,500'	NAIP
2020	1" = 1,500'	NAIP

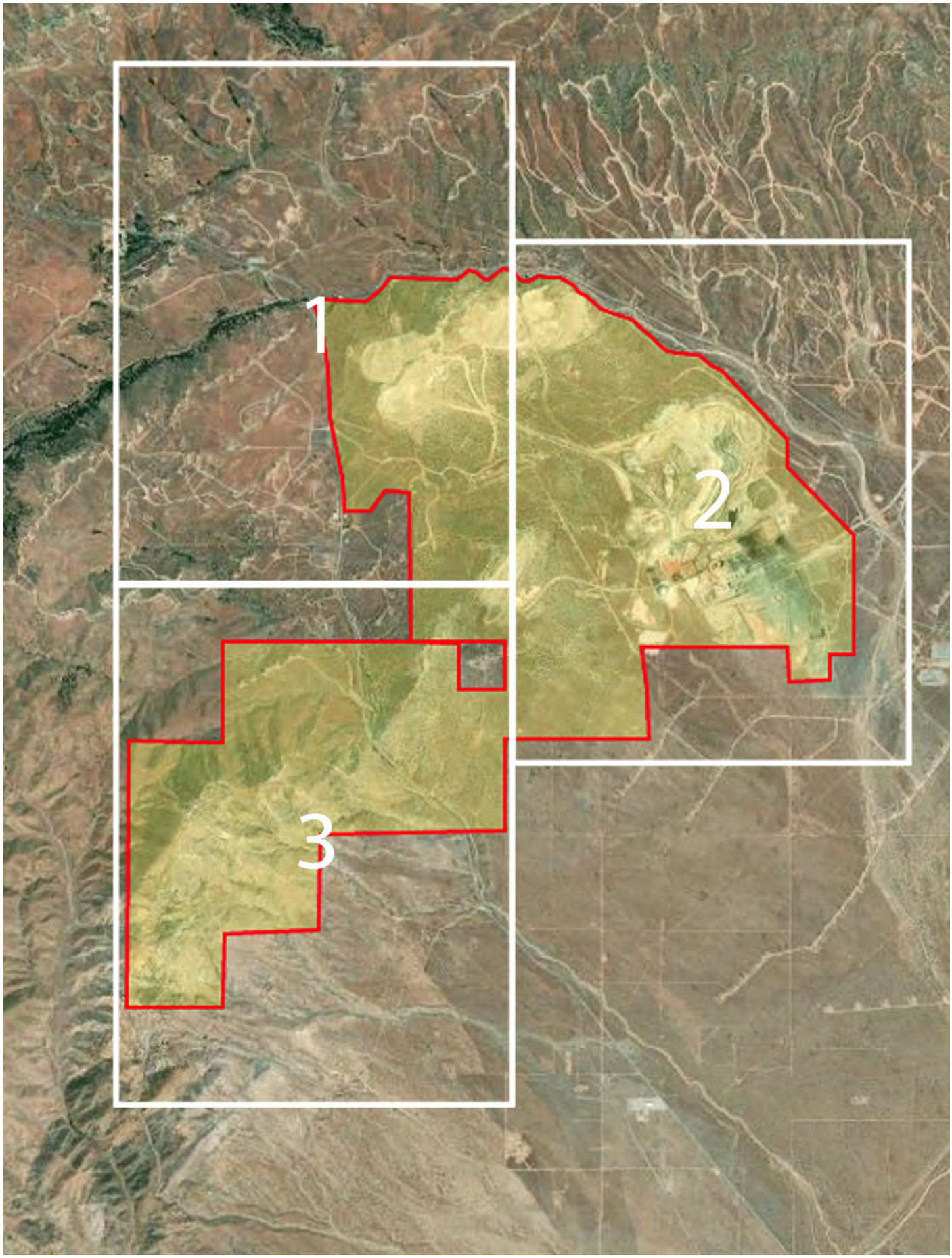
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Historical Aerial Photo Grid

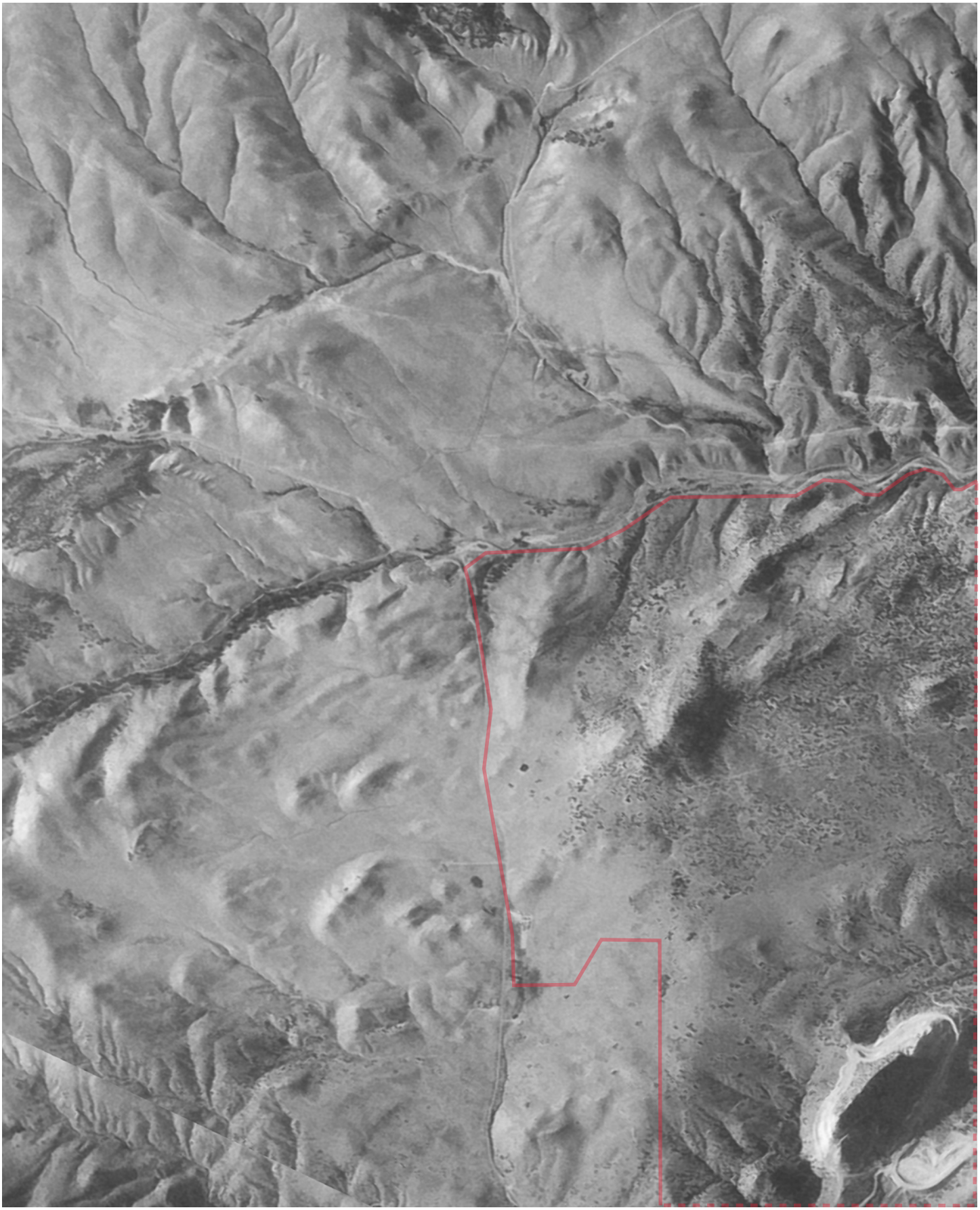


FLIGHT YEAR:
1956

Photo 1

N
W E
S

Scale: 1" = 1,500'

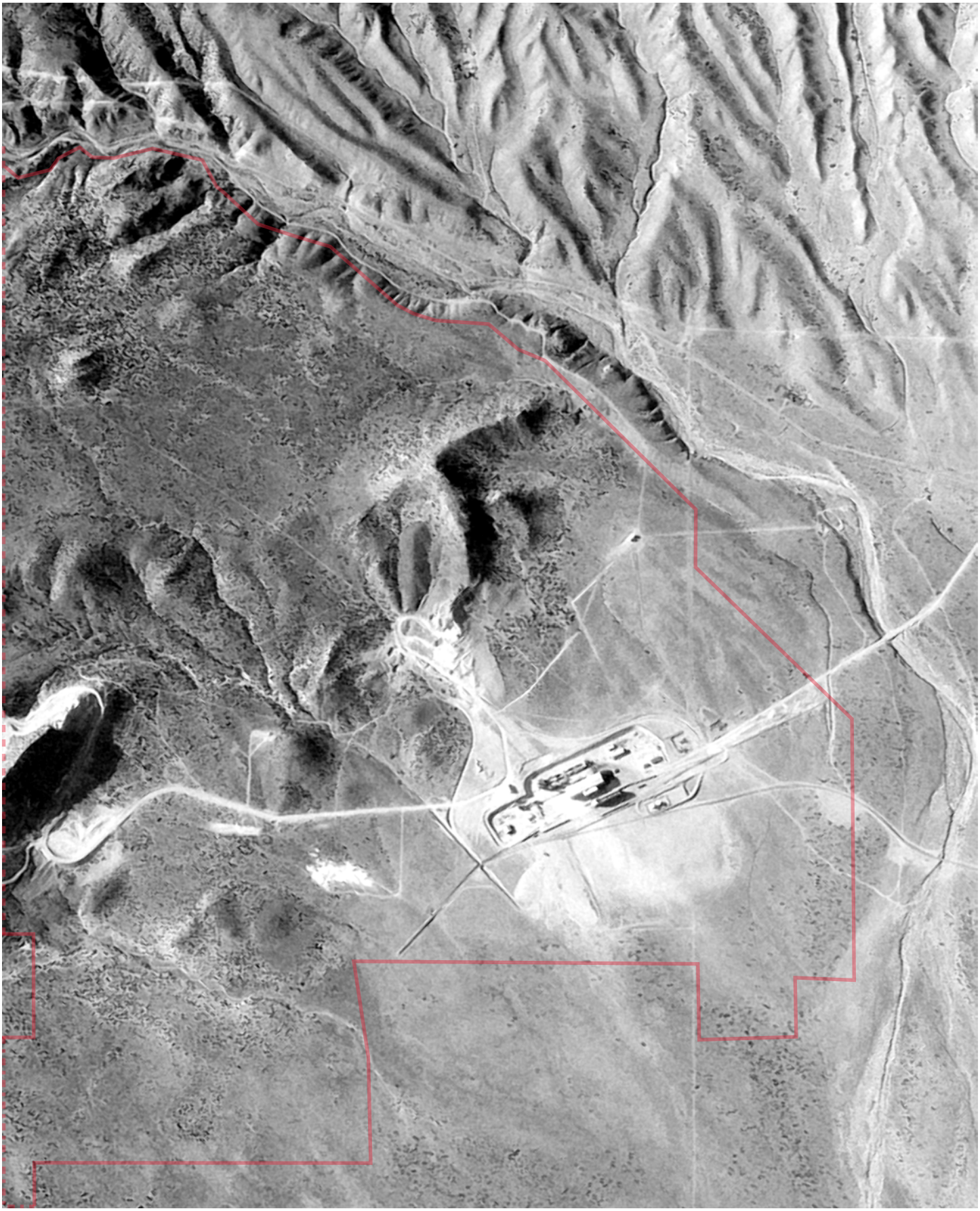


FLIGHT YEAR:
1956

Photo 2

N
W E
S

Scale: 1" = 1,500'

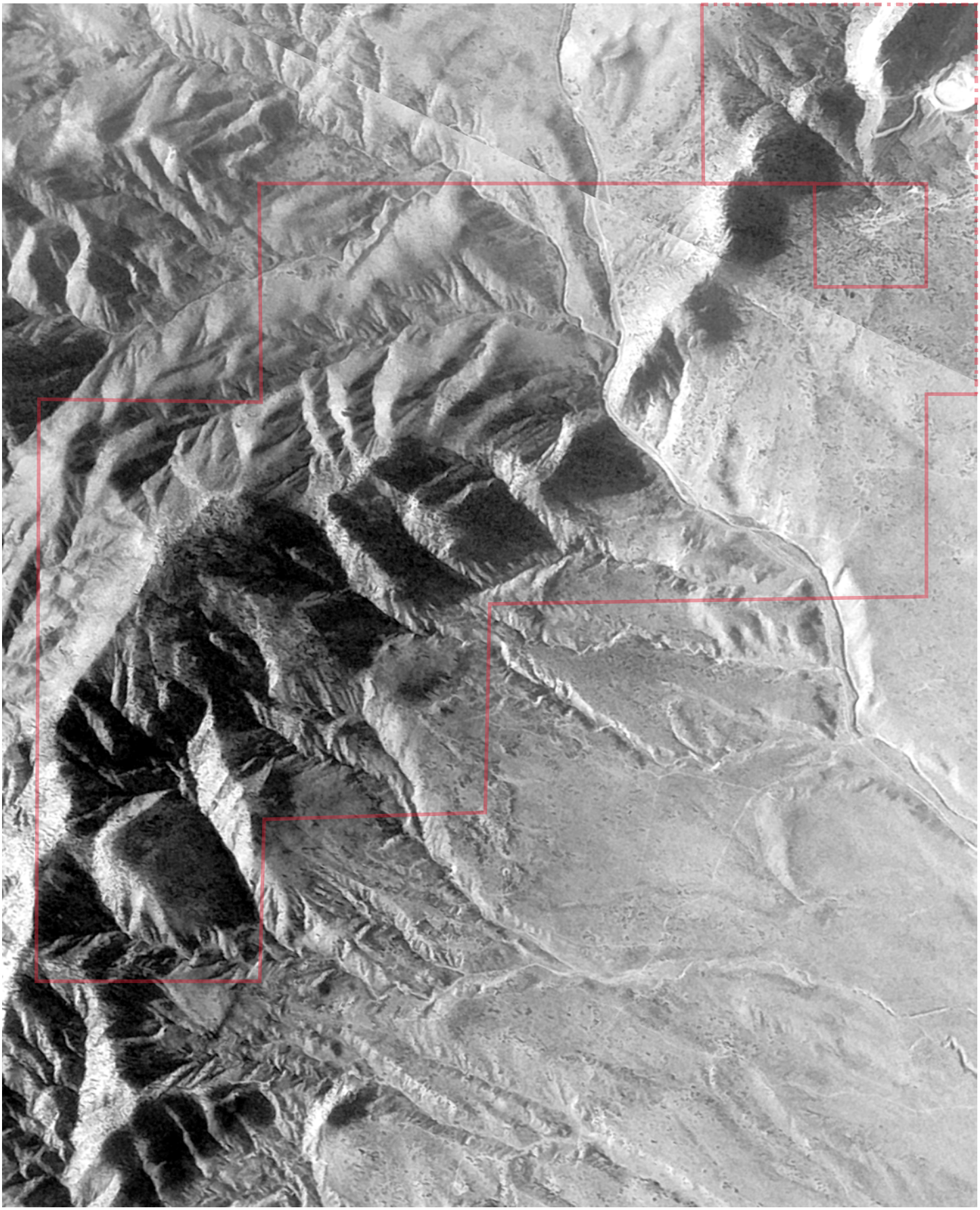


FLIGHT YEAR:
1956

Photo 3

N
W E
S

Scale: 1" = 1,500'

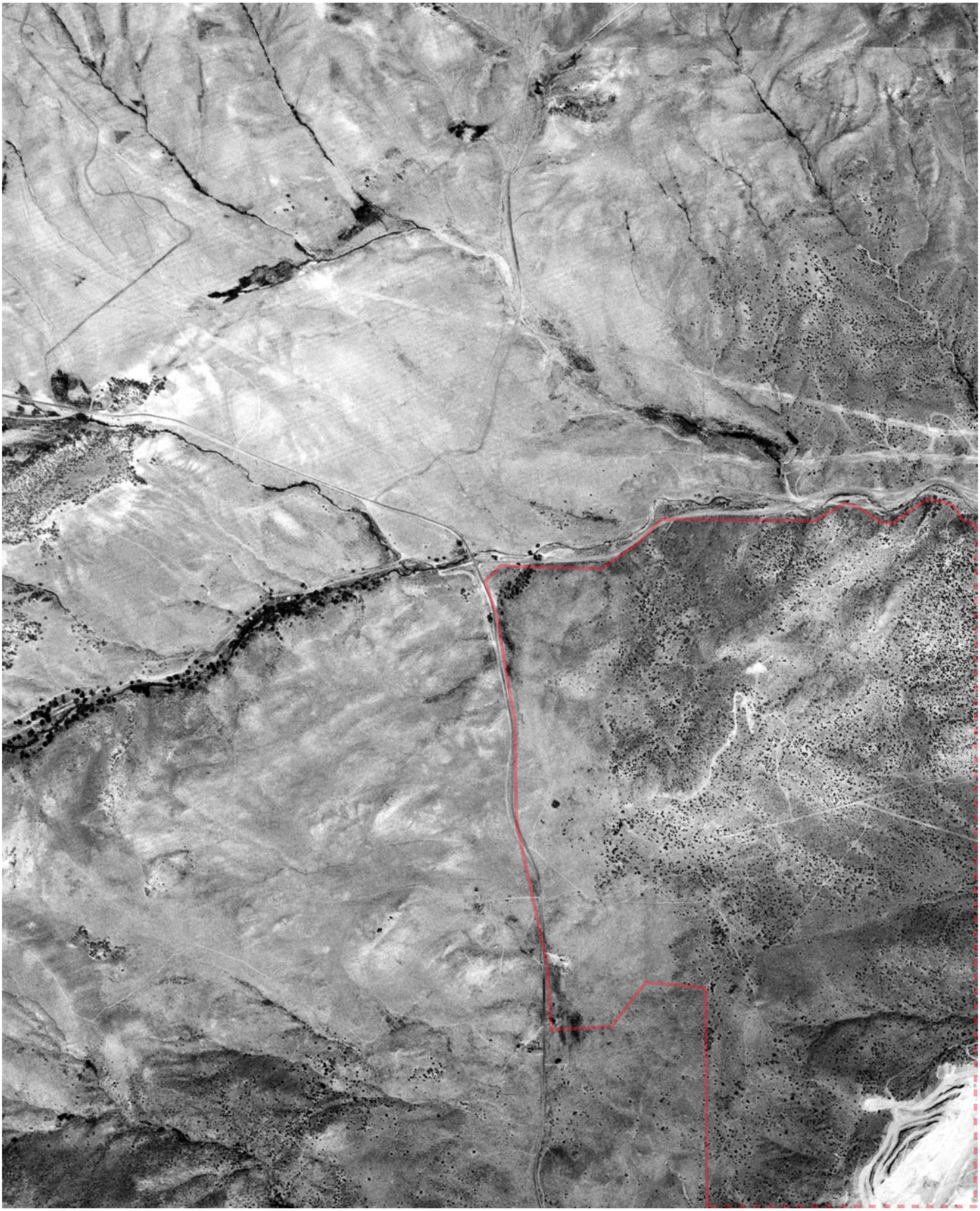


FLIGHT YEAR:
1963

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1963

Photo 2

N
W E
S

Scale: 1" = 1,500'

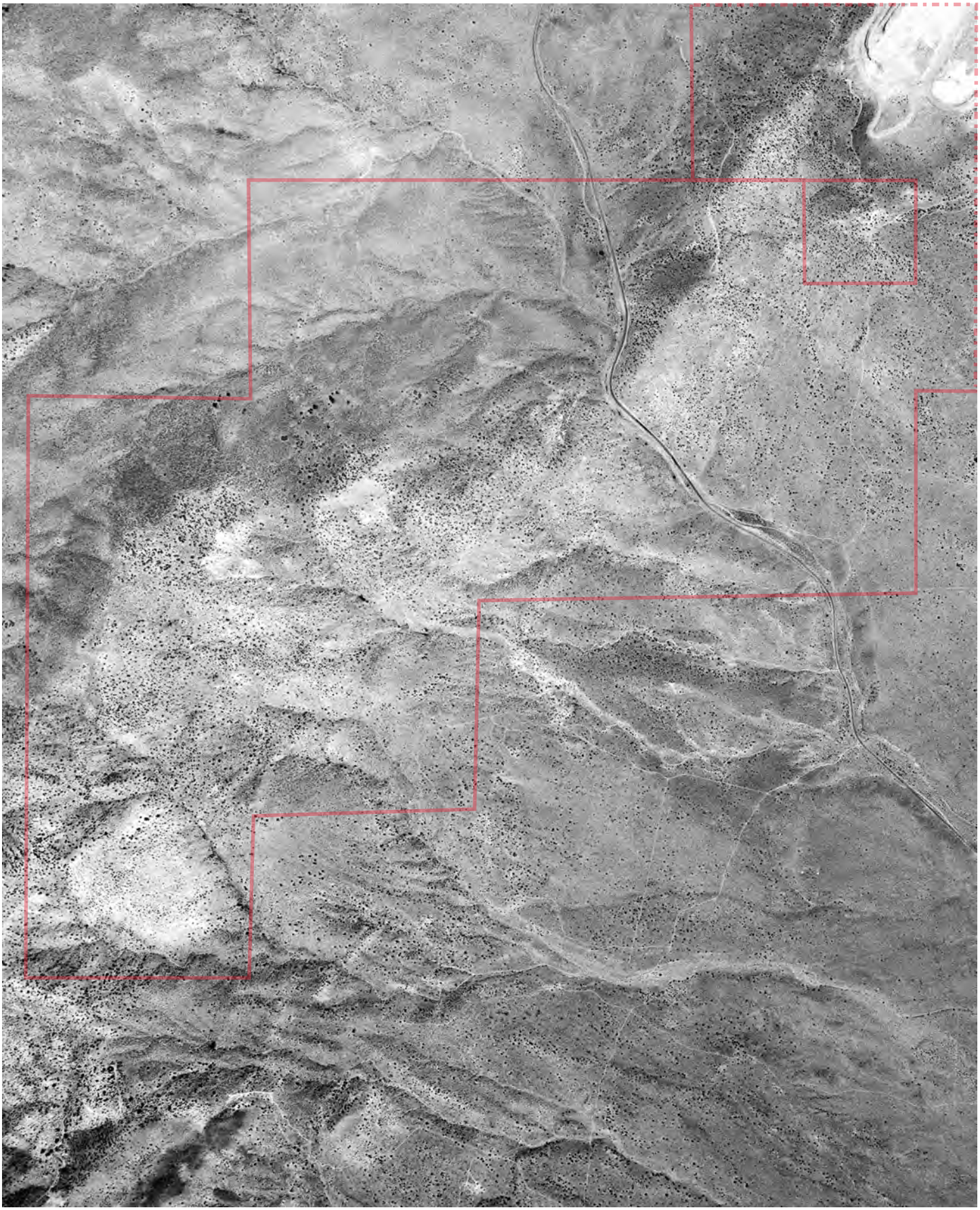


FLIGHT YEAR:
1963

Photo 3

N
W E
S

Scale: 1" = 1,500'

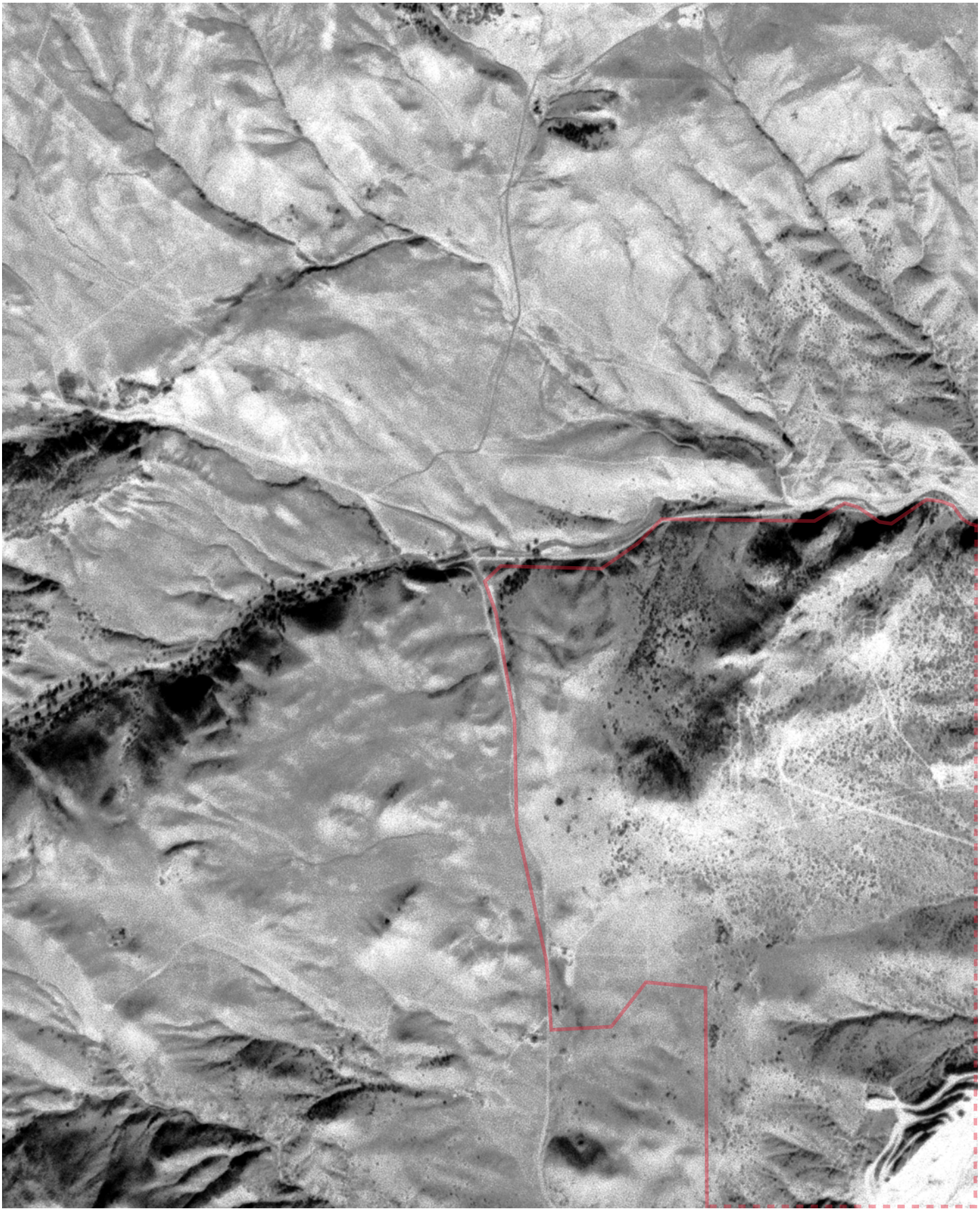


FLIGHT YEAR:
1967

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1967

Photo 2

N
W E
S

Scale: 1" = 1,500'

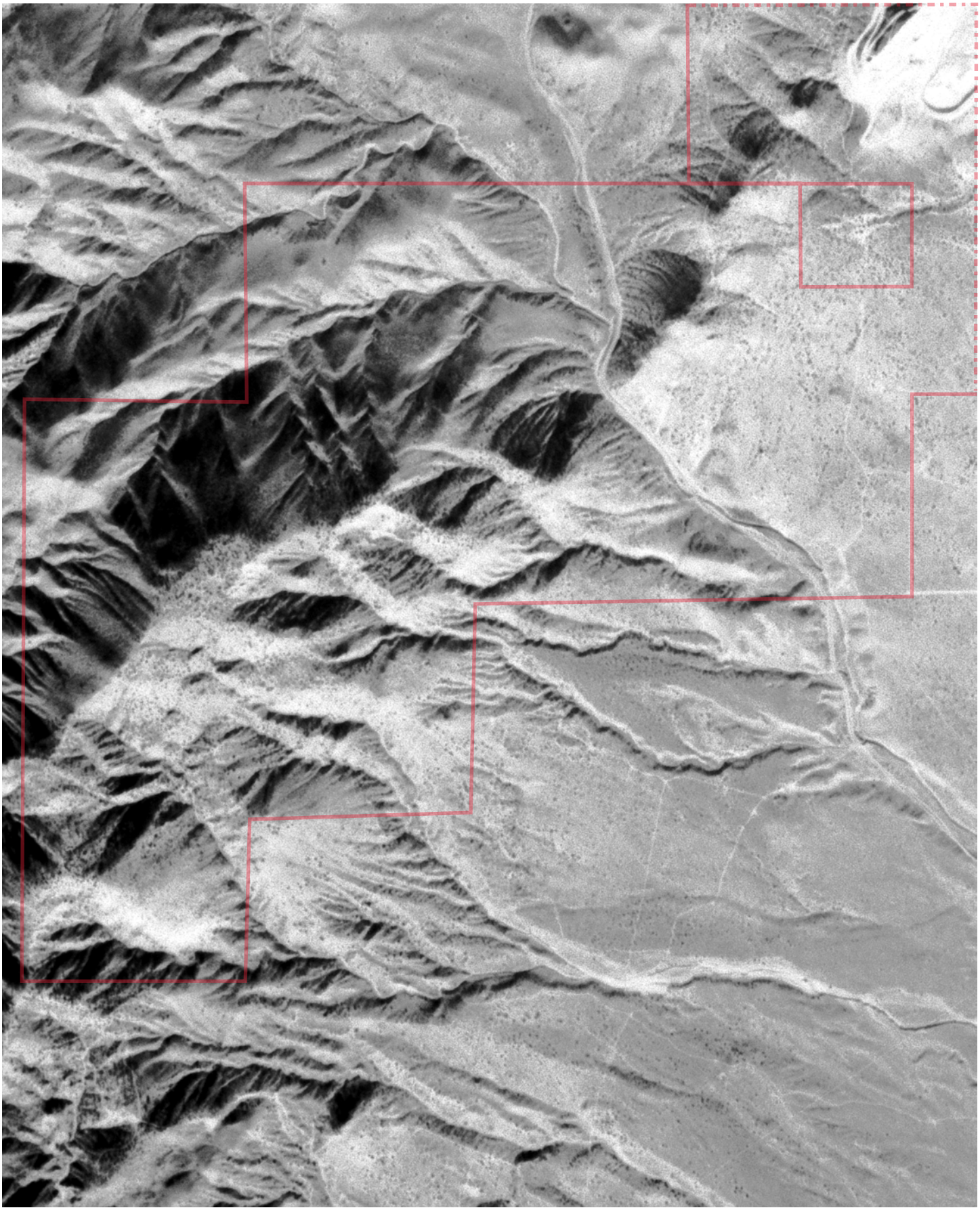


FLIGHT YEAR:
1967

Photo 3

N
W E
S

Scale: 1" = 1,500'

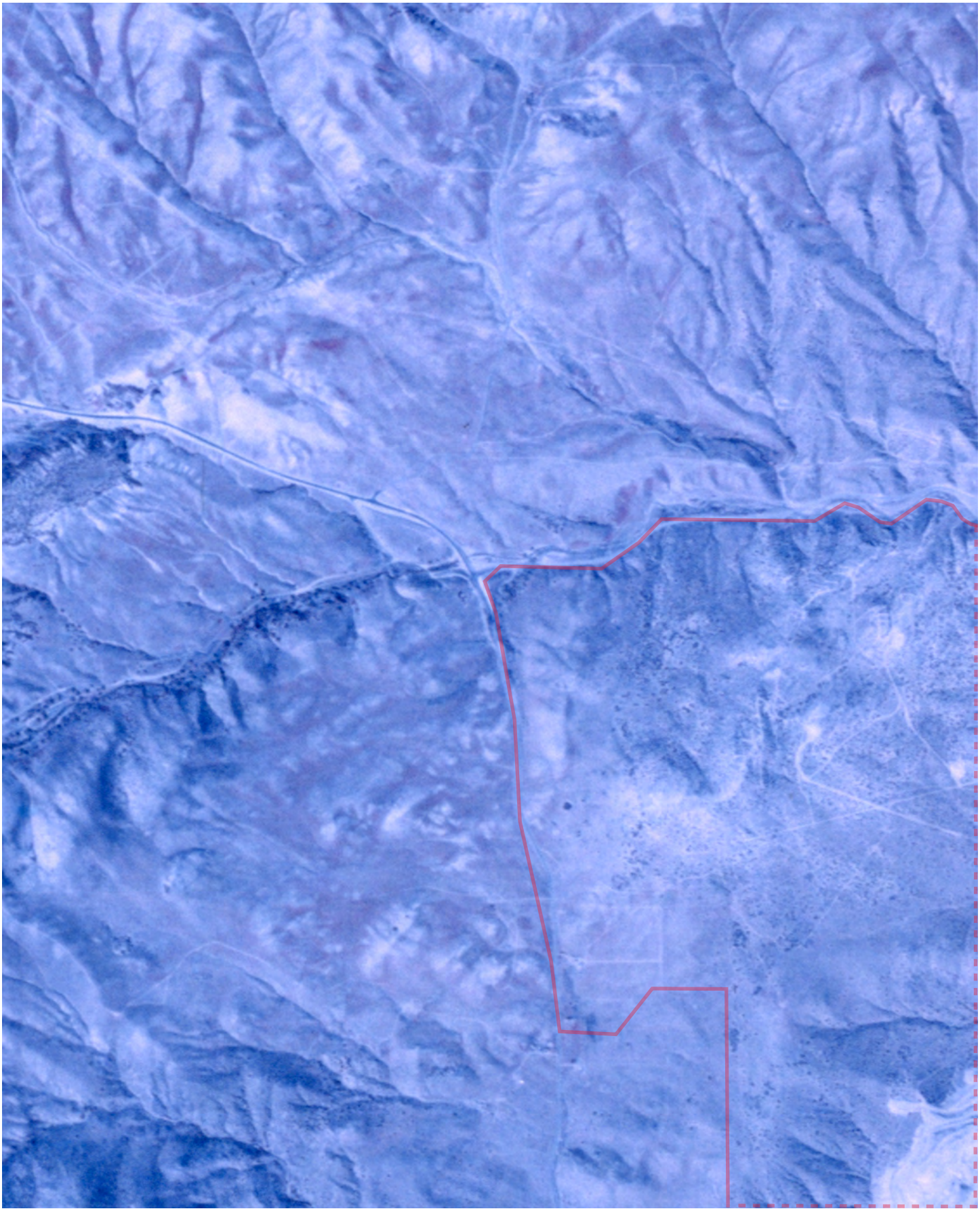


FLIGHT YEAR:
1971

Photo 1

N
W E
S

Scale: 1" = 1,500'

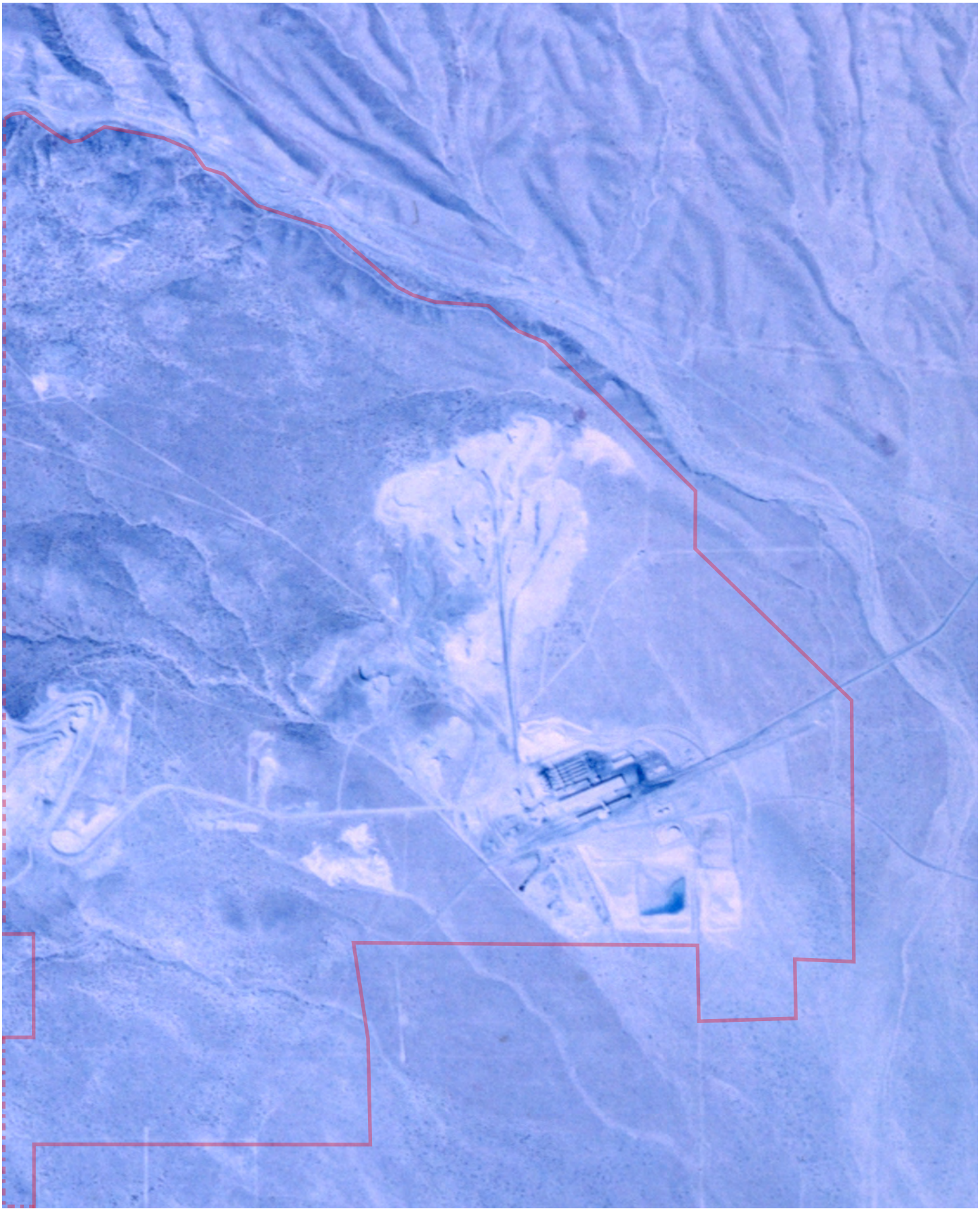


FLIGHT YEAR:
1971

Photo 2

N
W E
S

Scale: 1" = 1,500'

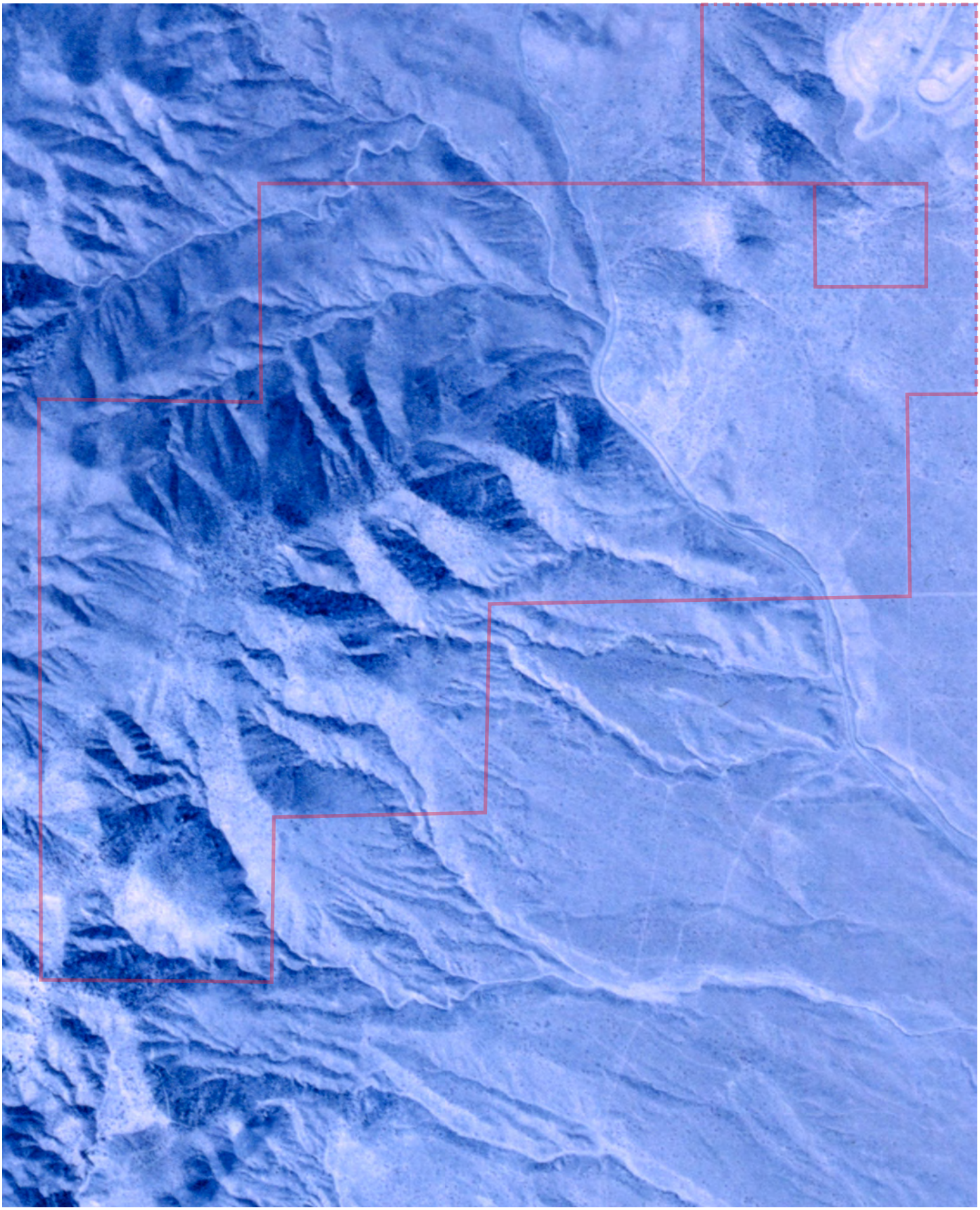


FLIGHT YEAR:
1971

Photo 3

N
W E
S

Scale: 1" = 1,500'

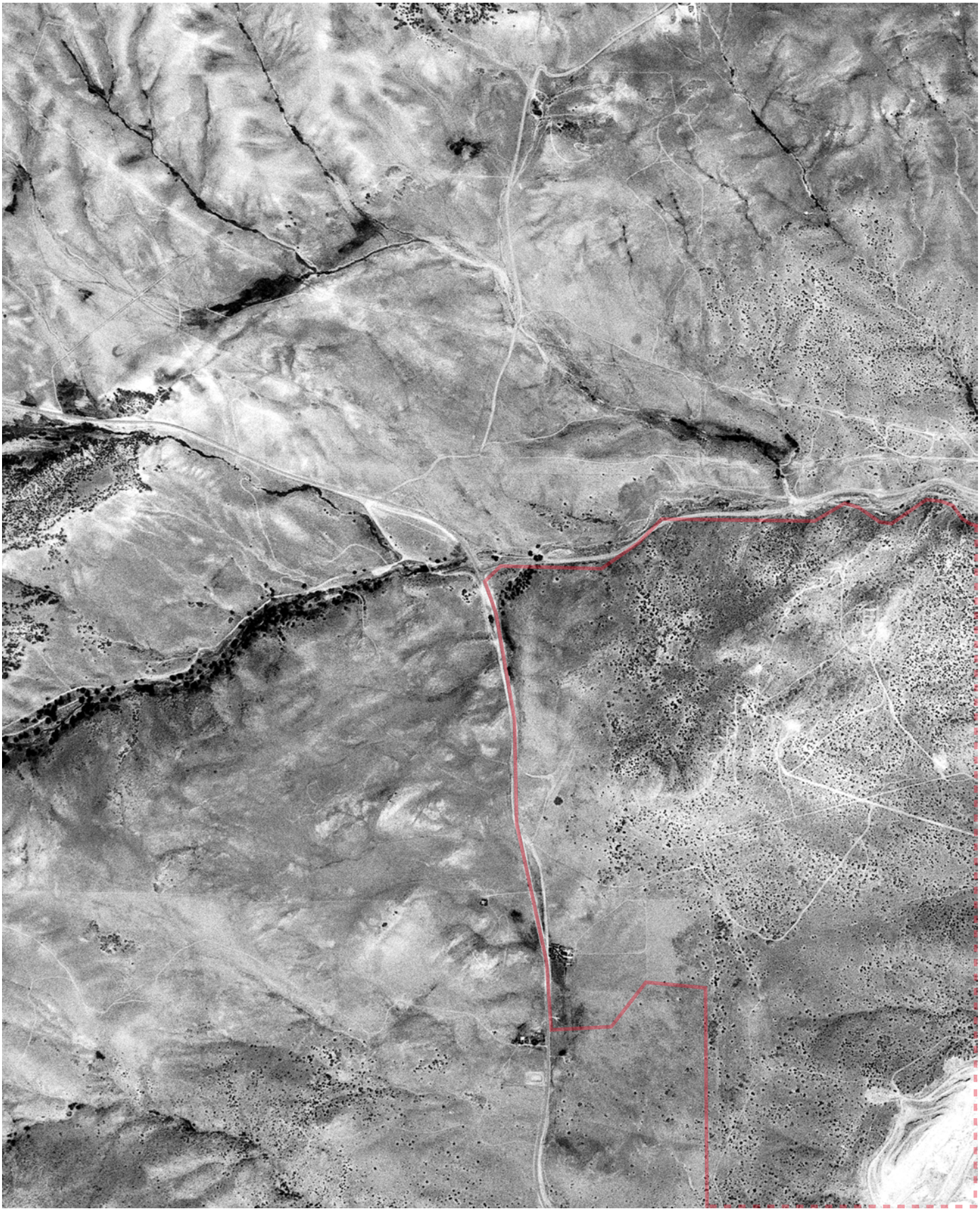


FLIGHT YEAR:
1977

Photo 1

N
W E
S

Scale: 1" = 1,500'

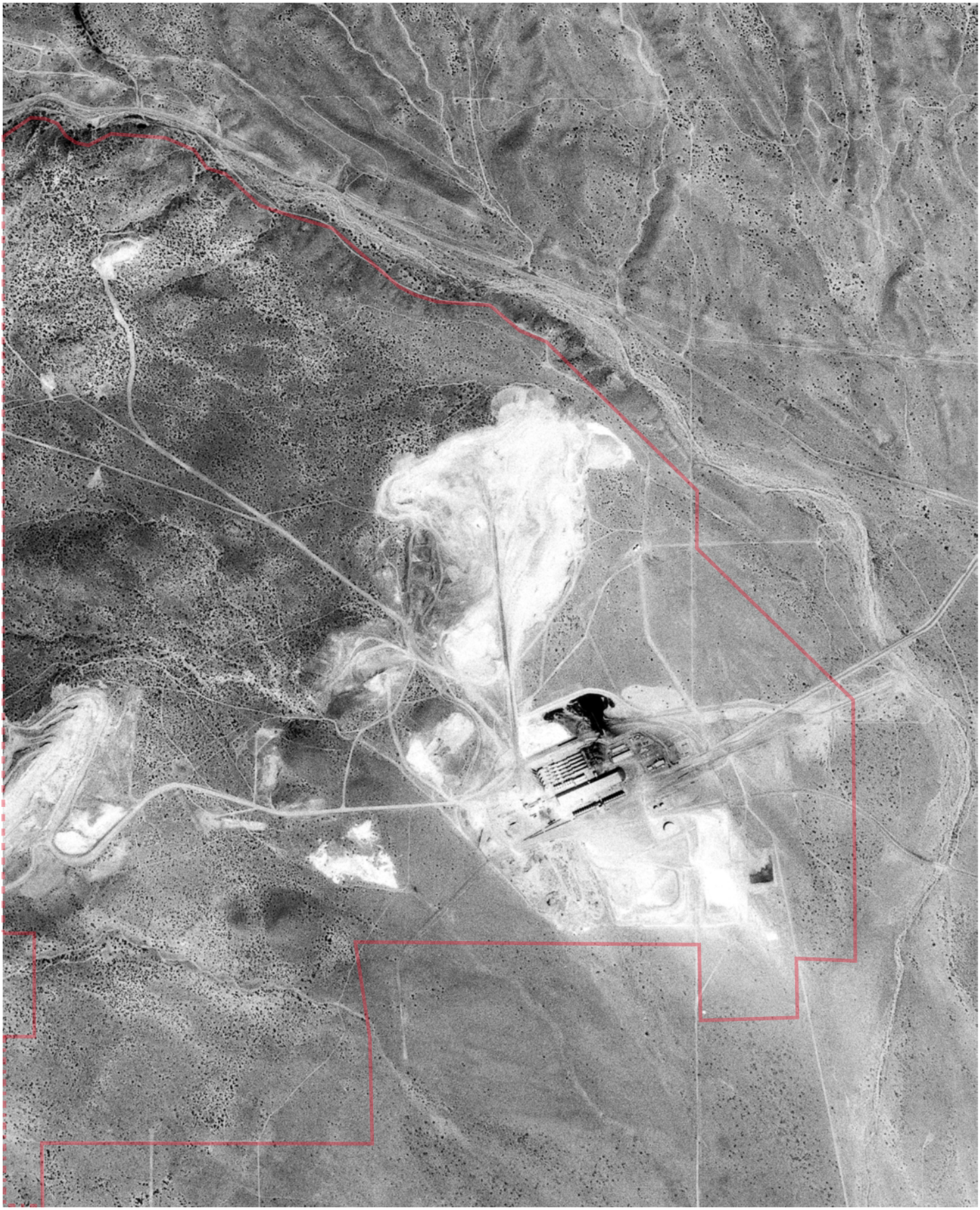


FLIGHT YEAR:
1977

Photo 2

N
W E
S

Scale: 1" = 1,500'

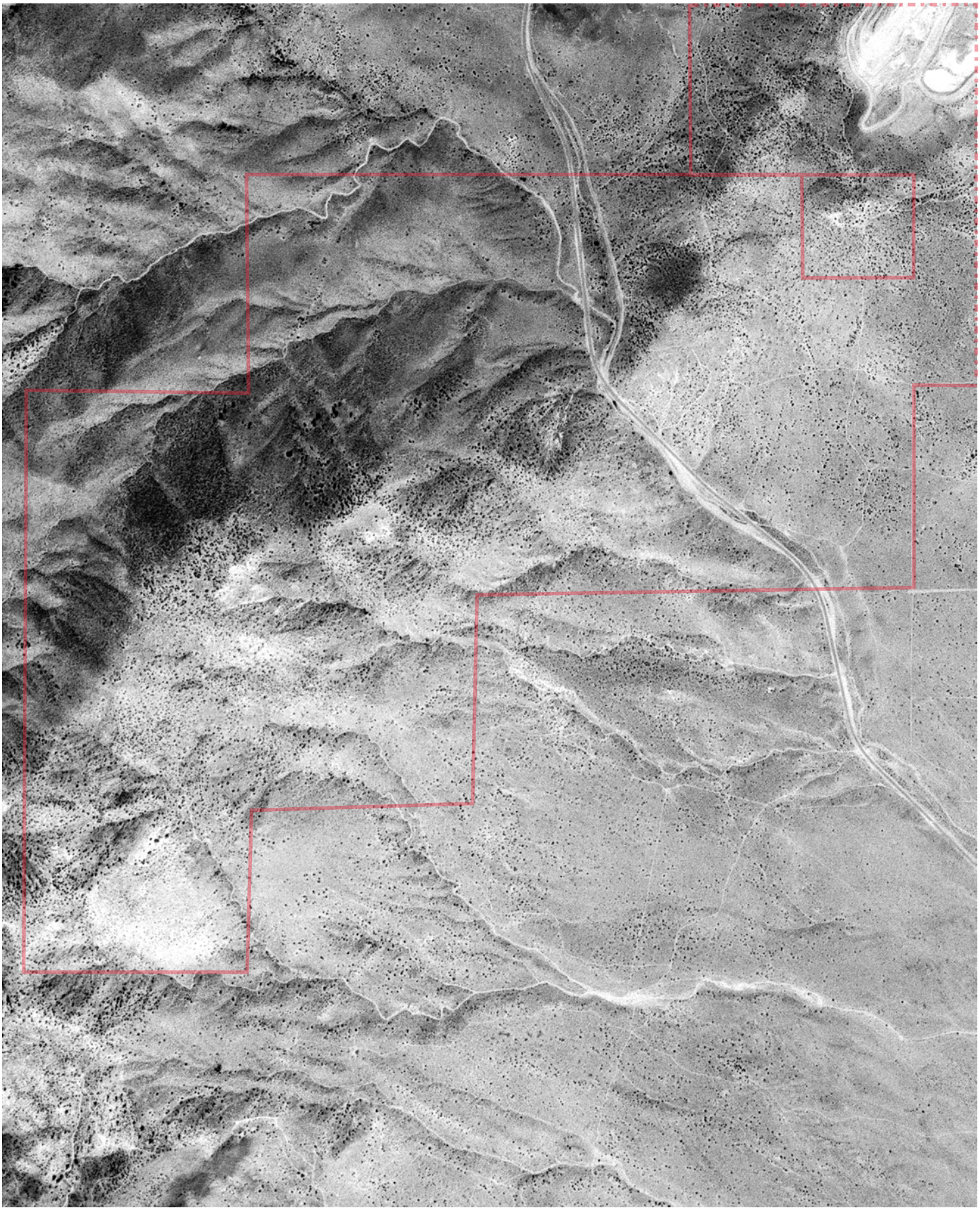


FLIGHT YEAR:
1977

Photo 3

N
W E
S

Scale: 1" = 1,500'

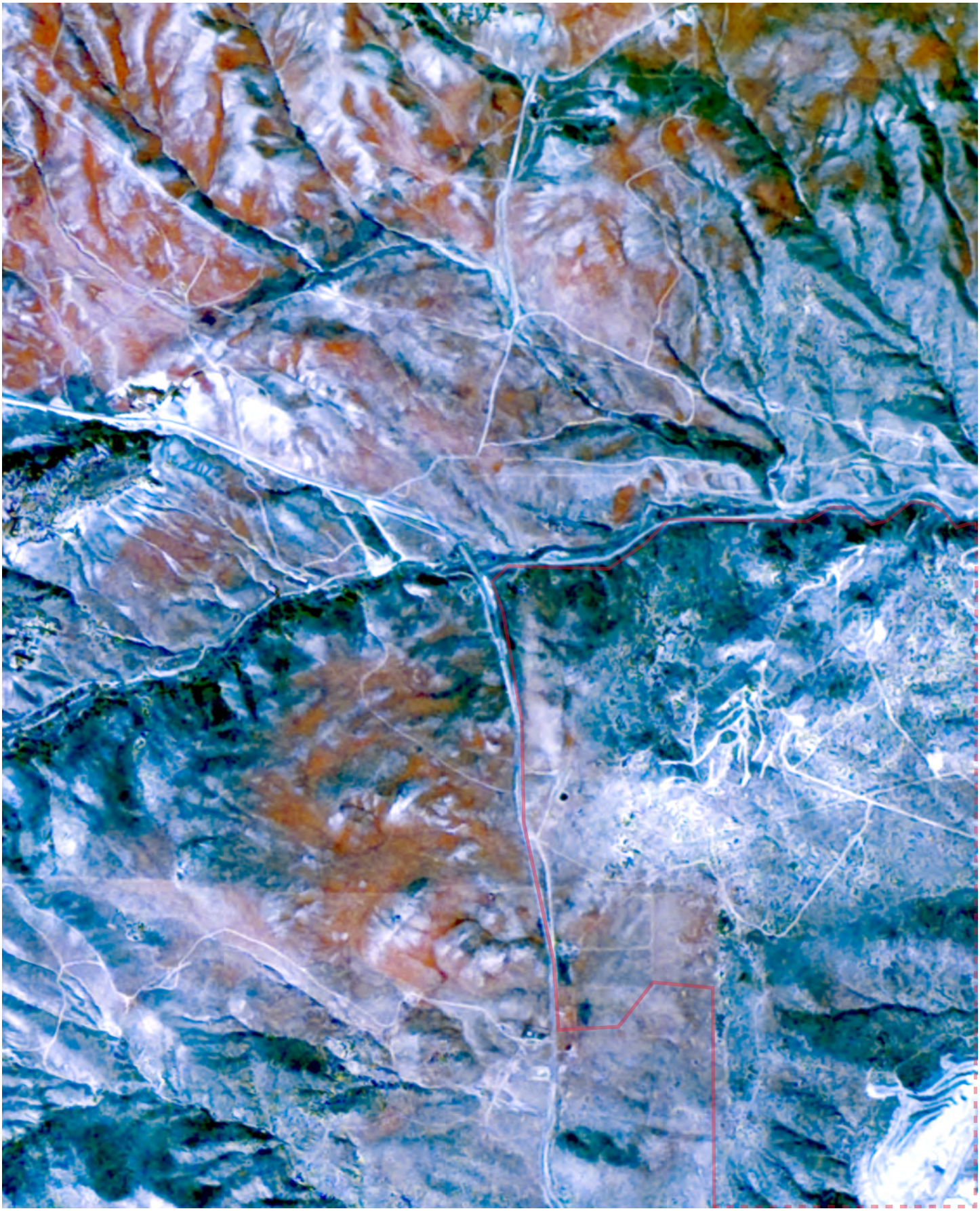


FLIGHT YEAR:
1978

Photo 1

N
W E
S

Scale: 1" = 1,500'

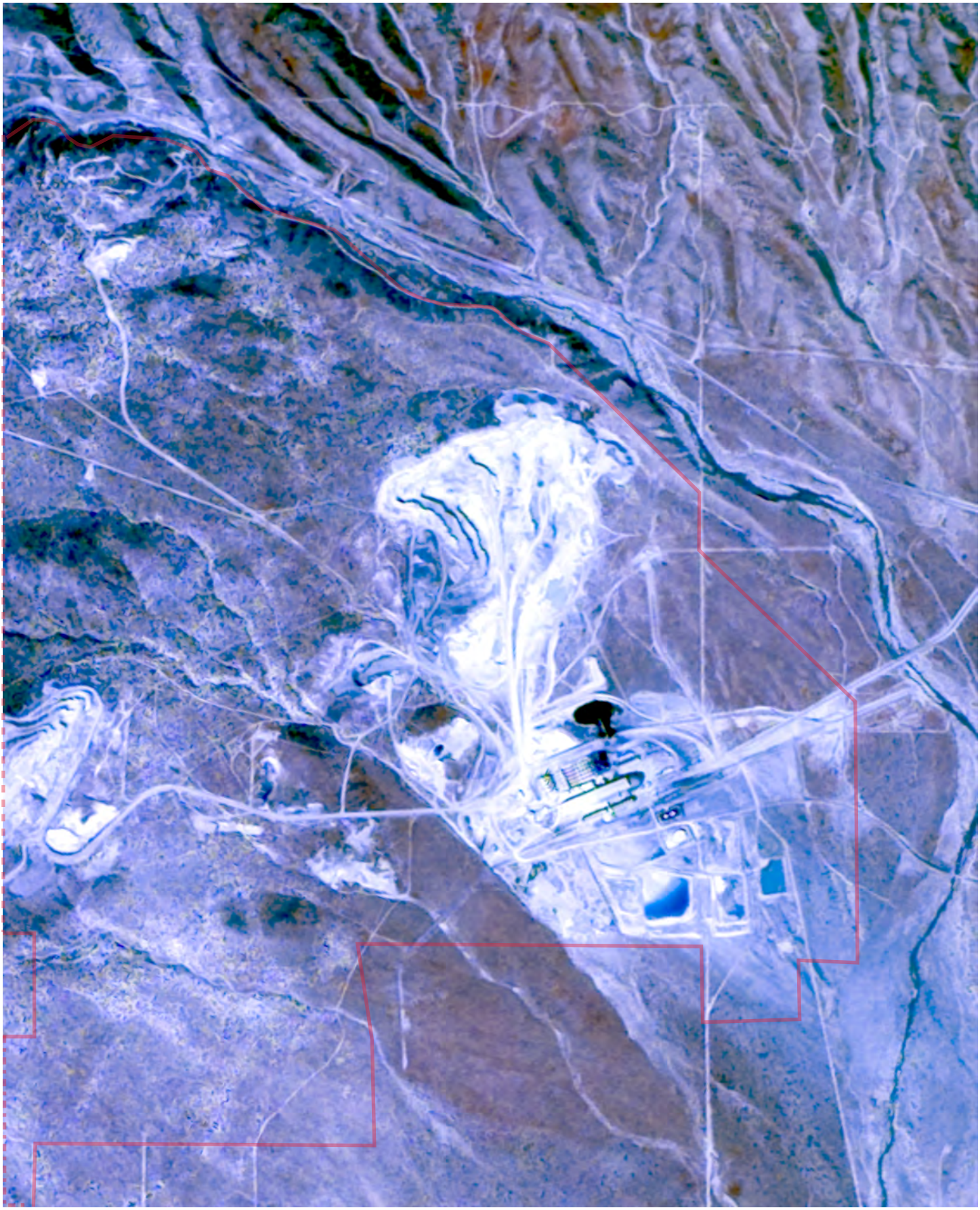


FLIGHT YEAR:
1978

Photo 2

N
W E
S

Scale: 1" = 1,500'

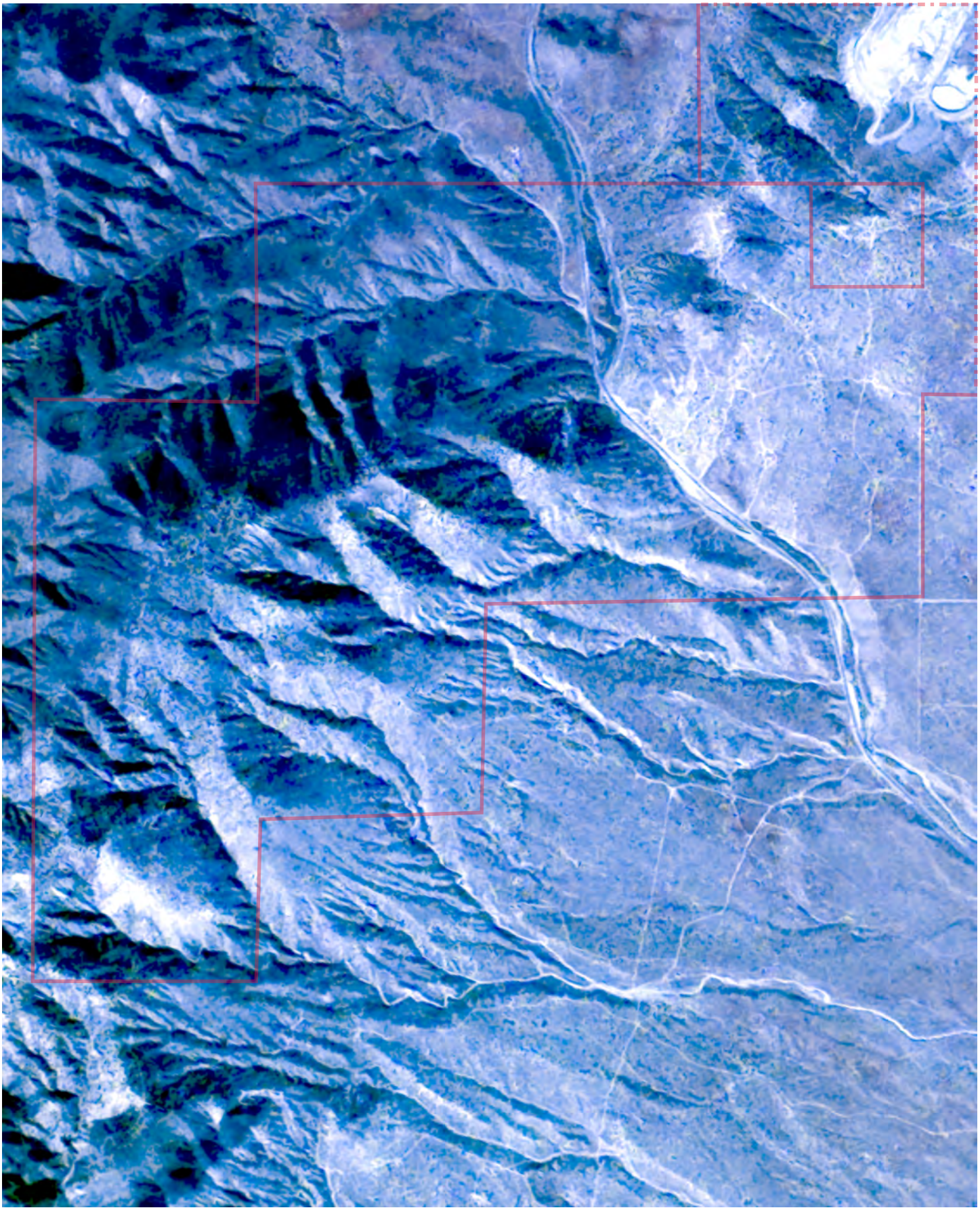


FLIGHT YEAR:
1978

Photo 3

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1983

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1983

Photo 2

N
W E
S

Scale: 1" = 1,500'

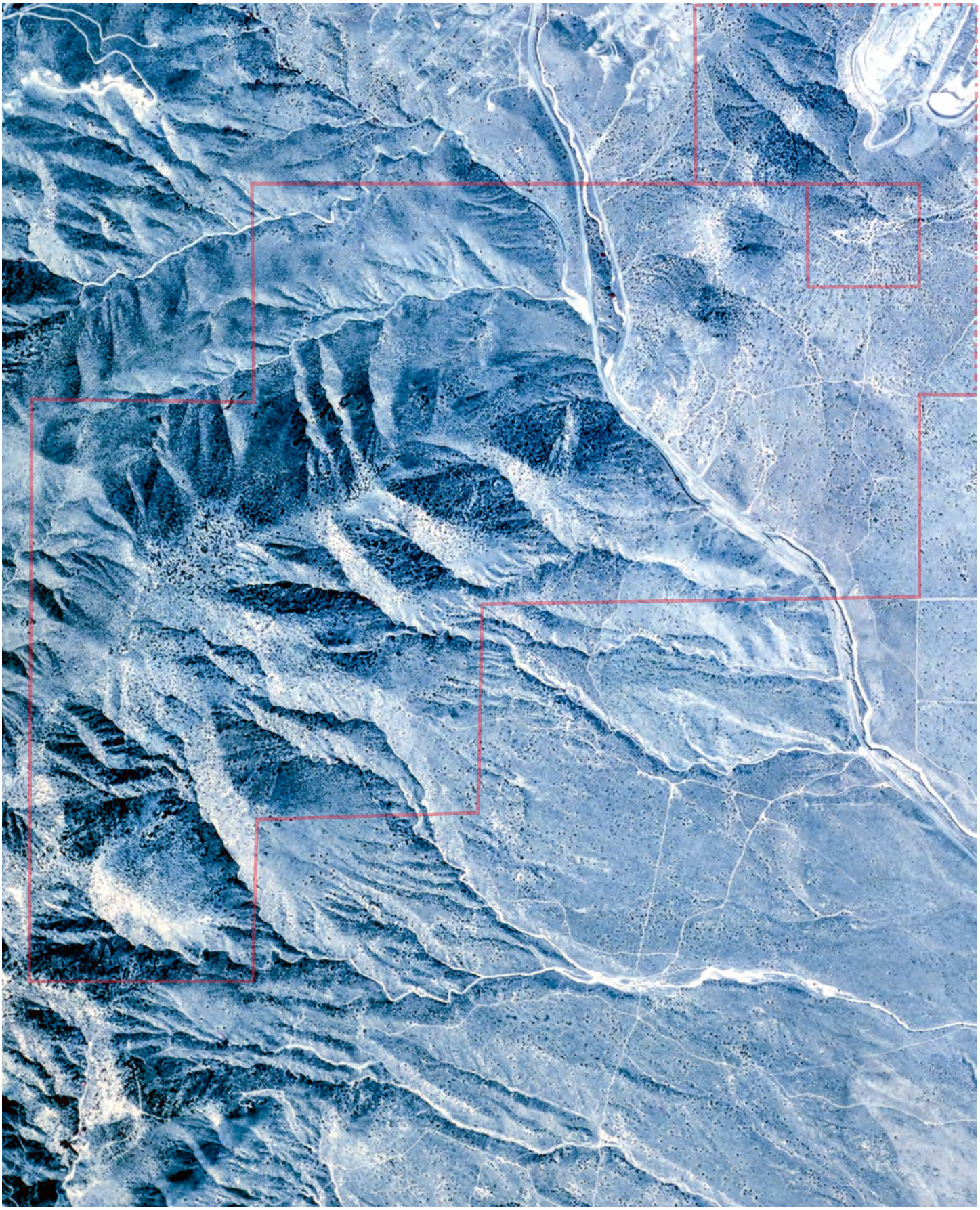


FLIGHT YEAR:
1983

Photo 3

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1986

Photo 1

N
W E
S

Scale: 1" = 1,500'

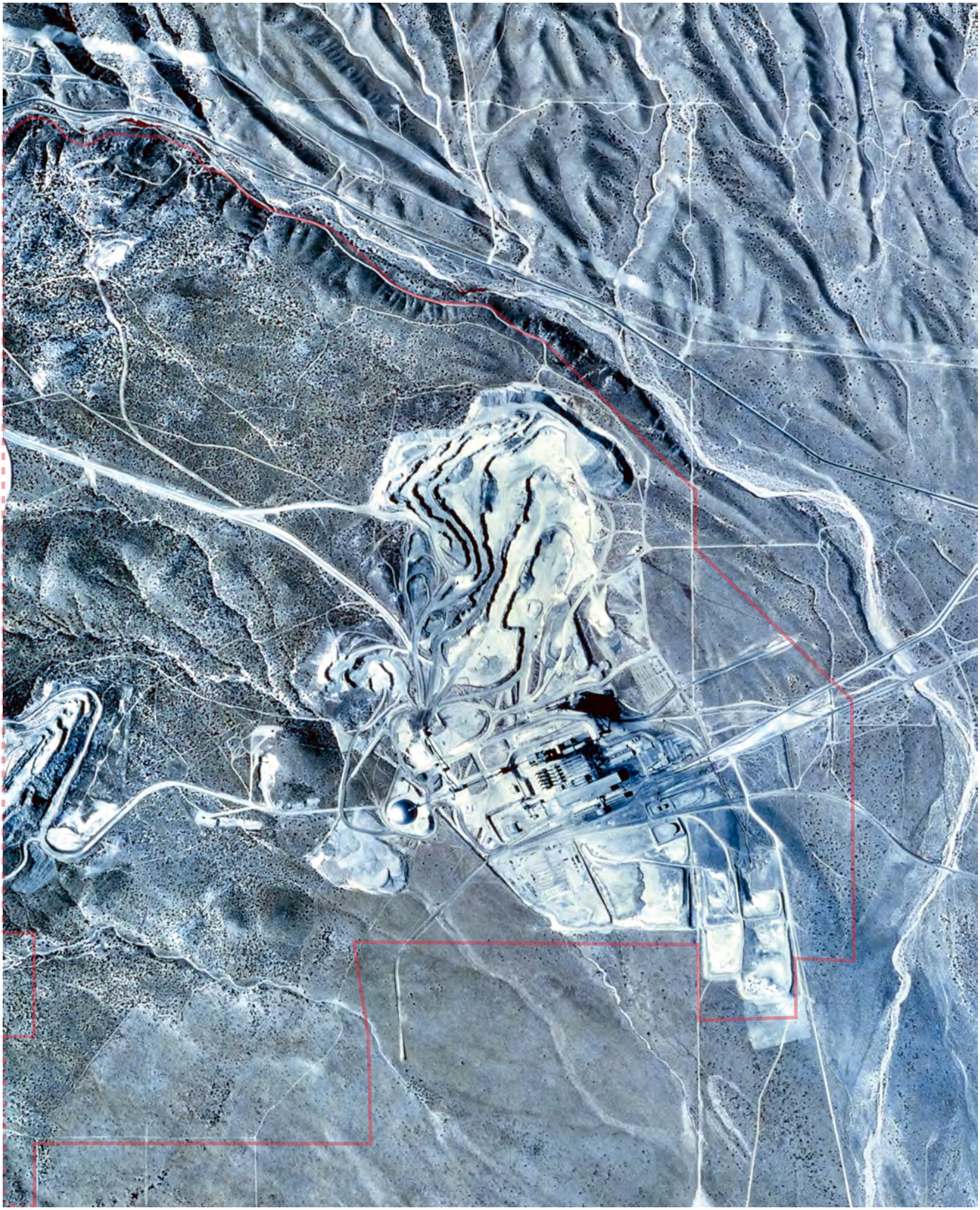


FLIGHT YEAR:
1986

Photo 2

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1986

Photo 3

N
W E
S

Scale: 1" = 1,500'

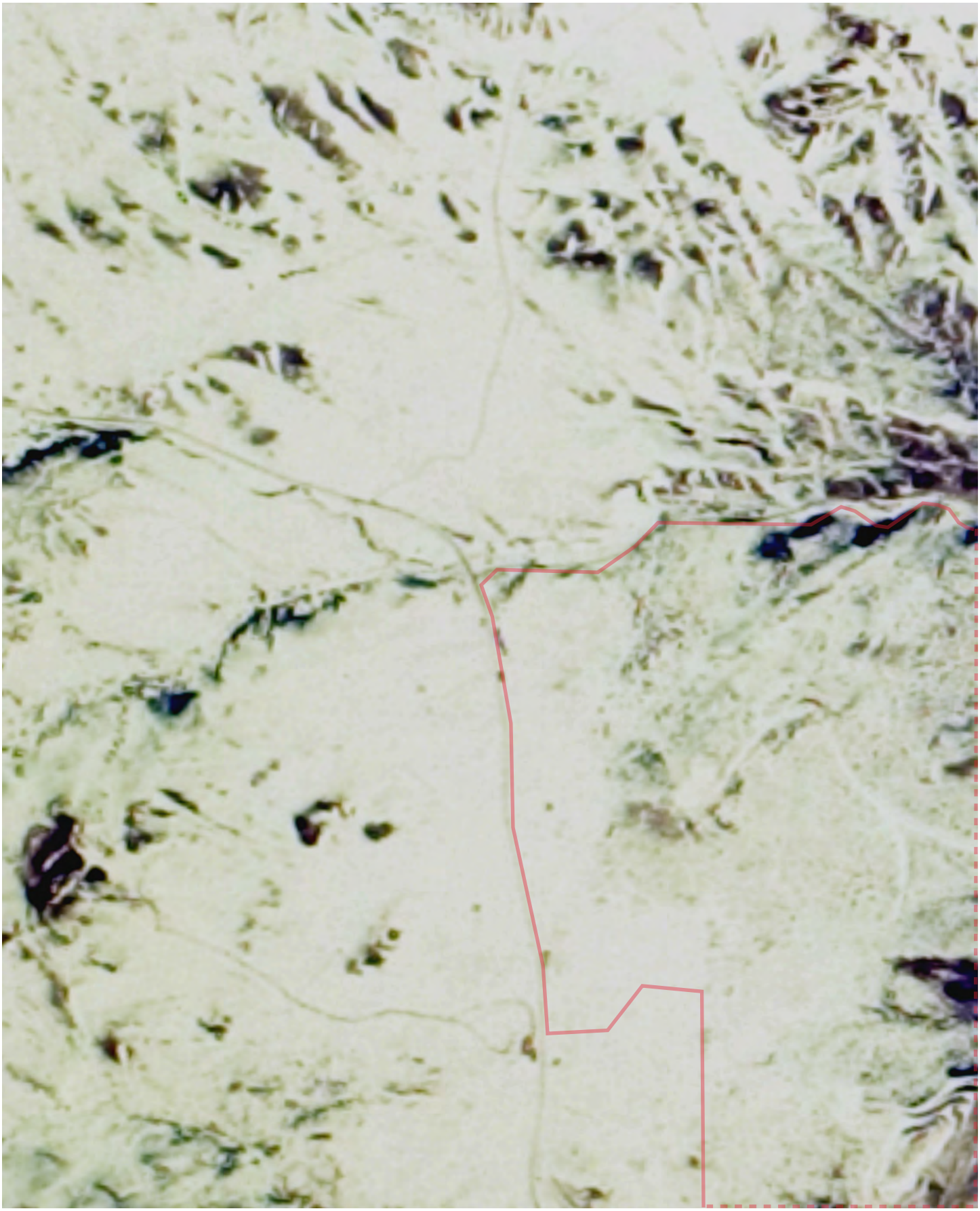


FLIGHT YEAR:
1988

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1988

Photo 2

N
W E
S

Scale: 1" = 1,500'

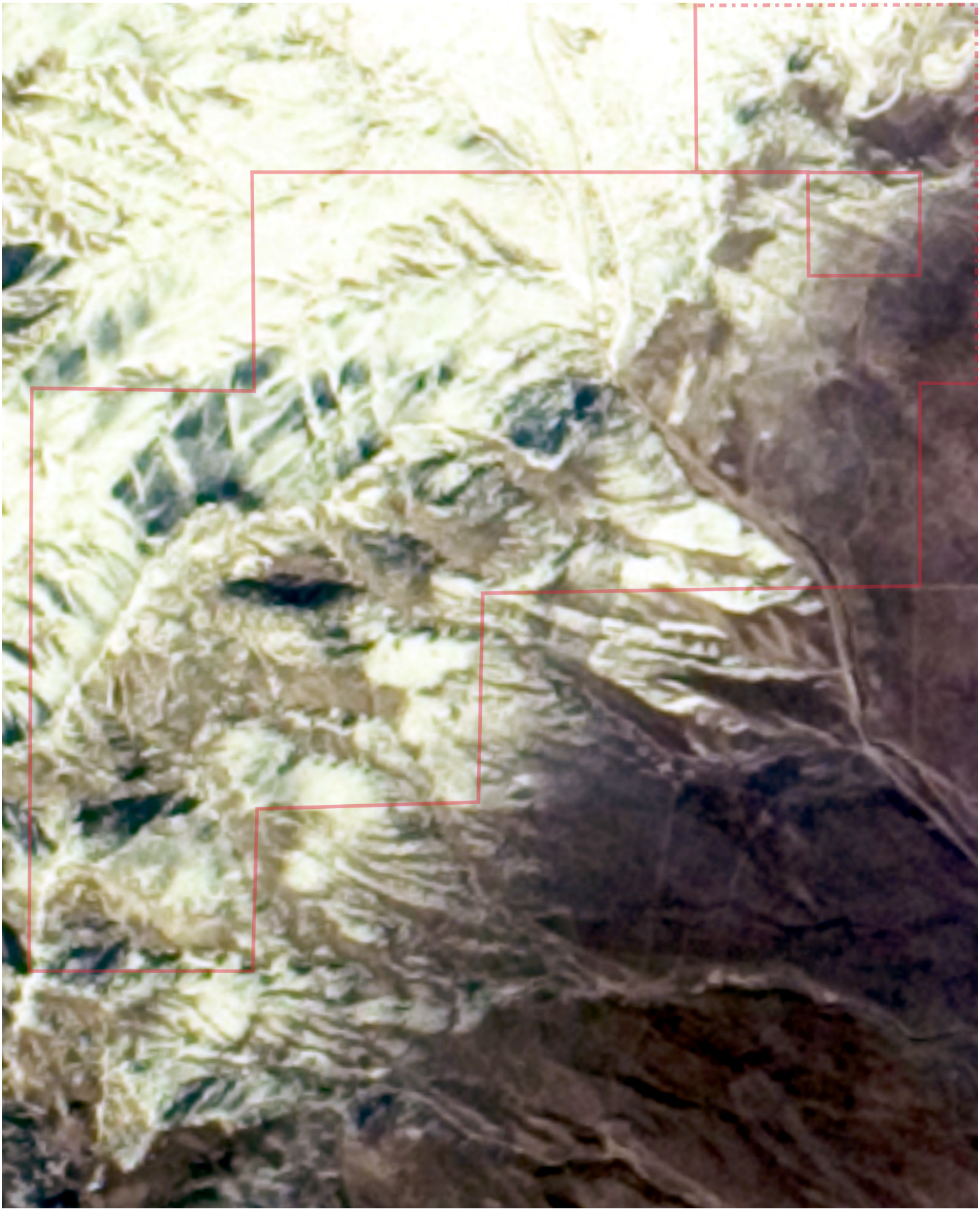


FLIGHT YEAR:
1988

Photo 3

N
W E
S

Scale: 1" = 1,500'

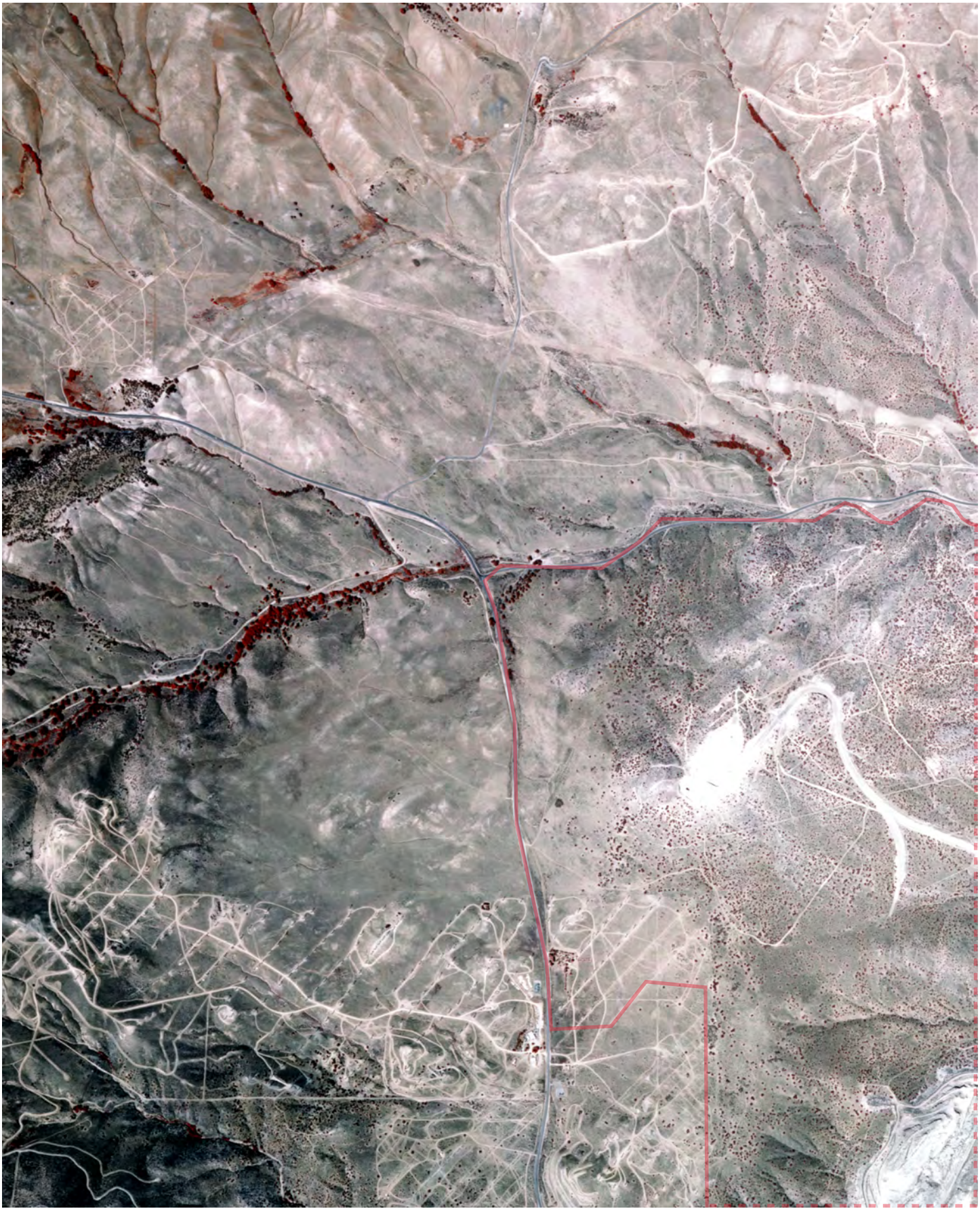


FLIGHT YEAR:
1990

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1990

Photo 2

N
W E
S

Scale: 1" = 1,500'

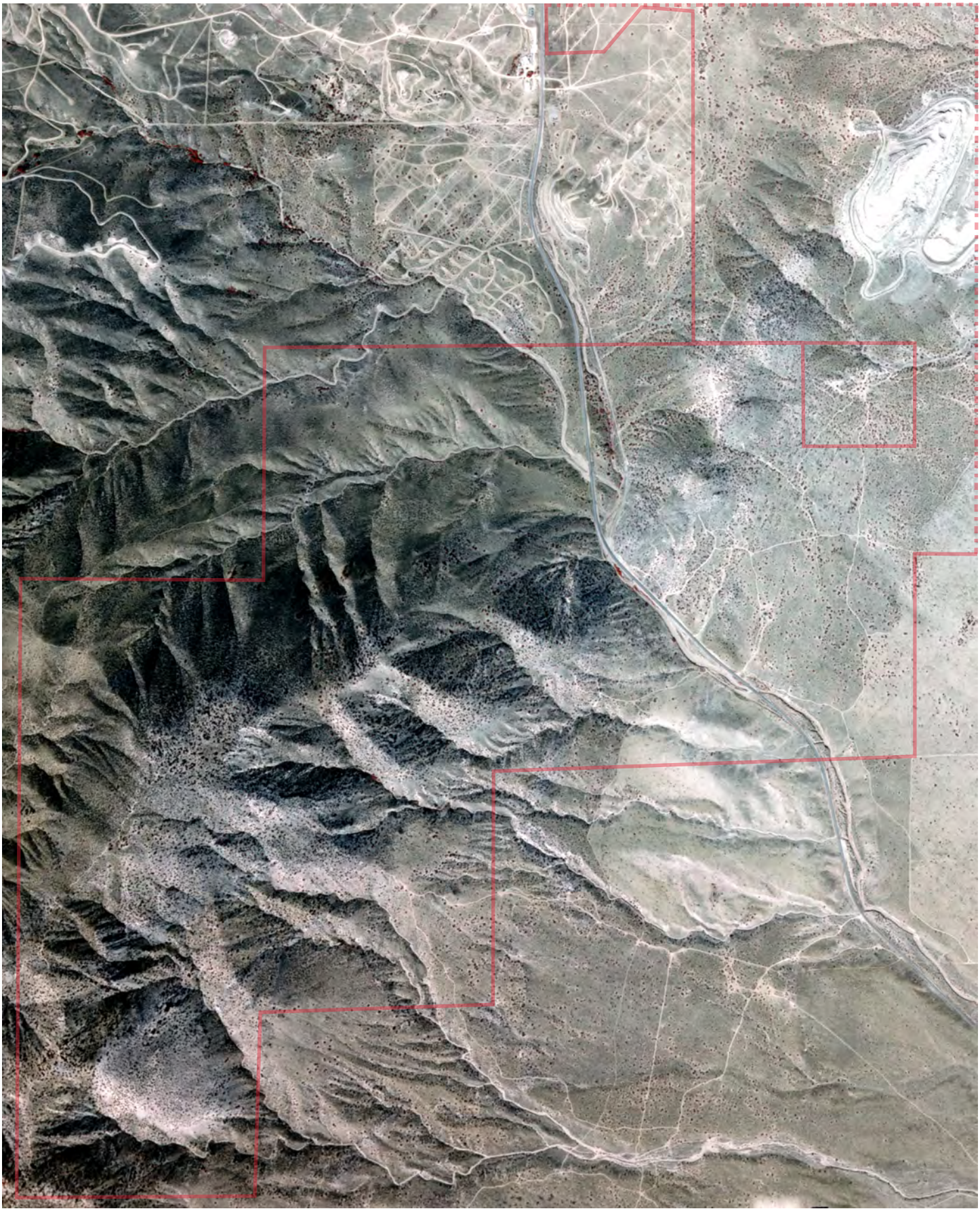


FLIGHT YEAR:
1990

Photo 3
Subject Cannot Be Centered

N
W E
S

Scale: 1" = 1,500'

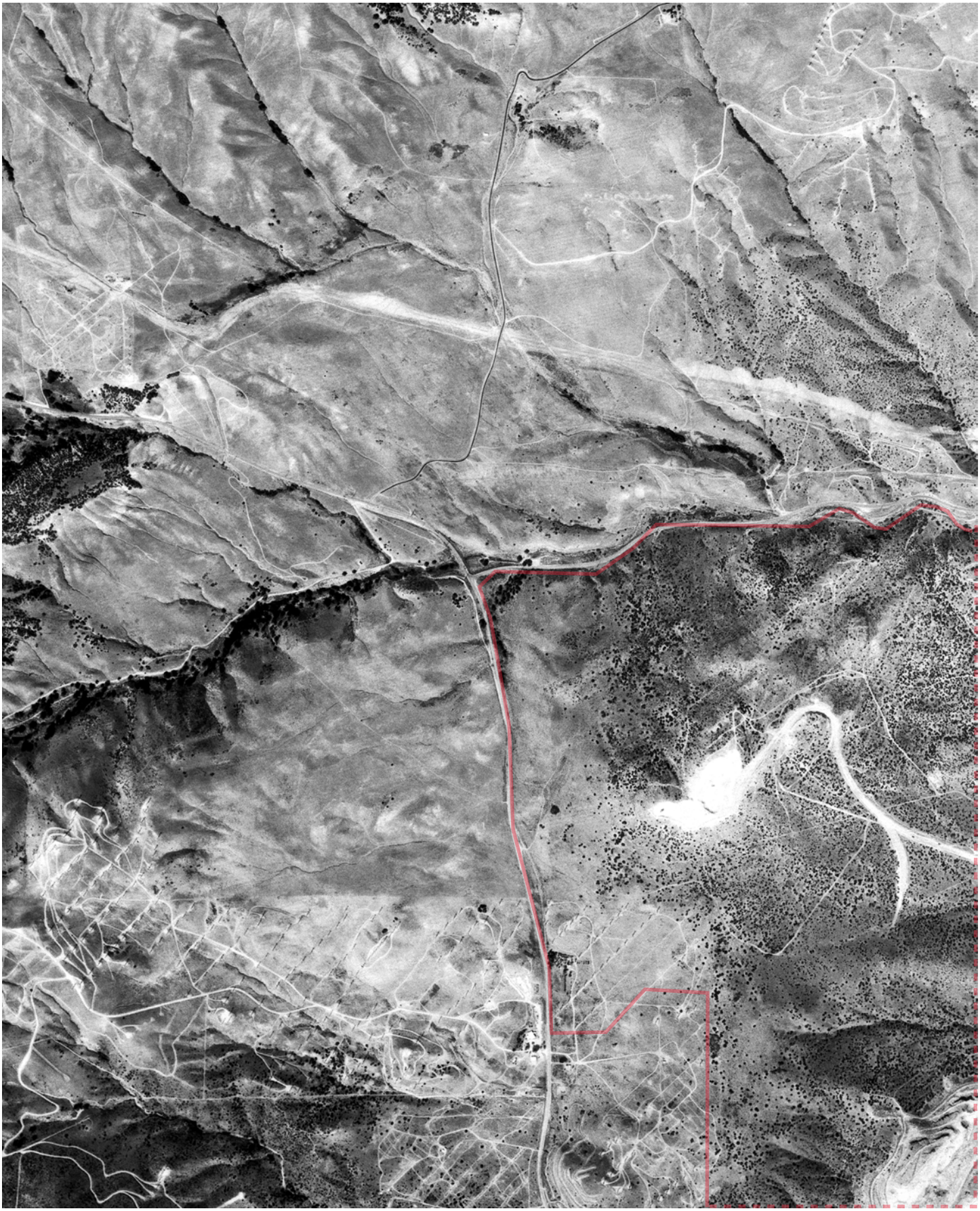


FLIGHT YEAR:
1992

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1992

Photo 2

N
W E
S

Scale: 1" = 1,500'

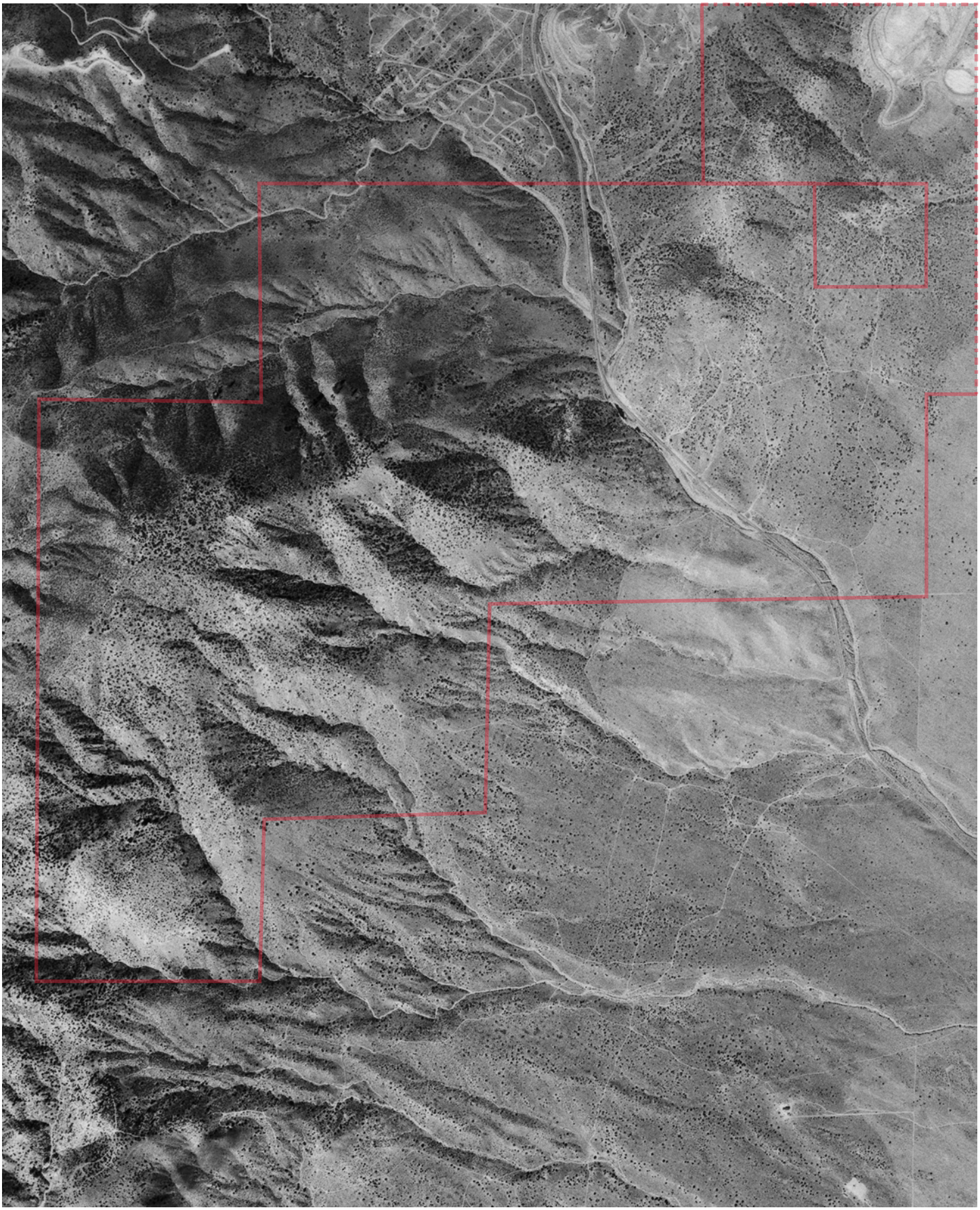


FLIGHT YEAR:
1992

Photo 3

N
W E
S

Scale: 1" = 1,500'

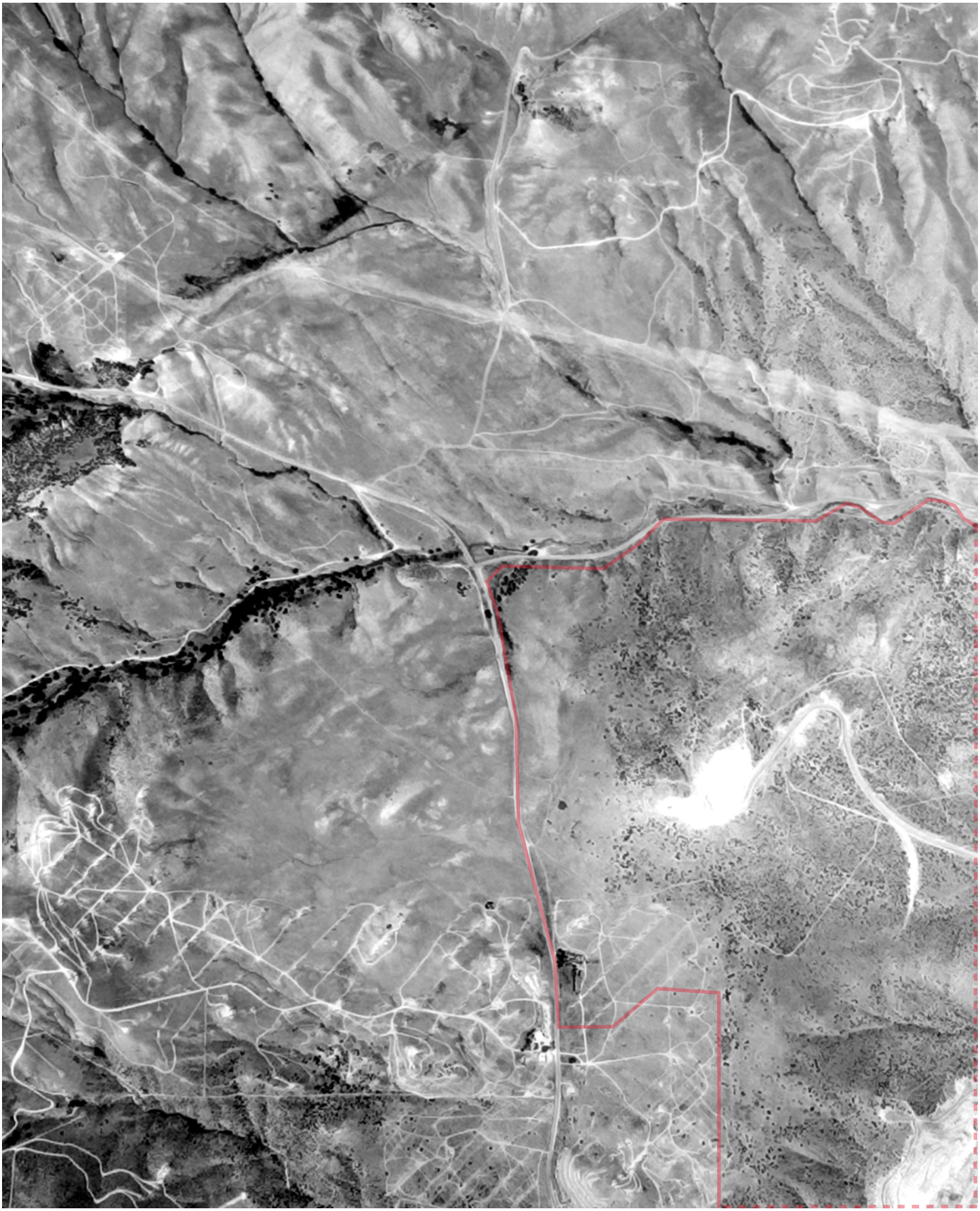


FLIGHT YEAR:
1994

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1994

Photo 2

N
W E
S

Scale: 1" = 1,500'

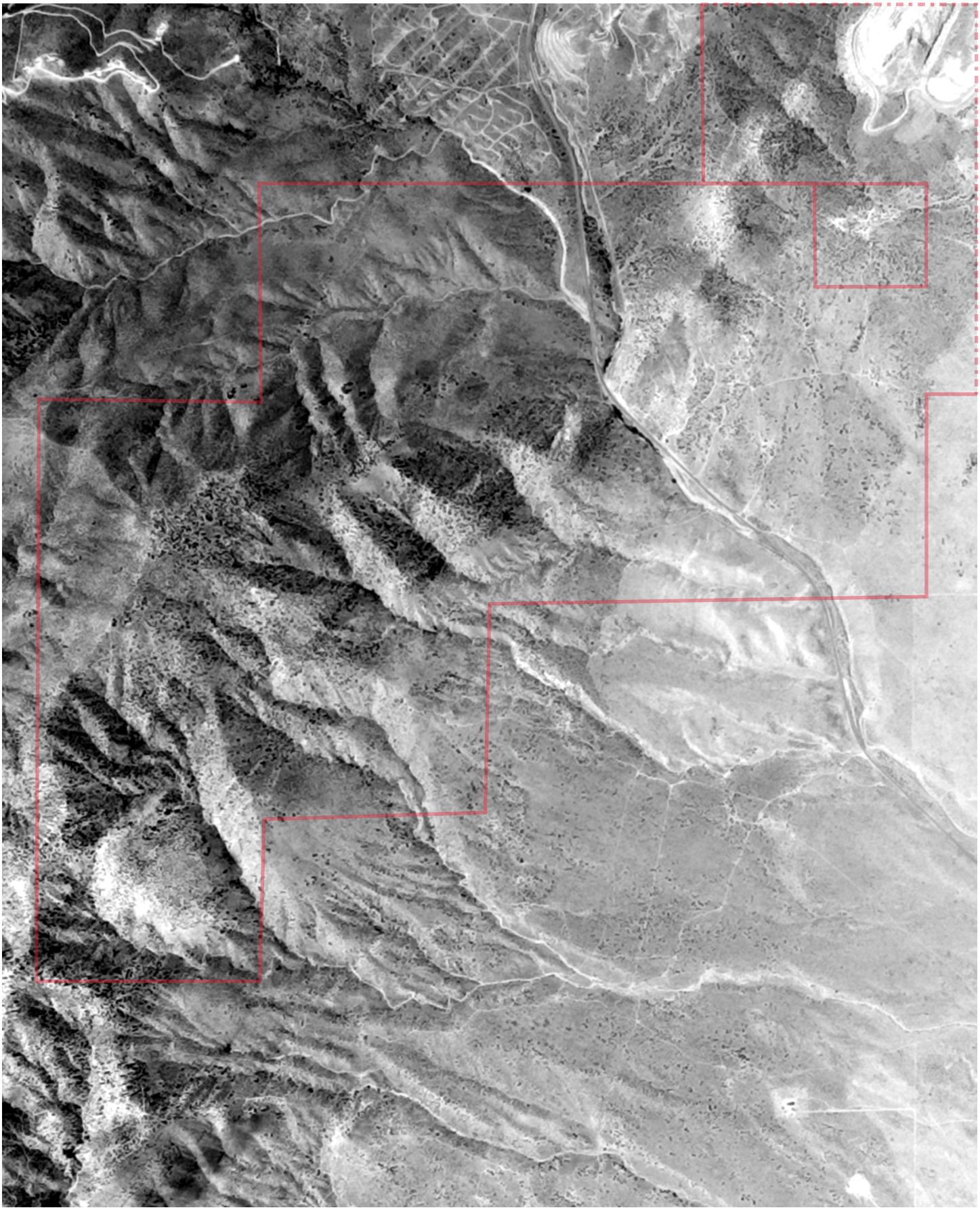


FLIGHT YEAR:
1994

Photo 3

N
W E
S

Scale: 1" = 1,500'

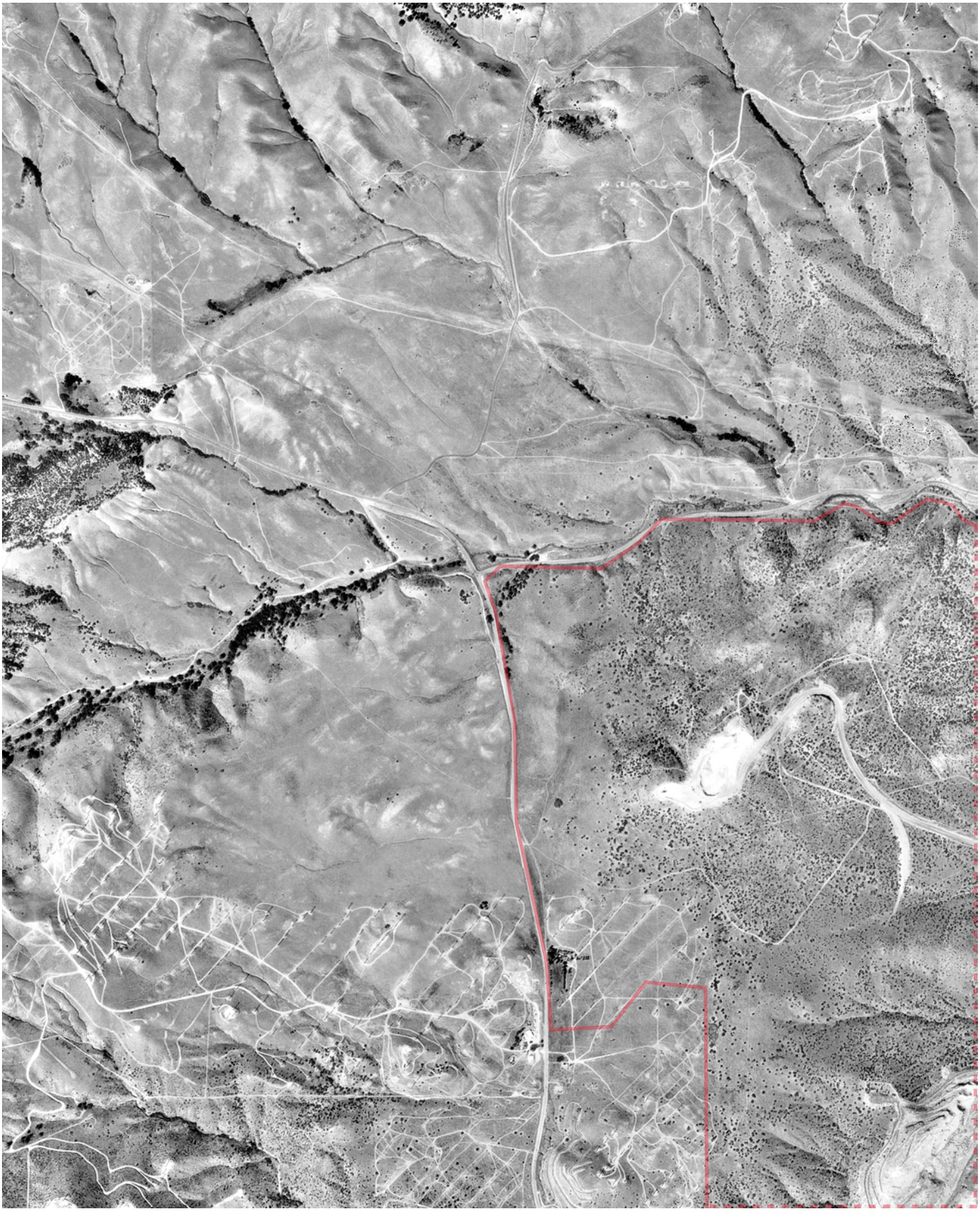


FLIGHT YEAR:
1995

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
1995

Photo 2

N
W E
S

Scale: 1" = 1,500'

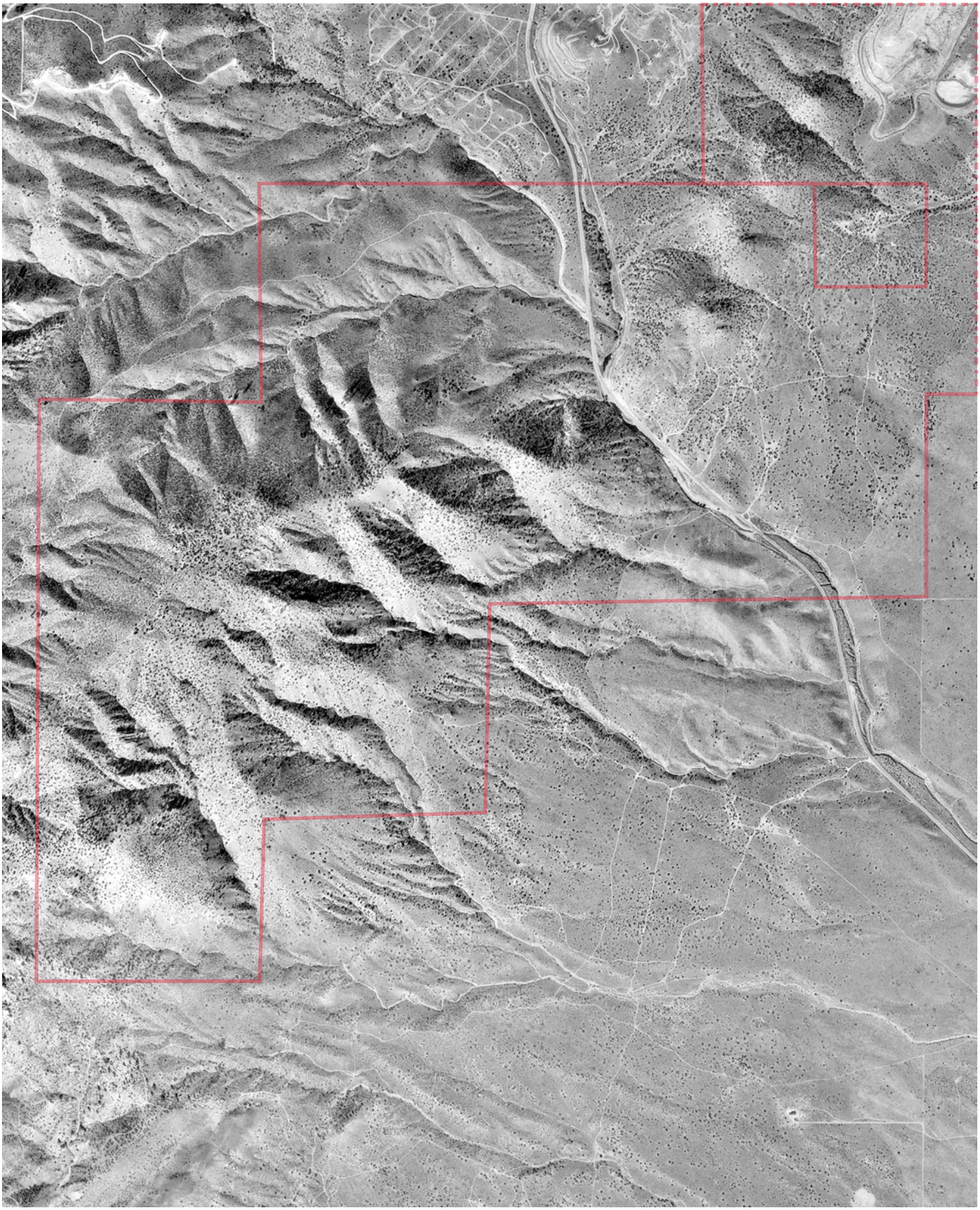


FLIGHT YEAR:
1995

Photo 3

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
2002

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
2002

Photo 2

N
W E
S

Scale: 1" = 1,500'

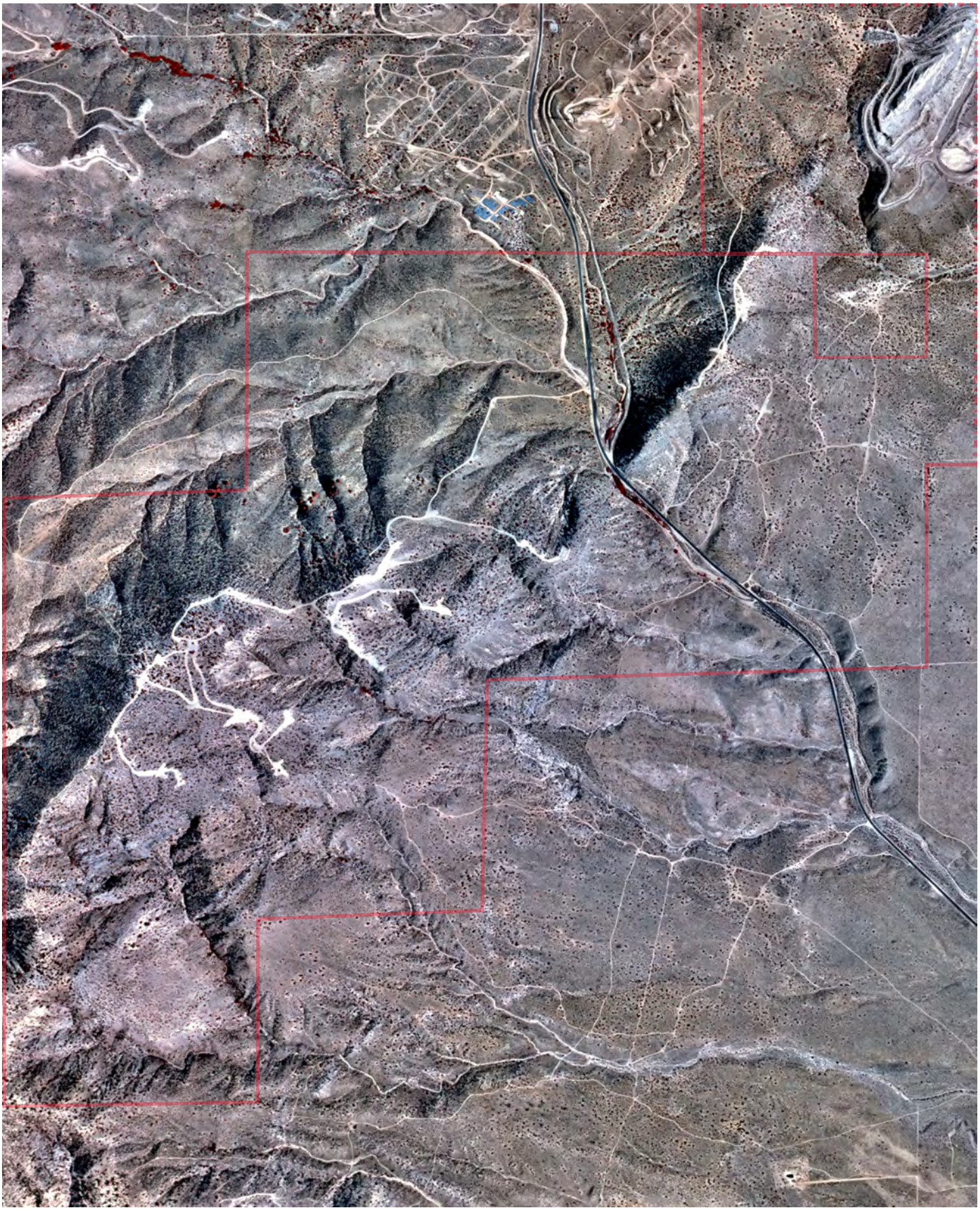


FLIGHT YEAR:
2002

Photo 3
Subject Cannot Be Centered

N
W E
S

Scale: 1" = 1,500'

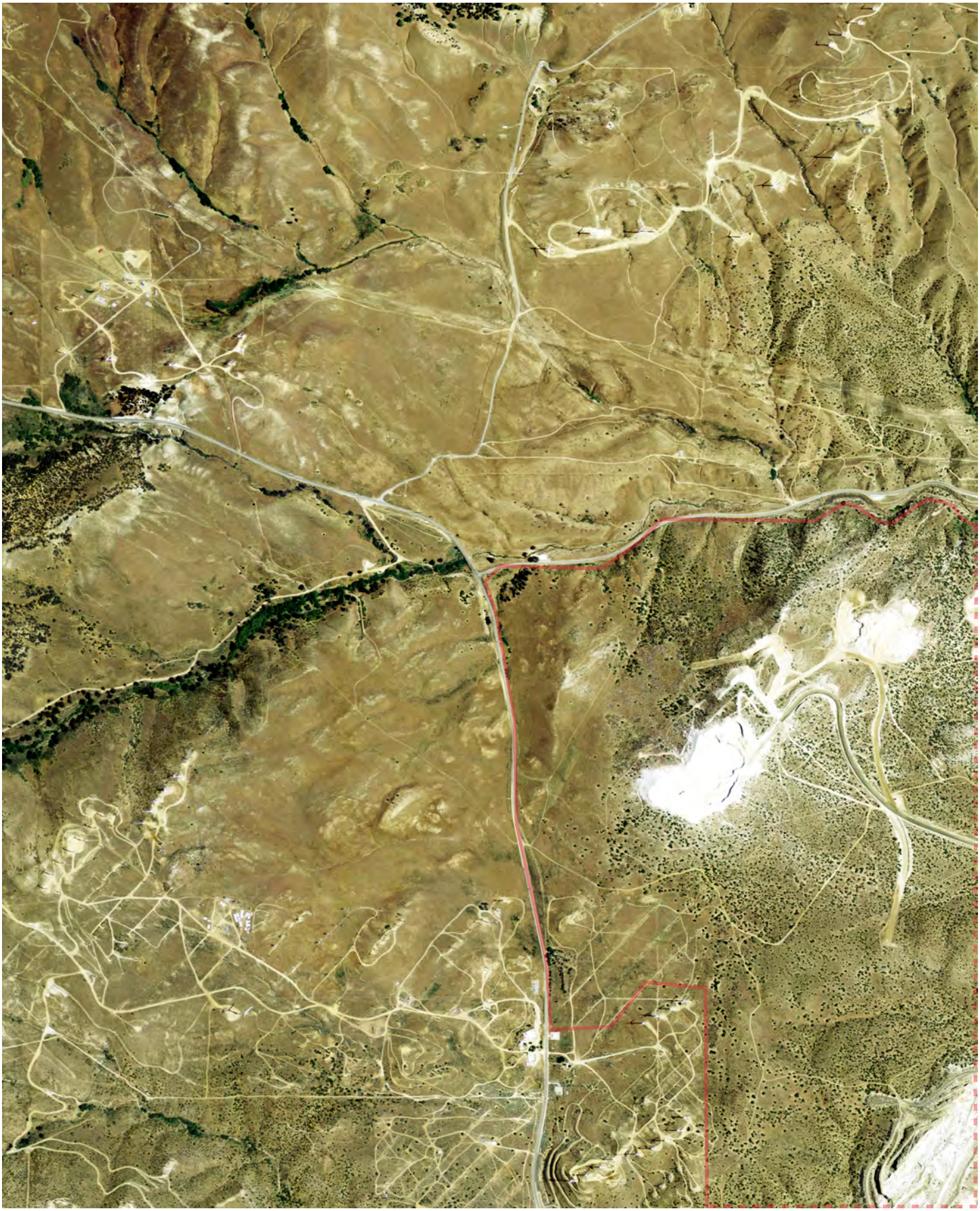


FLIGHT YEAR:
2005

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
2005

Photo 2

N
W E
S

Scale: 1" = 1,500'

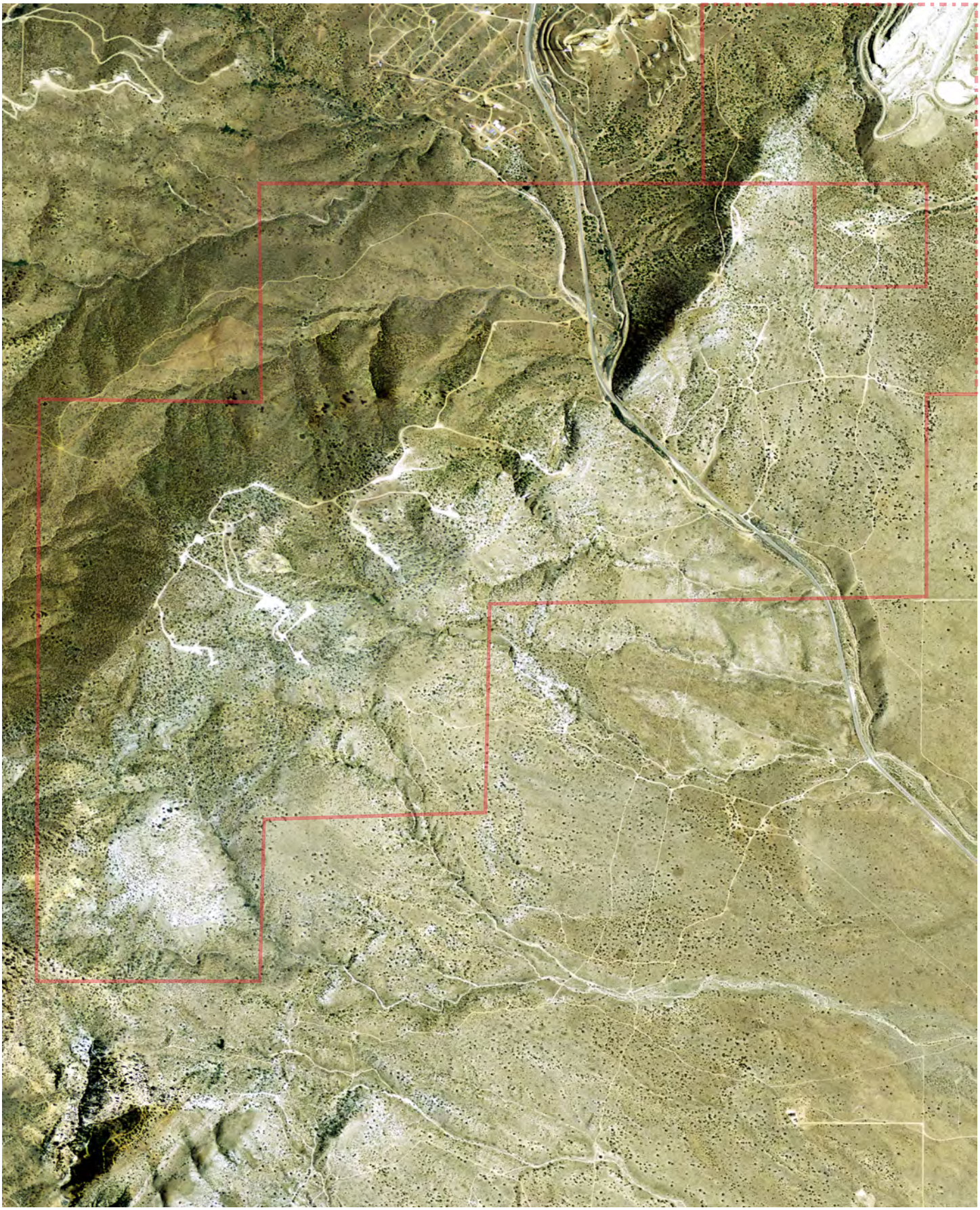


FLIGHT YEAR:
2005

Photo 3

N
W E
S

Scale: 1" = 1,500'

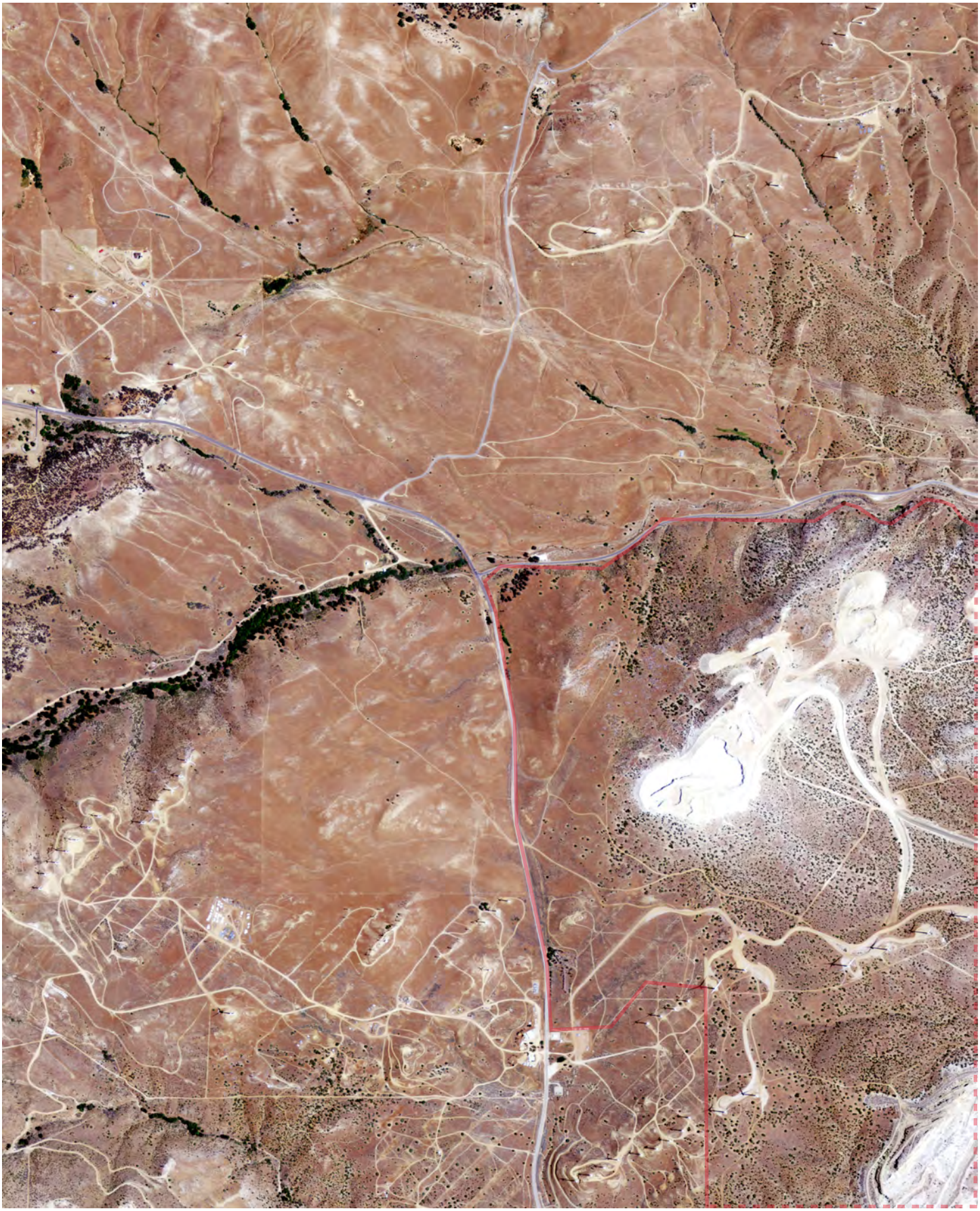


FLIGHT YEAR:
2009

Photo 1

N
W E
S

Scale: 1" = 1,500'



FLIGHT YEAR:
2009

Photo 2

N
W E
S

Scale: 1" = 1,500'

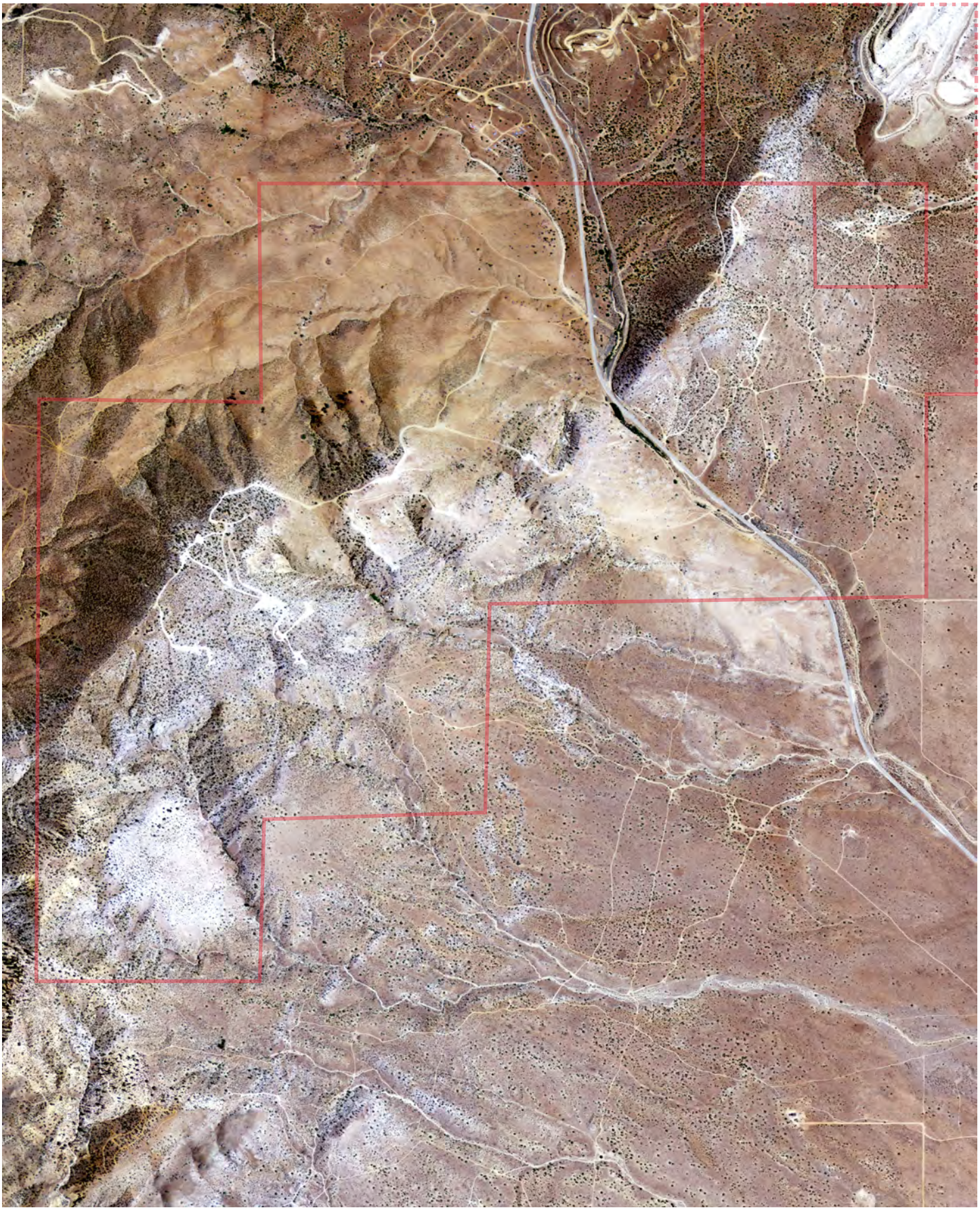


FLIGHT YEAR:
2009

Photo 3

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Scale: 1" = 1,500'

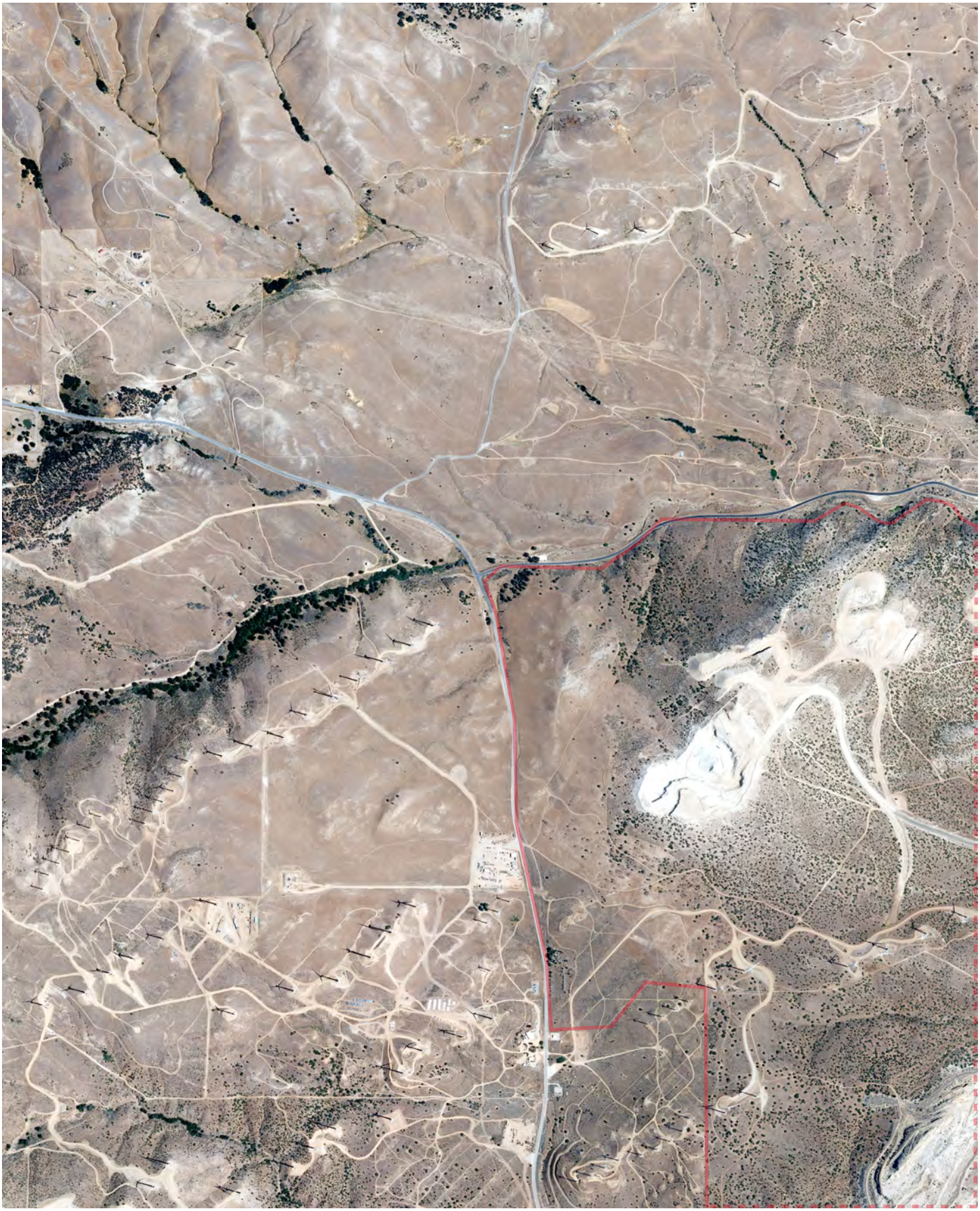


FLIGHT YEAR:
2010

Photo 1

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Scale: 1" = 1,500'



FLIGHT YEAR:
2010

Photo 2

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Scale: 1" = 1,500'



FLIGHT YEAR:
2010

Photo 3

N
W E
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Scale: 1" = 1,500'



FLIGHT YEAR:
2012

Photo 1

N
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S

Scale: 1" = 1,500'



FLIGHT YEAR:
2012

Photo 2

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W E
S

Scale: 1" = 1,500'

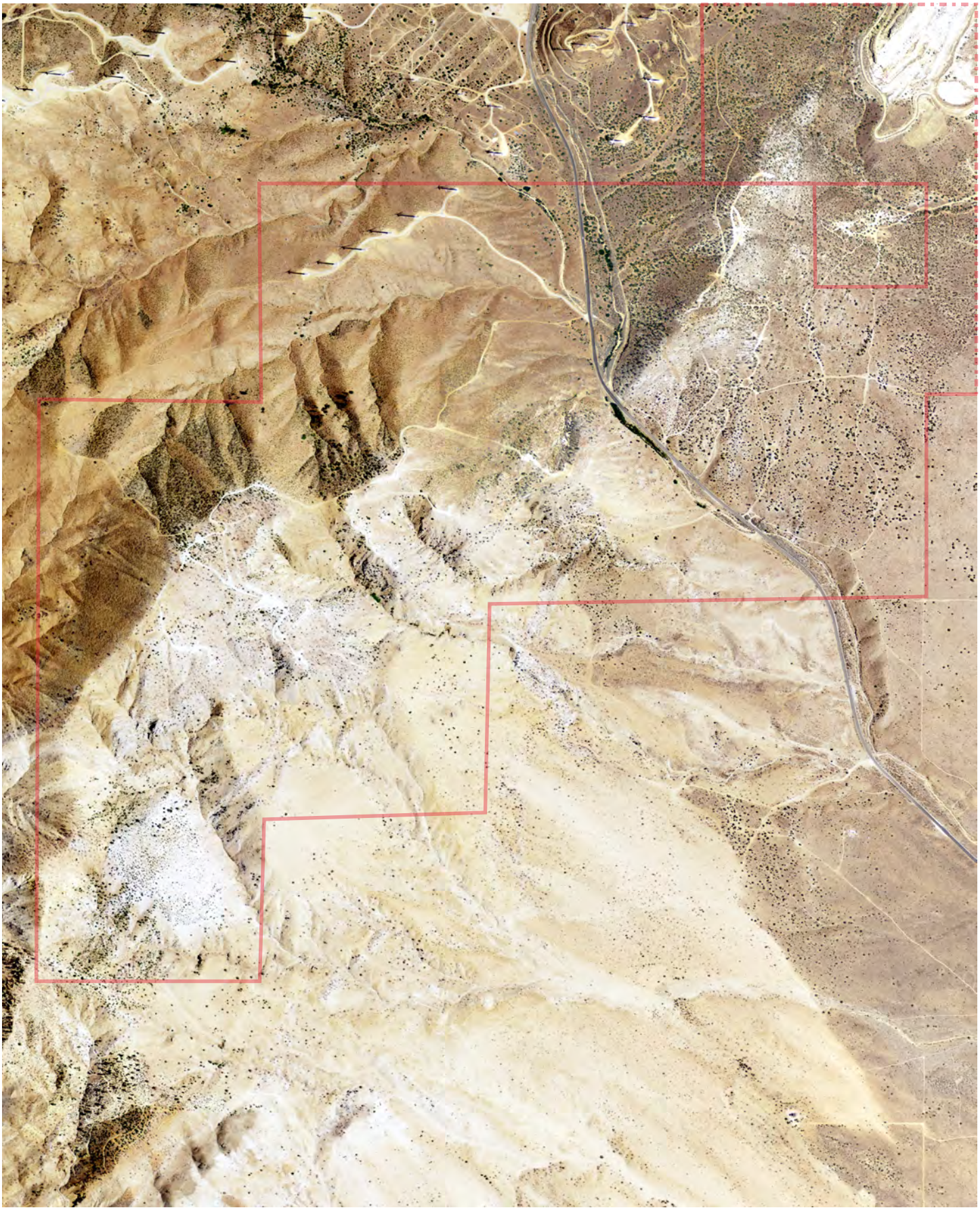


FLIGHT YEAR:
2012

Photo 3

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Scale: 1" = 1,500'



FLIGHT YEAR:
2014

Photo 1

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Scale: 1" = 1,500'



FLIGHT YEAR:
2014

Photo 2

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Scale: 1" = 1,500'

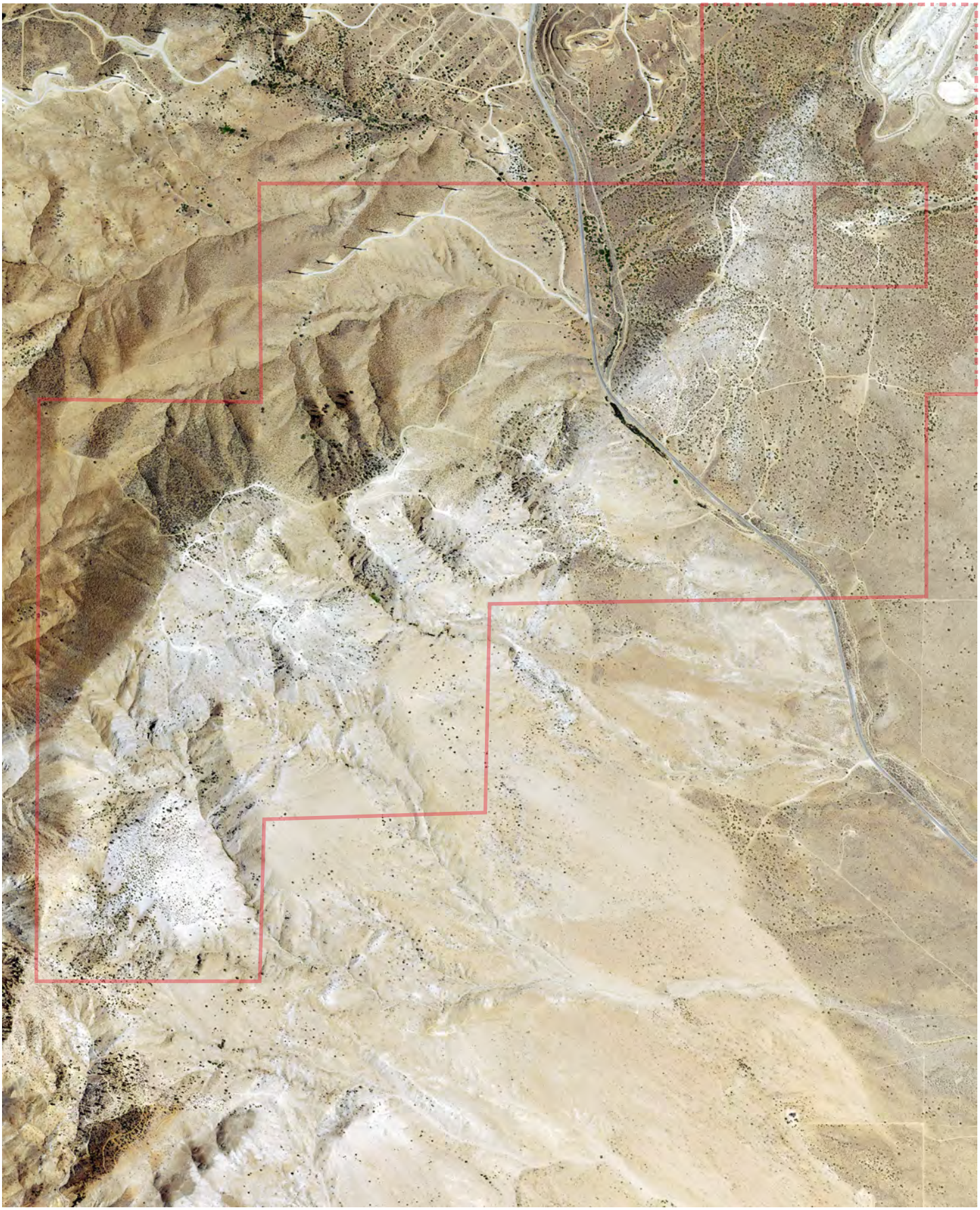


FLIGHT YEAR:
2014

Photo 3

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Scale: 1" = 1,500'

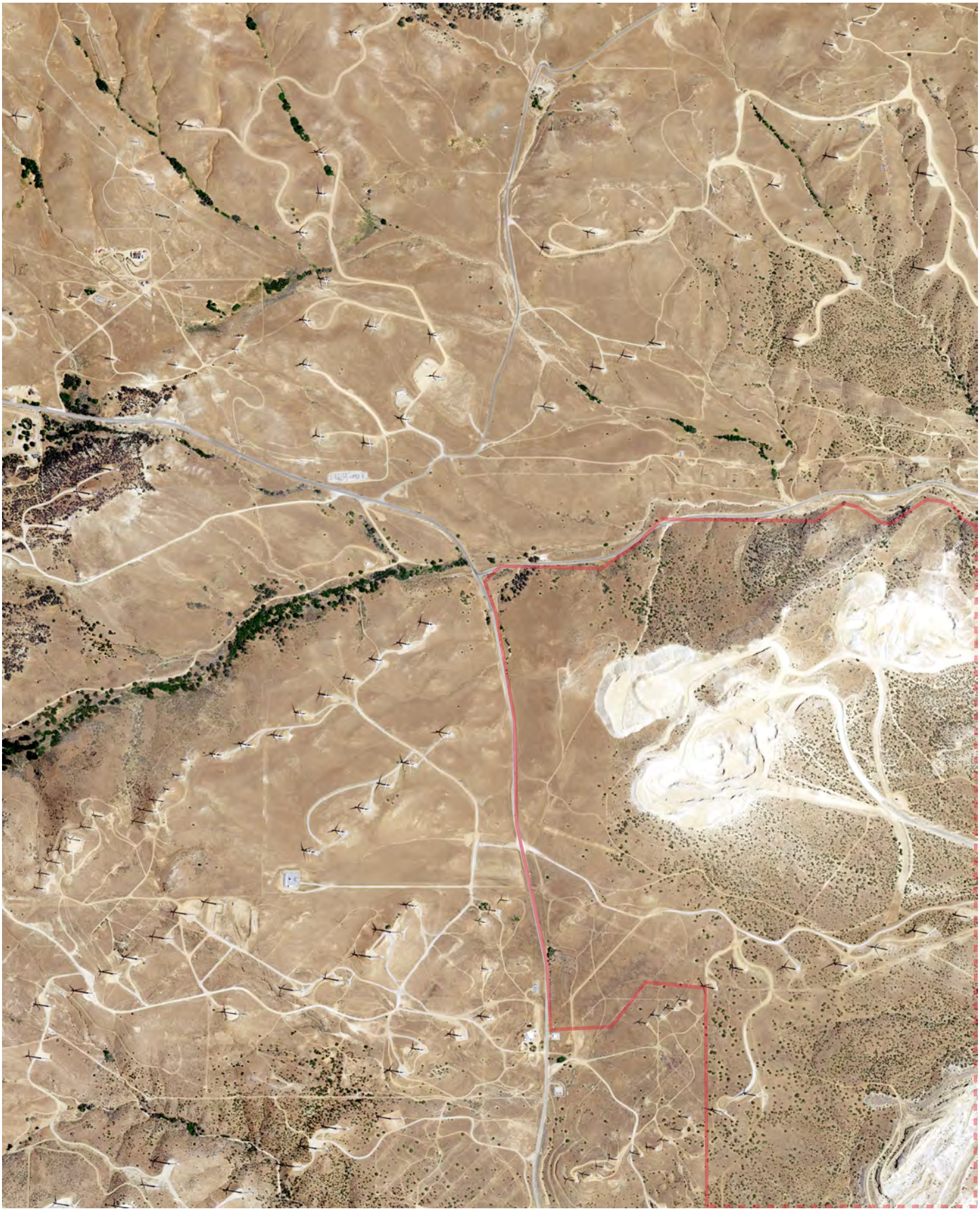


FLIGHT YEAR:
2016

Photo 1

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Scale: 1" = 1,500'



FLIGHT YEAR:
2016

Photo 2

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Scale: 1" = 1,500'

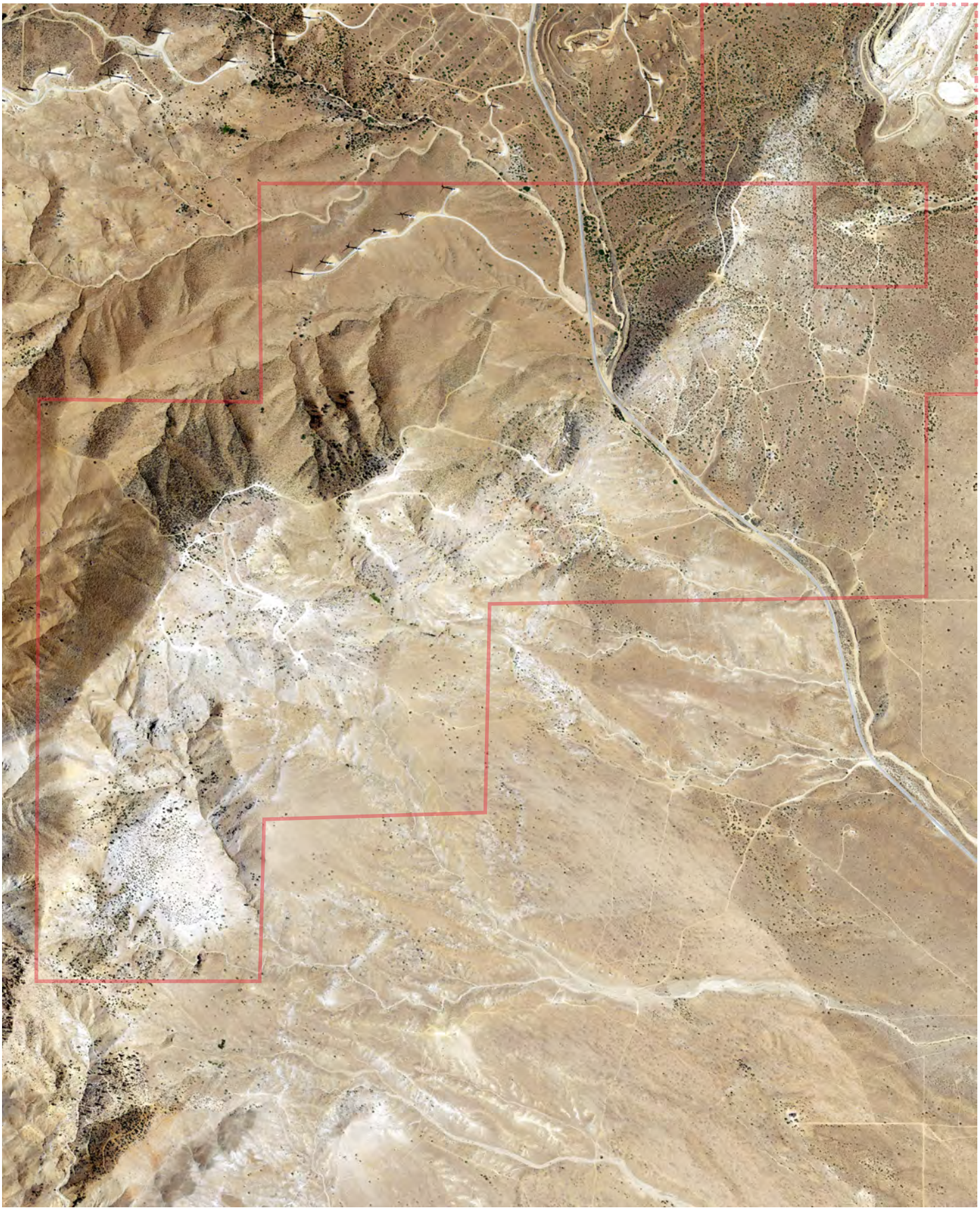


FLIGHT YEAR:
2016

Photo 3

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Scale: 1" = 1,500'



FLIGHT YEAR:
2018

Photo 1

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Scale: 1" = 1,500'



FLIGHT YEAR:
2018

Photo 2

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W E
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Scale: 1" = 1,500'

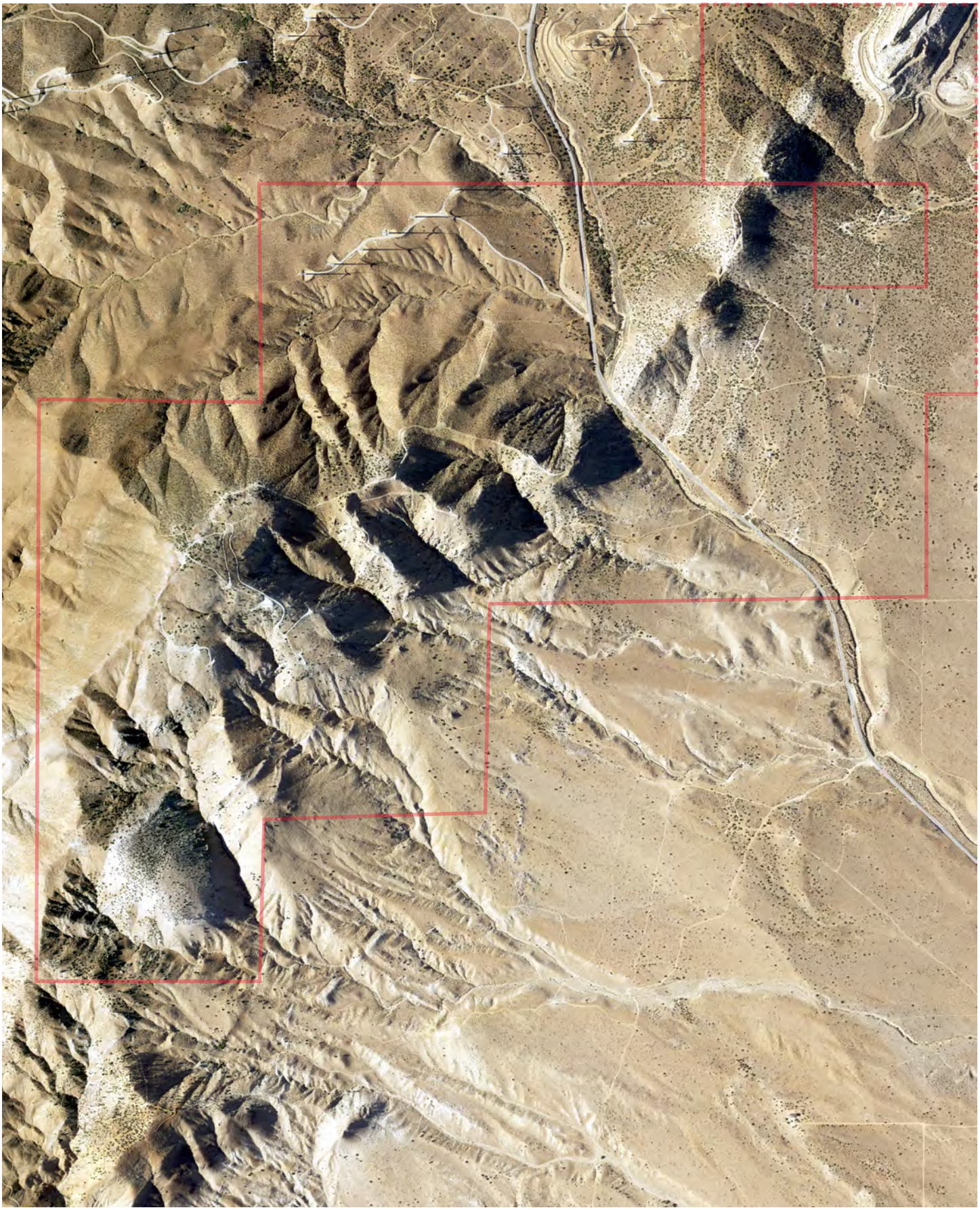


FLIGHT YEAR:
2018

Photo 3

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Scale: 1" = 1,500'

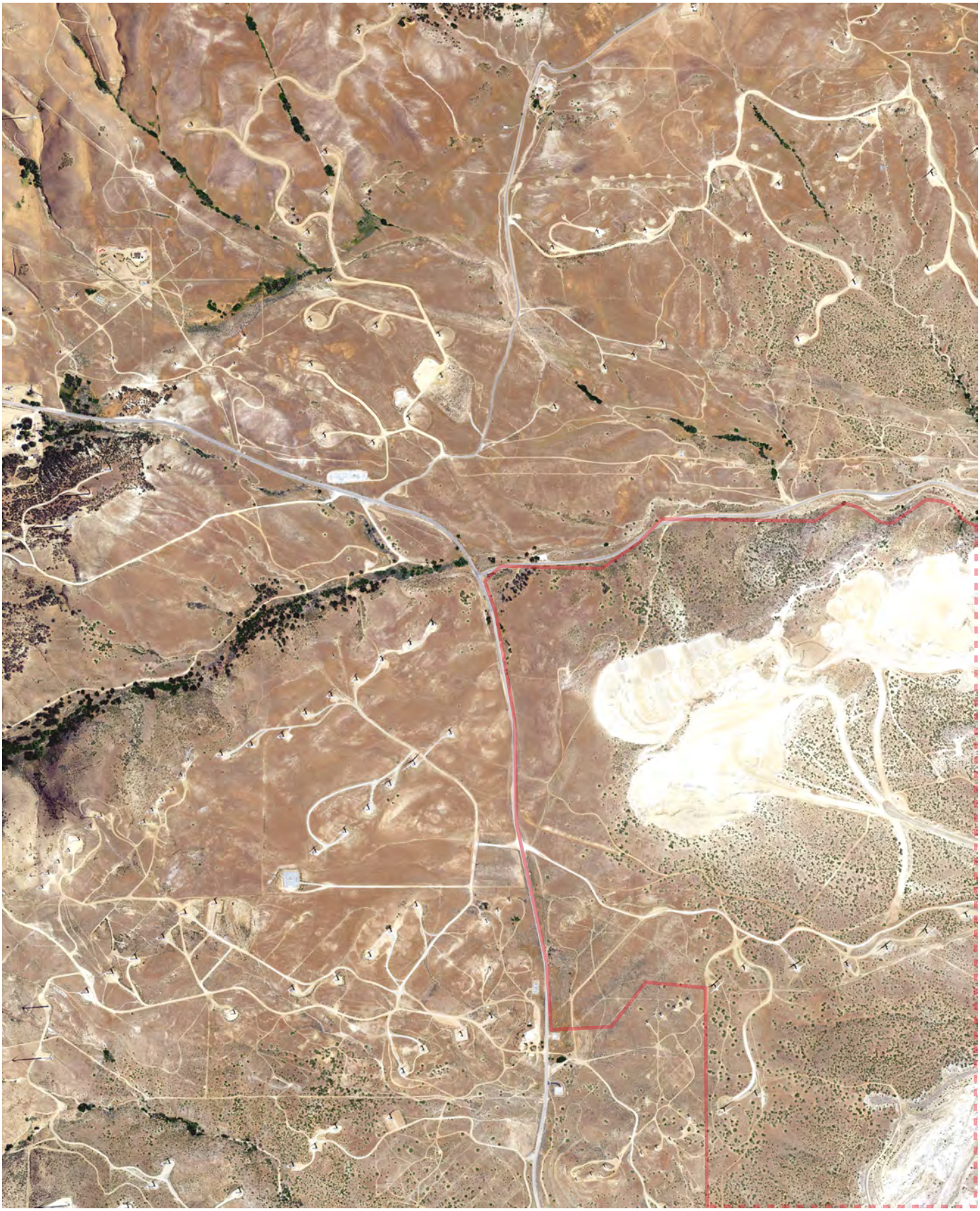


FLIGHT YEAR:
2020

Photo 1

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Scale: 1" = 1,500'



FLIGHT YEAR:
2020

Photo 2

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Scale: 1" = 1,500'

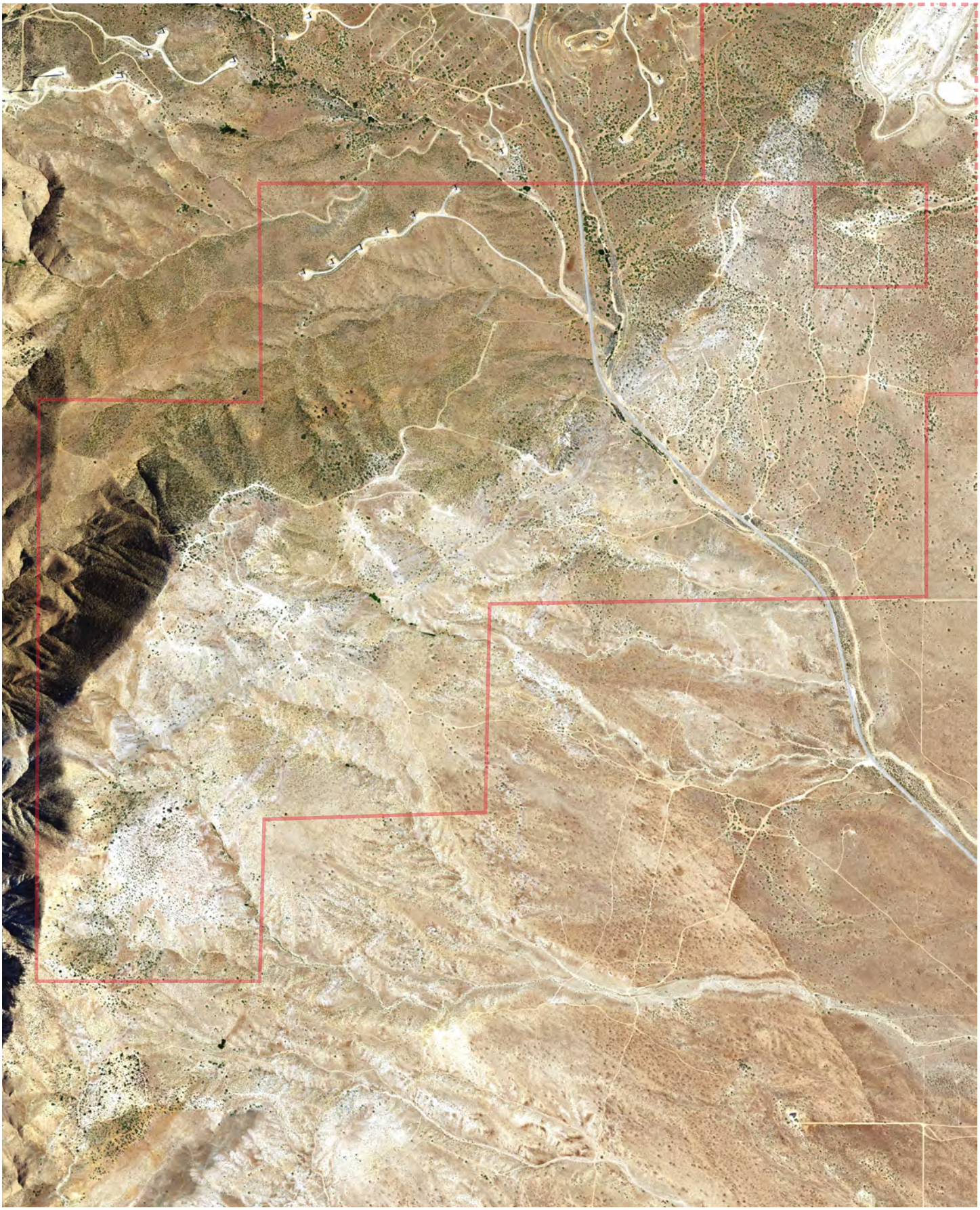


FLIGHT YEAR:
2020

Photo 3

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W E
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Scale: 1" = 1,500'



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

MONOLITH QUADRANGLE
CALIFORNIA—KERN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

2356 III NW (TEHACHAPI NORTH)
2354 III NE (TEHACHAPI NE)
2354 I NW (CACHE PEAK)
2354 III SW (TEHACHAPI SOUTH)
2354 I SW (MOJAVE)
2353 IV NW (TYLERHORSE CANYON)
2353 I NW (SOLEDAD MTN.)

118°22'30" 35°07'30" 375 000m E. 376 377 378 20' 379 380 381 382 17'30" 383 R. 34 E. R. 35 E. 1 920 000 FEET 385 118°15' 35°07'30"

590 000 FEET

3886 000m N. 3885 3884 3883 5' 3882 3881 3880 3879 2'30" 3878 3877 3876 3875 550 000 FEET 3874 35°00'

T. 32 S. T. 12 N. T. 11 N.

R. 14 W. (WILLOW SPRINGS) 2353 IV NE R. 13 W.

BAKERSFIELD 45 MI. TEHACHAPI 4 MI.
MOJAVE 8 MI. BARSTOW 76 MI.
TEHACHAPI 9 MI.
WILLOW SPRINGS 10 MI. 17 MI. TO CALIF. 138
MOJAVE 4.5 MI.

Cooling Ponds
INCLINE
Monolith
ATCHISON TOPEKA AND SANTA FE
BM 3919
BM 3922
BM 3924
BM 3882
BM 3770
BM 3666
BM 3771
BM 4151
BM 4046
Proctor Lake
TEHACHAPI VALLEY
Well
Borrow Pit
SOUTHERN PACIFIC
SAND CANYON
Cache Creek
Spring
Pajuela Peak 5764
Lieva Springs
La Rose Springs
Waterfall
Canyon
Creek
Pass
AT & SF
SP
Tehachapi
Cache
Cameron
Cameron Canyon
Shrub 5264
Radio Facility
Water Tank
Cameron 4673
Oak Creek Canyon
Oak Creek
PIPELINE
OAK CREEK ROAD
TEHACHAPI WILLOW SPRINGS ROAD
Water Tanks 3706
Quarry
Substa
Limestone 5362
Prospect
SOUTHERN PACIFIC
LOS ANGELES AQUEDUCT
PIPELINES
OAK CREEK ROAD

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1966

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 5
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

To place on the predicted North American Datum 1983 move the projection lines 6 meters north and 84 meters east as shown by dashed corner ticks

Fine red dashed lines indicate selected fence lines

Revisions shown in purple compiled from aerial photographs taken 1973. This information not field checked

UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
GN MN 0°45' 13 MILS 15½° 276 MILS

SCALE 1:24 000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

CALIF
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Primary highway, all weather, hard surface
Secondary highway, all weather, hard surface
Light-duty road, all weather, improved surface
Unimproved road, fair or dry weather
State Route

Map photoinspected 1978
No major culture or drainage changes observed

MONOLITH, CALIF.

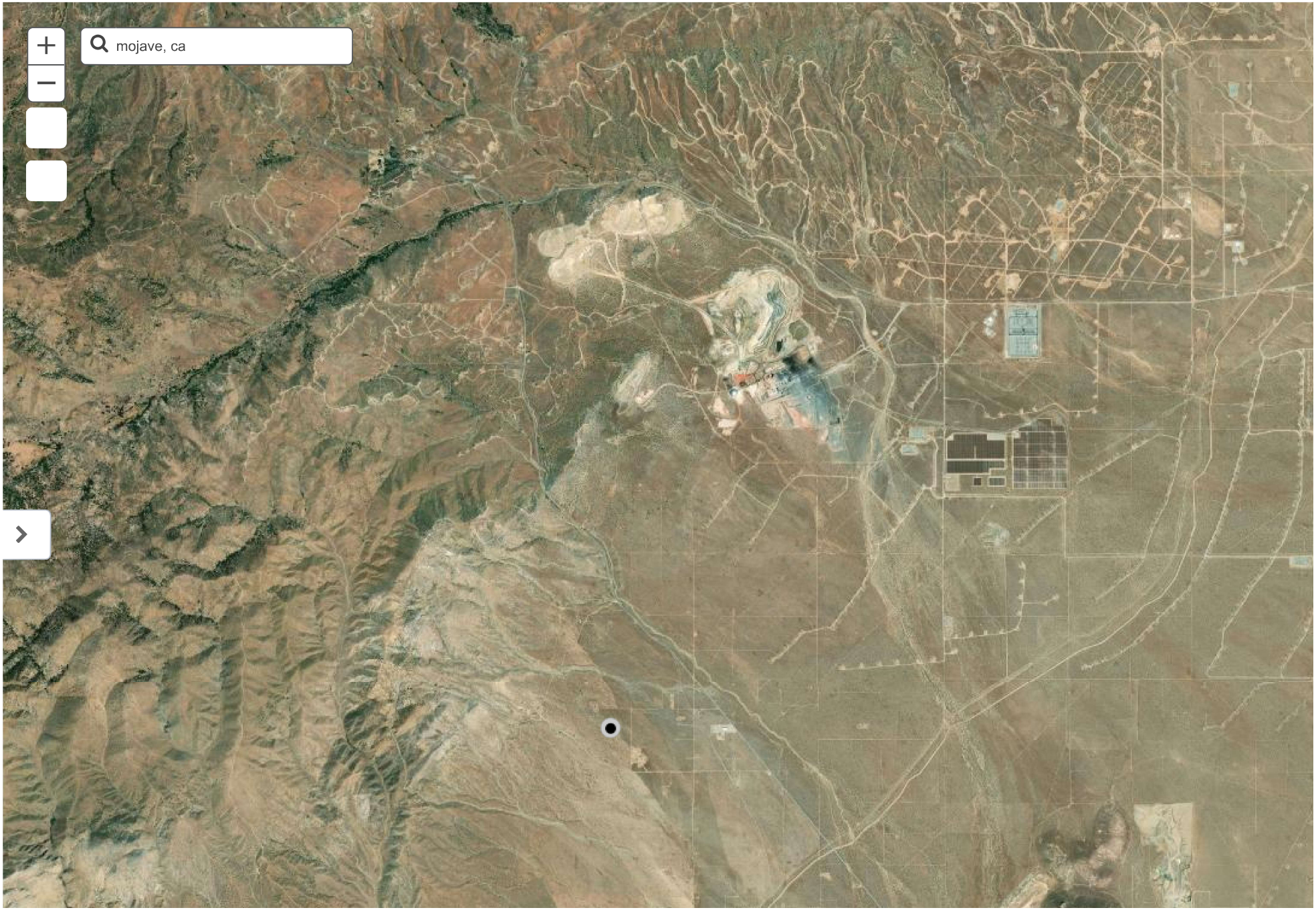
35118-A3-TF-024
PHOTOINSPECTED 1980
1966
PHOTOREVISED 1973
DMA 2354 III SE—SERIES V895

USGS NMD HISTORICAL MAP
APR 29 1987
RECD FILE COPY

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1986

Well Finder
CalGEM GIS

More Info | Help | ©



PHASE I ENVIRONMENTAL SITE ASSESSMENT

CALPORTLAND COMPANY
MOJAVE MINE LIFE EXTENSION PROJECT
Mojave, California 93501

October 2017

Prepared for

CalPortland Company
9350 Oak Creek Road
Mojave, CA 93501

EM Strategies, Inc
1650 Meadow Wood Lane
Reno, NV 89502

Prepared by:

Provost & Pritchard Consulting Group
2505 Alluvial Avenue
Clovis, California

Stephanie Gillaspy, EIT
Senior Environmental Professional

David Norman
Principal Environmental Professional

2680-17-001-ESA

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C. EDR Database Reports
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    b. EDR Well Report and Map
D. County Environmental Health Department
E. EDR Building Permit Report
F. Division of Oil, Gas, and Geothermal Resources
G. Department of Toxic Substances Control
H. Regional Water Quality Control Board
I. Eastern Kern Air Pollution Control District
J. DWR Depth to Water Contour Map
K. EDR Aerial Photo Decade Package
L. EDR Historical Topo Map Report
M. ASTM User Questionnaire, Phase I ESA Questionnaire

EXECUTIVE SUMMARY

- This Phase I Environmental Site Assessment Report (ESA) has been prepared for EM Strategies, Inc. and CalPortland Company (Client) for the Mojave Mine Life Extension Project property (Property) located southwest of 9350 Oak Creek Road (site) in Mojave, California (Figure 1). The property is made up of an active limestone, shale and pozzolan quarry and future expansion area (Figure 2).
- Site reconnaissance was conducted on June 12, 2017.
- Provost & Pritchard has performed this ESA in general conformance with the scope and limitations of ASTM E 1527-13. This assessment has not revealed recognized environmental conditions (REC) regarding the Property.

1. INTRODUCTION

1.1. Purpose

This Phase I Environmental Site Assessment Report (ESA) has been prepared for EM Strategies, Inc. (EM Strategies) and CalPortland Company (CalPortland) (Client) for the Mojave Mine Life Extension Project property (Property), located southwest of 9350 Oak Creek Road, Mojave, CA (Figure 1, Appendix A). The ESA was performed in accordance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice for Phase 1 Environmental Site Assessment Process E1527-13. This ESA was conducted to document the general environmental condition prior to utilization of the existing reserves in an expanded area of CalPortland's property. The ESA was limited to the area identified on Figure 2 in Appendix A.

The objective of this ESA is to assist the Client in understanding recognized environmental conditions associated with the site's past and current use. Recognized Environmental Condition (REC) is defined by the ASTM Standard Practice E1527-13 as "the presence or likely presence of hazardous substances or petroleum products under conditions that indicate a release into structures on the property or into the ground, groundwater or surface water of the property."

Historical Recognized Environmental Conditions (HRECs) are defined by the ASTM Standard Practice E1527-13 as an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.

Business Environmental Risks (BERs) include risks which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of the subject property, not necessarily limited to those environmental issues required to be investigated in the standard ASTM scope. BERs may affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

In addition, this ESA can recommend the presence of housekeeping conditions which are beyond the ASTM guidelines. Housekeeping conditions are de minimis conditions that generally do 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 government agencies.

1.2. Detailed Scope-of-Services

The ESA process consisted of:

1.2.1 A review and evaluation of state and federal (i.e., U.S. EPA) environmental databases that list sites of potential impact within specified search distances;

1.2.2 A review and evaluation of reasonably ascertainable local agency records and environmental databases for historical and current documentation pertaining to the site;

1.2.3 A review and evaluation of historical use information, including aerial photographs and maps (e.g., USGS, fire insurance, etc.), tax improvement records, city directories, and building department permit records;

1.2.4 Interviews with clients and government officials, as appropriate;

1.2.5 Site reconnaissance to determine current and past uses and conditions of both the property and adjoining properties; and

1.2.6 Preparation of a report detailing findings, and conclusions generated from components (1.2.1) through (1.2.5).

1.3. Common Acronyms

APN:	Assessor's parcel number
AST:	Above-ground storage tank
ASTM:	American Society for Testing and Materials
CUPA:	Certified Unified Program Agency
DTSC:	California Department of Toxic Substance Control
DWR:	California Department of Water Resources
EDR:	Environmental Data Resources Inc.
EPA:	United States Environmental Protection Agency
ESA:	Environmental site assessment
P&P:	Provost & Pritchard Consulting Group
REC:	Recognized environmental condition
RWQCB:	Regional Water Quality Control Board
USDA:	United States Department of Agriculture
USGS:	United States Geological Survey
UST:	Underground storage tank

1.4. Significant Assumptions

The ESA is designed in principle to be a cost-effective overview of a site, which should identify indications of RECs that are observable, or recorded in readily available public records. Evaluation of the Property is limited to information available through public sources, interviews, and firsthand observation. Judgments leading to opinions and recommendations are made without a complete knowledge of subsurface conditions. Findings and recommendations are made in review of information that was prepared or provided by others. This report assumed that the information provided is accurate and correct. P&P assumes that cases closed by regulatory agencies do not continue to represent a threat of groundwater impacts or vapor migration or intrusion. Additional research beyond that required by ASTM E1527-13 may yield additional information.

1.5. Limitations and Exceptions

Land use, site conditions (both onsite and offsite) and other factors will change over time. Since site activities and regulations could change at any time after the completion of this report, the observations, findings and opinions can be considered valid only as of the date of the site visit.

P&P's professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed. Judgments leading to conclusions and recommendations are made without a complete knowledge of subsurface conditions.

No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of the practice outlined in ASTM E1527-13 is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and this practice recognizes reasonable limits of time and cost.

Therefore, no warranty or guarantee is expressed or implied.

1.6. User Reliance

This report has been prepared for the sole benefit of EM Strategies and CalPortland in preparation of an Environmental Impact Report for the Mojave Mine Life Extension Project. Any other person or entity without the express written consent of P&P and/or EM Strategies or CalPortland may not rely upon this report.

1.7. Site Description

The site description includes information that identifies the physical setting of the site in relation to the surrounding area. Table 1 describes the General Site Characteristics including:

- Site and physical setting,
- Descriptions of roads, structures, other improvements
- Current uses of the adjoining properties
- Location of the site and maps are included in Appendix A.

Table 1 – General Site Characteristics

ADDRESS & ASSESSOR'S PARCEL NUMBER	9350 Oak Creek Road, Mojave 237-032-01, -02, -32, 237-071-02, -03, -04, -05, 237-073-01, -02, 237-091-01, -02, -04, -05, -17, 237-091-19, 237-093-01, 237-101-06, 237-102-01, 237-530-35 See Appendix B**.**
APPROXIMATE SIZE	The project Property is approximately 3,997 acres.
LOCATION	The Property is located primarily at the intersection of Oak Creek Road and Tehachapi Willow Springs Road.
ZONING	E (20) RS, NR (20), A-1, M-3, A WE, A
BUSINESS TYPE & YEARS OF OPERATION	CalPortland Mojave Mine since 1950's
PRIOR LAND USE	No prior land use is recorded.
USGS TOPOGRAPHIC QUADRANGLE Willow Springs, Tylerhorse Canyon, Tehachapi South, Monolith	The Property described as being in Sections 13 through 15, 22 through 28, 33, and 34, Township 11 North, Range 14 West (T11N, R14W), San Bernardino Base and Meridian, located in the County of Kern at an approximate elevation ranging from 3,420 to 6,085 feet above sea level.
ROADS	Oak Creek Road and Tehachapi Willow Springs Road.
STRUCTURES	No structures noted within the Project Area.

CURRENT USES OF ADJOINING PROPERTIES	
NORTH	Oak Creek Road, Windmills
WEST	Tehachapi Willow Springs Road, Windmills
EAST	Windmills
SOUTH	Windmills

2. USER PROVIDED INFORMATION

2.1. Title Records

The subject properties are owned by CalPortland. See Appendix B**.**

2.2. Environmental Liens or Activity and Use Limitations

No environmental liens or other activity and use limitations (AULs) were reported in the title report prepared for the site.

2.3. Specialized Knowledge

There was no specialized knowledge of environmental concerns provided by property owners.

2.4. Valuation Reduction for Environmental Issues

Not applicable.

2.5. Owners, Property Manager, and Occupant Information

The project Property is occupied by CalPortland.

2.6. Reasons for Performing ESA

This ESA was conducted to assist CalPortland with portions of its due diligence in a potential property transaction and to meet the criteria of the All Appropriate Inquiry (AAI) standard in regards to previous ownership, uses, and environmental conditions of the property for the purposes of qualifying for certain landowner liability protections under CERCLA.

3. RECORDS REVIEW

3.1. Standard Environmental Records Sources

Federal, state and local regulatory agencies' database lists were available for review. The purpose of the record review is to obtain and review records that would help to identify recognized environmental conditions in connection with the Property. P&P contracted with a commercial database service, Environmental Data Resources (EDR), to review the regulatory agency lists for reference to the Property and any listings within the appropriate ASTM minimum search distance from the site. The federal and state

databases reviewed are listed below with a brief description of the potential environmental risk, if applicable. A copy of the EDR report is included in Appendix C.

The following federal and state databases were reviewed for assessment. The respective search distances are included in the EDR Area Map Report in the Map Findings Summary.

3.1.1. Federal and State Databases

- National Priority List (NPL), Proposed NPL, and NPL LIENS
- Delisted NPL Site List
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Federal Facility
- CERCLIS No Further Action (CERCLIS-NFRAP)
- Corrective Action Report (CORRACTS)
- Resource Conservation and Recovery Act Information (RCRA) TSDF- RCRA small and large generators
- Federal Institutional Controls/Engineering Controls Registry
- Emergency Response Notification System (ERNS),
- State and Tribal NPL Equivalent-(RESPONSE)
- State and Tribal CERCLIS Equivalent (ENVIROSTOR)
- State and Tribal Landfill or Solid Waste Disposal Site (SWF/LF)
- State and Tribal leaking storage tanks (LUST, SLIC, and INDIAN LUST)
- State and Tribal registered storage tank list (UST, AST, INDIAN UST, FEMA UST)
- State and Tribal Voluntary Cleanup Sites (INDIAN VCP, VCP)
- State Hazardous Waste Information System (HAZNET)
- California Drug Laboratory (CDL)

3.1.2. Findings

The Property is not listed on the state or federal databases searched by EDR. The CalPortland cement plant, adjacent to the project property, is listed in the SWEEPS UST database for six gasoline and one diesel fuel tanks and one fuel oil tank.

3.1.3. Kern County Assessor's Office (Appendix B)

The tax assessor records were not reviewed.

3.1.4. Vapor Encroachment Screen (Appendix C)

The EDR Vapor Encroachment Screen was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property involved in Real Estate Transactions (E-2600-10). The Screen was not available for the Property or adjacent properties.

3.1.5. Kern County Certified Unified Program Agency (Appendix D)

In February 2010, the Kern County Certified Unified Program Agency (CUPA) was granted authority to provide regulatory oversight of investigations and cleanups at sites that were impacted by substances other than petroleum products from underground storage tanks, such as heavy metals, pesticides, and herbicides.

Records were reviewed from the CalARP facilities in Kern County and the Property was not listed.

3.1.6. Kern County Local Oversight Program (Appendix D)

Kern County Division of Environmental Health is the Local Oversight Program (LOP) coordinator of investigations and cleanup where underground storage tanks and associated piping have leaked petroleum products in soil and groundwater. The Kern Contaminated Sites database is a list of open groundwater and soil contaminated sites in Kern County. The Property was not listed.

3.1.7. Kern County Planning & Community Development Services (Appendix E)

No building permits were found for the Property based on the agricultural and industrial lot descriptions on the Property Detail Reports (Appendix B).

3.1.8. Division of Oil, Gas & Geothermal Resource (Appendix F)

The State of California, Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) maintains the Well Finder web site with maps showing the locations of oil and gas wells the department has records of. A review of the oil and gas maps contains no records of oil or gas wells drilled in the area of the Property.

3.1.9. Department of Toxic Substances Control (Appendix G)

EnviroStor is a website for the Department of Toxic Substances serving as a link to environmental data for regulated facilities in California. A review of the EnviroStor website indicates that no records exist for this Property.

3.1.10. Regional Water Quality Control Board (Appendix H)

GeoTracker is a website for the State Water Resources Control Board serving as a link to environmental data for regulated facilities in California. A review of the GeoTracker website indicates that no records exist for this Property.

3.1.11. Eastern Kern Air Pollution Control District (Appendix I)

The Project Area is located within the Mojave Desert Air Basin and under jurisdiction of the Eastern Kern Air Pollution Control District (EKAPCD). The area is classified as nonattainment for ozone and PM_{10} under state standards and attainment for the one-hour ozone standard and unclassifiable/attainment for PM_{10} under the National Ambient Air Quality Standards. The area is unclassified under state standards for $PM_{2.5}$.

3.2. Physical Setting Source(s)

The geologic and hydrologic conditions beneath the Property were researched to evaluate whether hazardous substances are likely to migrate into the groundwater or soil beneath the site, either from on or off site sources.

3.2.1. Geological Conditions

The Property is located within the western Mojave Desert, a region that occurs

between the southern, low elevation, hot Sonoran Desert and the northern, high elevation, relatively cool Great Basin. This approximately 25,000-square-mile region occurs in southeastern California and portions of Arizona, Nevada, and Utah. The western boundary of the Mojave Desert is formed by the convergence of the Tehachapi and San Gabriel Mountains, and reaches its southernmost extent east of the San Bernardino Mountains near the Salton Sea, where it gradationally transitions into the Sonoran Desert. Ranging in elevation from roughly 3,000–6,000 feet above mean sea level (amsl), the Mojave is considered a high desert. However, the region includes peaks that exceed 11,000 feet amsl and valleys with elevations below 1,000 feet amsl (including Death Valley with the lowest recorded elevation in North America, at 282 feet below sea level).

The project area is on the gentle south-facing slopes below the Tehachapi Mountains, a relatively featureless portion on the northwestern end of the Antelope Valley. This area is geographically defined by the intersection of the San Andreas and Garlock Faults and where the Tehachapi Mountains meet the Transverse Range. Geologically, the western Mojave Desert consists of predominantly Quaternary alluvial sediments deposited from source material in the granitic rocks of the surrounding Tehachapi Mountains, Coast Range, and San Gabriel Mountains. Isolated smaller hills of granite and volcanic material are scattered throughout the western Mojave Desert.

3.2.2. Hydrogeology

The present water supply of the area is obtained from precipitation, streamflow, canal imports, and groundwater. The ultimate source of groundwater recharge is precipitation. This is true whether the precipitation falls directly on the land surface of a given area, flows into the area in the natural channels of rivers and streams, or is artificially diverted through canals and irrigation systems.

Based on information provided by CalPortland, depth to water ranges between 46 and 255 feet below ground surface. The Department of Water Resources (DWR) does not record depth to water for the area.

3.2.3. USDA Soil Survey

The USDA Soil Survey Map indicates that the site's soils are primarily composed of sandy loam. This soil type generally has slow infiltration rates and tend to be clay like in consistency.

3.3. Historical Use Information

History of the previous use of the property and surrounding area was researched in order to help identify the likelihood of past uses that may have resulted in RECs in connection with the Property. The following standard historical sources were reviewed to identify past use back to at least 1940, or when first developed.

- Aerial photographs (Appendix K)

  Years reviewed: 1963, 1973, 1977, 1986, 1995, 2005, 2009, 2010, and 2012

- City directories (Appendix C)

  The City Directory Search was not available for this Property.

- Sanborn fire insurance maps (Appendix C)

  Sanborn Fire Insurance Maps were not available for this Property.

- Interview (Appendix M)

  An interview questionnaire was received by Brian Males, Environmental Manager for the CalPortland Mojave facility. He has been an employee of the facility for 20 years. The completed questionnaire is included in Appendix M.

3.4. Historical Use Information on Adjoining Properties

Historically the Property and surrounding properties have been vacant land with the exception of the CalPortland Mojave mine cement plant and surrounding windmills.

4. SITE RECONNAISSANCE

4.1. Methodology and Limiting Conditions

Ryan Santos, geologist for CalPortland, led an escorted site reconnaissance conducted on June 12, 2017 by Darylyn Dierberger and Stephanie Gillaspy of Provost & Pritchard Consulting Group to document the physical setting of the site, verify information obtained from the agency records, and obtain site-specific information where no records were available. The objective of a site reconnaissance is to obtain information indicating the likelihood of identifying RECs in connection with the subject property.

Table 2 lists the observations noted during the site reconnaissance. The photographs of the Property are in Appendix A.

4.2. General Site Setting

Table 2-Site Observations

Checked	Observations	Remarks
√	Property boundaries	Defined by roads and fences.
√	Location and boundaries of onsite operations (present and past)	The property is surrounded by dirt roads
√	Foundations of former structures	None observed.
√	Underground storage tanks	None observed
√	Aboveground storage tanks	None observed.
√	Storage areas (including empty drum storage)	None observed.
√	Odors	None observed
√	Pools of liquids (including standing surface water)	None observed.
√	Electrical or hydraulic equipment suspected to contain PCBs	None observed.
√	Hazardous substances and petroleum products in connections with identified uses	None observed.

Checked	Observations	Remarks
	water)	
√	Electrical or hydraulic equipment suspected to contain PCBs	None observed.
√	Hazardous substances and petroleum products in connections with identified uses	None observed.
√	Hazardous substances and petroleum products in connections with unidentified uses	None observed.
√	Stained soils and pavement, corrosion and degradation of floors and walls	None observed.
√	Drains and sumps	None observed.
√	Pits, ponds, and lagoons	None observed.
√	Surface drainage pathways	Lower than the surrounding area on the north. Several seasonal drainages are present. Surface pathways vary.
√	Stress vegetation (from something other than insufficient water)	None observed.
√	Solid waste and waste water	None observed
√	Septic system	None observed
√	Potable water supply	None observed
√	Wells (including dry wells, domestic and irrigation wells, injection wells and monitoring wells)	2 dewatering wells in the quarry, 2 potable water wells, and 3 process water wells.

4.3. Exterior Observations

The periphery of the property was observed to evaluate evidence of an avenue for the disposal of hazardous substance or petroleum products. No pathway was observed.

4.4. Interior Observations

Not applicable- no structures were entered.

5. INTERVIEWS

5.1. Interview with Owners

No interviews with owners were completed.

5.2. Interview with Site Manager

An interview questionnaire was received by Brian Males, Environmental Manager for the CalPortland Mojave facility. He has been an employee of the facility for 20 years. The completed questionnaire is included in Appendix M.

5.3. Interviews with Occupants

No interviews with occupants were completed.

5.4. Interviews with Local Government Officials

Local agencies were contacted for records and not interviewed.

5.5. Interviews with Others

No interviews with others were conducted.

6. FINDINGS AND OPINION

The Property has been primarily vacant since the 1950's, based on aerial photographs. The adjacent CalPortland Mojave Facility has been operational since the 1950's. The project Property is not listed on the state or federal databases searched by EDR. The adjacent CalPortland cement plant is listed in the SWEEPS UST database for six gasoline and one diesel fuel tank and one fuel oil tank.

The EDR Vapor Encroachment Screen was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property involved in Real Estate Transactions (E-2600-10). The Screen was not available for the Property or adjacent properties.

7. DATA GAPS

The tax assessor records were not reviewed.

8. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM E 1527-13 of the CalPortland Mojave Mine Life Extension Project in Kern County, California. Any exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

P&P has performed this ESA in general conformance with the scope and limitations of ASTM E 1527-13. This assessment has not revealed RECs regarding the Property.

9. ENVIRONMENTAL PROFESSIONAL STATEMENT

Provost & Pritchard Consulting Group declares that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in section 312.10 of 40 CFR Part 312.

Provost & Pritchard Consulting Group has the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

10. REFERENCES

Croft, MG, and Gordon, GV. 1968. Geology, Hydrology, and Quality of Water in the Hanford-Visalia Area, San Joaquin Valley, California. USGS Open-File Report.

Environmental Data Resources, Inc. (EDR), 6 Armstrong Road, Shelton, CT 06484.

Harden, DR. 1998. California Geology. Second edition. Prentice Hall.

11. ENVIRONMENTAL PROFESSIONAL(S) RESUME(S)

Darylyn Tachella

Associate Geologist

Education

- ✓ B.S. Geology
  California State University, Fresno
- ✓ Mathematics Major Coursework,
  California Polytechnic State University,
  San Luis Obispo
- ✓ A.S. Liberal Studies – Mathematics &
  Science, Cuesta College, San Luis
  Obispo, California

Registration/Certifications

- ✓ Geologist in Training, California, #636
- ✓ HAZWOPER (40 hours)

Areas of Expertise

- ✓ Environmental Science
- ✓ Geological Mapping
- ✓ Geographic Information Systems (GIS)
- ✓ XRD
- ✓ Petrography
- ✓ Field Mapping

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Professional Summary

Darylyn Tachella is an associate geologist at Provost & Pritchard. A recent graduate of California State University, Fresno, Ms. Tachella holds a bachelor's degree in geology. She has experience in environmental science, geological mapping, and geographic information systems (GIS). Her previous project experience includes geologic mapping for gold exploration in Mariposa County, and an undergraduate thesis on magma chemistry of Chaos Crags in Lassen Volcanic National Park.

Relevant Experience

Seepage Management for San Joaquin River Restoration Program, United States Bureau of Reclamation, CDM Smith, Merced County, California, Associate Geologist – Ms. Tachella is assisting the U.S. Bureau of Reclamation and the prime contractor staff in seepage management support on the San Joaquin River and bypasses. The scope of work generally includes site evaluations, baseline monitoring, and preliminary and 60% project designs. Specific work has included monitoring of shallow groundwater wells, review of data collection methods reports, agronomic evaluations, preparation of geologic logs and soil sampling from monitor wells and hydraulic conductivity testing, and preparation of appraisal level designs for farms impacted by seepage due to restoration flows.

Agricultural Well Conversions, Riverstone Development, Madera County, California, Associate Geologist – Ms. Tachella is providing geological support associated with the design and construction of two agricultural well conversions, well pumps and motors, site work, electrical, auxiliary power and controls.

Former Pacheco Oil Site, Kosmont Companies, Madera County, California, Associate Geologist – Ms. Tachella is assisting with the cleanup services of a former oil site located in Merced County. The project includes groundwater well installation, sampling and reporting, remediation of arsenic and hydrocarbons in the soil and groundwater.

PCE Assessment and Cleanup, City of Merced, California, Associate Geologist – Ms. Tachella is assisting with the quarterly reporting required as part of the PCE (dry cleaning solvent) soil and groundwater cleanup program involving six dry cleaners in the downtown area of the City of Merced. The reporting consists of intensive quality assurance/quality control reviews of data gathered by others, quarterly generation of perchloroethylene (PCE) isopleths and groundwater maps for several identified aquifer zones, and hydrographs for shallow zone wells. Quarterly PCE and groundwater data is analyzed with respect to hydrostratigraphical setting, monitoring well construction details, and historical data to determine trends. The report is prepared on behalf of the City of Merced and is submitted to the Central Valley Regional Water Quality Control Board.

South and Highland Basin, Consolidated Irrigation District, Fresno County California, Associate Geologist – Ms. Tachella assisted with well pump testing and groundwater quality testing. This project involved the evaluation of 75-acre groundwater property for development as a groundwater banking facility. The feasibility study included subsurface geologic investigation, evaluation of source water supply availability, preliminary facility design alternatives, construction cost estimates, banking operation, cost/benefit analysis, baseline groundwater monitoring around the project, establishment of a well monitoring network, Phase testing, well pump testing, and identification of possible banking partners. As

part of the study, the project team presented feasibility study information to the district's Board of Directors, and conducted a neighboring landowner meeting.

Local Groundwater Assistance (LGA) Grant Application, Tranquility Irrigation District, Fresno County, California, Associate Geologist – Ms. Tachella assisted with preparation and submission of a grant application to the Department of Water Resources for funding to construct monitoring wells. Funding would be provided through the Local Groundwater Assistance Fund, established by AB 303.

Geologic Mapping, Fremont Gold Mining, Mariposa, California, Consultant – Ms. Tachella worked as an independent geologic mapping consultant for Fremont Gold Mining in Mariposa, California. Responsibilities included field observation mapping and documentation, hand sample collection, and compilation of data. Final products were used to evaluate the potential of further harvesting of gold in the area.

Stephanie Gillaspy, EIT

Project Manager

Education

- ✓ Masters in Business Admnistration, University of Phoenix, Fresno, California
- ✓ B.S. Environmental Engineering, University of California, Riverside

Registration/Certifications

- ✓ Engineer-in-Training, California #122205
- ✓ HAZWOPER (40 hours)

Areas of Expertise

- ✓ Phase I, II & III Environmental Site Assessments
- ✓ Groundwater Assessments
- ✓ Remediation Systems
- ✓ Reports of Waste Discharge
- ✓ Site Plan Reviews

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Professional Summary

Stephanie Gillaspy is an assistant engineer and environmental specialist at Provost & Pritchard, with over twleve years of experience in environmental assessment and remediation field activities. She is knowledgeable of regulatory issues with Central Valley cities and counties, the Regional Water Quality Control Board, and the San Joaquin Valley Air Pollution Control District. Ms. Gillaspy has completed over 100 Phase I and Phase II environmental site assessments, and has field experience in soil and groundwater assessment and remediation, and planning experience in the preparation of site plan review documents.

Relevant Experience

Phase I ESA, Academy Ranch, Clovis, California, Project Manager – Ms. Gillaspy conducted a Phase I ESA for property located southeast of McKinley Avenue and Academy Avenue in Fresno County. Academy Ranch is in the process of purchasing the parcel and was in need of a Phase I.

Phase I ESA for Future Municipal Well Sites, City of Fresno, California, Project Manager – Ms. Gillaspy was responsible for overseeing the preparation of four Phase I ESAs for the City of Fresno's Water Division. The property assessed was for future municipal well sites on San Madele Avenue, Bullard Avenue, Sussex Avenue and Weber Avenue. The San Madele and Bullard Avenue sites contained houses to be demolished if the test well produced sufficient clean water. The houses were in good condition but built in the late 1970s, so lead-based paint and asbestos-containing materials testing was recommended before the demolition of the house. The Sussex Avenue property was an empty lot between businesses. The Weber Avenue property was a gas station constructed in the 1960s. No records indicated that the underground storage tanks were removed. Ground Penetrating Radar (GPR) was recommended to locate underground storage tanks. All four Phase Is were completed within a short time frame and under budget.

Phase I ESA for Treat Property, City of Merced, California, Project Manager – Ms. Gillaspy was responsible for the preparation of an All Appropriate Inquiry (Phase I ESA) for property the City of Merced was in the process of purchasing for the expansion of Yosemite Avenue at the intersection with Highway 59. Multiple APNs assigned to the property over the years made it difficult to track down historical records. An unused water well was located onsite and recommended to be properly destroyed prior to construction of the road expansion.

Phase II & Phase III PCE Remediation System Optimization and Groundwater Monitoring and Reporting in Downtown Turlock, City of Turlock, California, Environmental Specialist – Ms. Gillaspy provided environmental services for this optimization project in order to increase the rate of removal of perchloroethylene (PCE) contamination in the groundwater by increasing the pump rate of the City's existing remediation system's shallow tray air stripper. Further, this project includes associated groundwater monitoring over a three-year period to assess the effectiveness of the remediation system by measuring concentrations of PCE, TCE, and other related breakdown chemicals within downtown Turlock. Provost & Pritchard is currently in the second year of this three-year project.

Phase I ESA along Dakota Avenue, Community Regional Medical Center, Fresno, California, Project Manager – Ms. Gillaspy was responsible for conducting a Phase I ESA at 1925 E. Dakota Avenue on the Community Regional Medical Center campus in Fresno. Historical records indicated a UST was onsite in the 1970's but further investigation found the UST had been properly removed with clean soil samples. An additional lead based paint and asbestos containing materials survey was recommended based on the age of the property.

Phase I & II Environmental Site Assessments, Industrial Building, Fresno, California, Project Manager – Ms. Gillaspy led the project team responsible for the completion of Phase I and II ESAs of a 50,000-square-foot industrial property located adjacent to railroad tracks in Fresno, California. The owner provided Phase I ESA and Phase II ESA to our client which identified RECs on site that appeared to warrant further investigation. Additional areas of concern were identified after a site visit and review of the Phase I and II. Ms. Gillaspy recommended that soil samples up to 20 feet below ground surface should be collected and analyzed for petroleum hydrocarbons and Stoddard solvents at several locations due to the potential of releases based on the historical use and businesses identified in the area. A lead-based paint and asbestos containing materials survey were also recommended and completed within the project timeline. Additional investigation into the onsite underground storage tank (UST) was completed by discussion closure options with the Fresno County Environmental Health Department. Based on the location of the UST, the best option for abandonment was in-place closure once it has been verified the soil was clean surrounding the UST. Geoprobe drilling down to 20 feet below ground surface soil samples were collected for this investigation. Chemicals of concerns were identified in additional locations identified in the Phase II ESA provided by the owner. Upon receiving the laboratory results for the drilling, our client decided against purchasing the property due to future liability.

Phase I Environmental Site Assessment, Gateway Village, Madera, California, Environmental Specialist – Ms. Gillaspy was responsible for the completion of an environmental site assessment for a proposed master-planned community covering over 2,000 acres.

Phase I Environmental Site Assessment, Ito Packing Company, Reedley, California, Environmental Specialist – This project consisted of completing an environmental site assessment for an existing packing plant. Historical underground storage tanks were removed prior to permits. Ms. Gillaspy worked closely with the client to complete the report in a short timeframe.

Phase I Environmental Site Assessment, Kings River Resorts, Inc, Kingsburg, California, Environmental Specialist – Ms. Gillaspy completed an environmental site assessment for an existing recreational vehicle park along the Kings River. She worked closely with the client to complete the report in a short timeframe.

Kings County Site Plan Review, Southeast Ranch, Stratford, California, Environmental Specialist – Ms. Gillaspy was responsible for project planning and completing a site plan review application to Kings County standards. She also completed the report of waste discharge for the client for submittal to the Regional Water Quality Control Board. A preliminary nutrient management plan and a waste management plan were completed. The project included perched groundwater constraints.

Kings County Site Plan Review, John L. Fragoso & Sons Dairy, Hanford, California, Project Manager – Ms. Gillaspy was responsible for project planning and completing a site plan review application for an expanding dairy to the Kings County standards. She also completed the report of waste discharge for the client for submittal to the Regional Water Quality Control Board. During this project, a preliminary nutrient management plan and waste management plan were completed.

Water Supply Study, White Paper, City of Clovis, California, Project Engineer – Ms. Gillaspy assisted the project manager in completing a water supply study report for the City of Clovis. Project responsibilities also included the preparation of Power Point slides for presentations to the City.

Report of Waste Discharge, Riverstone (formerly known as Gateway Village), County of Madera, California, Project Engineer – Ms. Gillaspy prepared a report of waste discharge for submittal to the Regional Water Quality Control Board. The report included water balance calculations to determine nutrient loading, percolation rates, and storage capacities.

Groundwater Monitoring Network Plan, Ito Packing Company, Reedley, California, Project Engineer – Ms. Gillaspy worked with the Regional Water Quality Control Board to obtain approval for a monitoring well network plan for land disposal area. The project included the installation of three monitoring wells on-site, and completion of a post-construction report for the monitoring well.

Phase II Environmental Site Assessment, Rosendahl Dehydrator, Caruthers, California, Environmental Specialist – This project consisted of the completion of an environmental site assessment and cleanup of diesel impacted soils. Ms. Gillaspy's project responsibilities included coordination with the Regional Water Quality Control Board to complete cleanup of the site in less than two months.

Report of Waste Discharge, Batth Dehydrator, Caruthers, California, Project Manager – Ms. Gillaspy provided regulatory compliance assistance to the client in a short timeframe in order to guarantee financing for purchase of the dehydrator. In order to achieve this, a new waste discharge permit was needed. While working with the Regional Water Quality Control Board, the report of waste discharge was deemed complete within 30 days of submittal.

Report of Waste Discharge, Sunview Cold Storage, Kern County, California, Project Manager – Ms. Gillaspy was responsible for Regional Water Quality Control Board compliance for adding a reverse osmosis unit to a system operation. The report included water balance calculations to determine nutrient loading rates for associated cropland.

Groundwater Monitoring Network Plan, Del Rey Packing, Del Rey, California, Project Manager – Ms. Gillaspy worked with the Regional Water Quality Control Board to obtain approval for a monitoring well network plan for a land disposal area. The project included installation of three monitoring wells on-site and completion of a post-construction report for the monitoring well.

Kings County Site Plan Review, David teVelde Dairy, Hanford, California, Project Manager – Ms. Gillaspy was responsible for project planning and completing a site plan review application to the Kings County standards. During this project, Ms. Gillaspy completed an updated a report of waste discharge for the client for submittal to the Regional Water Quality Control Board. The project included 100-year flood zone issues. A preliminary nutrient management plan and waste management plan were also completed.

Kings County Site Plan Review, Lakeview Calf Ranch, Hanford, California, Project Manager – Ms. Gillaspy was responsible for project planning and completing a site plan review application to the Kings County standards. As part of this project, a report of waste discharge was completed for client for submittal to the Regional Water Quality Control Board. A preliminary nutrient management plan and waste management plan were also completed.

Underground Storage Tank Cleanup, Redevelopment Agency, City of Merced, California, Project Manager – This project consists of the clean-up of impacted groundwater and soil, and maintenance of the soil vapor extraction (SVE) system operation. Ms. Gillaspy has been responsible for coordination of the installation of a new ozone sparge system with multiple subcontractors. In addition, she has maintained constant contact with the client throughout the process, and performs quarterly groundwater monitoring and prepares reports for the Regional Water Quality Control Board. Ms. Gillaspy also prepared a feasibility study, a final remediation plan, and remediation system updates.

PCE Remediation and Reporting, Seven Dry Cleaners, City of Merced, California, Project Manager – Based on the Regional Water Quality Control Board settlement agreement with the City of Merced, seven different dry cleaner sites were evaluated to determine the level of importance to remediate the impact of perchloroethylene (PCE). Working closely with the City of Merced's annual work plan, Parkway Cleaners was determined to be the highest importance for remediation. The SVE system was upgraded to include more vapor wells, and an ozone sparge system was installed. The SVE wells were added to the operation in December 2009, and ozone sparge wells will be added accordingly. Quarterly monitoring reports are also coordinated and submitted to the Regional Water Quality Control Board.

David Norman

Environmental Specialist

Education

- ✓ B.S. Geology, San Jose State University, California
- ✓ B.A. Management & Organizational Development, Fresno Pacific University, California

Registration/Certifications

- ✓ HAZWOPER (40 hours)

Affiliations

- ✓ National Water Well Association
- ✓ Mountain Counties Water Resources Association
- ✓ Groundwater Resources Association

Areas of Expertise

- ✓ Expert Witness in Site Assessments
- ✓ Groundwater Monitoring
- ✓ Groundwater Quality
- ✓ Environmental Site Assessments
- ✓ Environmental Remediation
- ✓ Brownfields Studies
- ✓ Environmental Science
- ✓ Public Outreach

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Professional Summary

Dave Norman has over 30 years of experience providing environmental and engineering consulting services for clients throughout California. His expertise encompasses regulatory compliance, site assessments, human health risk assessments, and remedial action. In addition, he has managed a wide range of Brownfields and redevelopment projects for many small to medium-sized cities in the central valley. Brownfields projects have ranged from significant gasoline impacts requiring assessment and remediation to the simultaneous assessment and cleanup of seven dry cleaner sites. Mr. Norman has extensive experience with a wide range of environmental assessment and compliance for project sites such as processing locations for a large winery organization, former firing ranges, burn dumps, and landfills. He also has experience with civil and development projects including pavement assessments and management plans for Yosemite National Park.

Mr. Norman has represented clients in front of city councils and county counsels, school boards, and state and federal agencies such as the U.S. Environmental Protection Agency, Regional Water Quality Control Board (RWQCB) and California Department of Toxic Substance Control (DTSC).

Relevant Experience

Phase I, Phase II and Risk Assessments

Phase I Environmental Site Assessment for San Madele Well Site, City of Fresno, California, Technical Reviewer – Mr. Norman provided technical oversight and reviews for the preparation of a Phase I environmental site assessment (ESA) for the City of Fresno's Water Division. The property assessed was for a new domestic well site on San Madele Avenue. The house was to be demolished if the test well drilled produced sufficient clean water. Recommendations were given based on the plan for the house. The house was in good condition but built in 1979, so lead-based paint and asbestos containing materials testing was recommended before the demolition of the house. The Phase I ESA was completed within a short timeframe and under budget.

Phase I & II Environmental Site Assessments for Crop Dusting Facility, Western Fresno County, California, Technical Reviewer – Mr. Norman is currently providing technical oversight and reviews for a Phase I ESA and a limited Phase II ESA for a western agriculture aviation property in western Fresno County. The property includes a crop dusting airport and runway. Based on the history of the site, soil samples were taken in areas of potential contamination. Significant detections for Toxaphene and Endosulfan were found in various places. Price estimates were calculated to estimate the approximate cost to clean up the contaminants of concern.

Phase I & II Environmental Site Assessments, Marl Springs, Mojave National Preserve, Mojave, California, Project Manager – Mr. Norman was responsible for completing a Phase I and II ESA and a human health risk assessment of a historic mine. The Marl Springs area of the Mojave National Preserve is the site of the only potable water supply for over 100 miles. The spring was used by early California explorers and mule trains to rest and water horses. Marl Springs is also the site of historic gold and silver mining. The Mojave National Preserve discovered that lead and other heavy metals were present in elevated concentrations requiring further action. The main concerns were whether the concentrations were a human or ecological risk to visitors and

the endangered desert tortoise that occupied the park. A human health risk assessment was conducted. In addition, a visitor study to evaluate the visitor travel patterns through the area was conducted. The combination of both studies was used to develop a site specific exposure scenario which showed that the exposure thresholds for lead and other heavy metals were below human health risk levels, and the ecologic risk was low for the desert tortoise and other animals because the limited uptake of metals by native plants was insignificant.

Hazardous Waste Evaluations, Red Fir Maintenance Facility, Sequoia National Park, California, Project Manager – Mr. Norman conducted several soil assessments at the Red Fir facility in support of a waste management program to evaluate potential locations for historic dumping of waste chemicals and hydrocarbons. As a result of the assessments, the area was cleared of potential remediation or other actions.

Phase II Environmental Site Assessment, Health Risk Assessment and Site Closure, Zymex Industries, Merced, California, Project Manager – Zymex Industries was interested in purchasing a parcel of land at the Airport Redevelopment Business Park from the City of Merced to construct a new tomato processing plant. The parcel and surrounding area was the location of the former Merced Rod and Game Club. For over 50 years, skeet and trap shooting was conducted at the site. Elevated concentrations of lead from the accumulations of lead shot and bullets were detected at the site after the City had conducted several remediation efforts. Mr. Norman assisted the client with formulating an agreement with the DTSC to provide oversight for a self-directed assessment, human health risk assessment and site closure through the department's voluntary cleanup program. Over 75 samples were collected and analyzed for lead, nickel and other compounds associated with clay pigeons and ammunition. On the basis of the results, a human health risk assessment was prepared finding no significant increase in risk. The DTSC issued a site closure letter free of title restrictions and the tomato packing plant was constructed.

Pollution Prevention Planning, Sequoia and Kings Canyon National Park, California, Project Manager, Lead Technical Writer – For this project, Mr. Norman focused on documenting and evaluating the waste streams for the Sequoia and Kings Canyon National Parks and developing waste minimization strategies, recycling opportunities and waste reuse plans. All of the parks' facilities including maintenance, water treatment and wastewater treatment facilities, and former landfill sites were reviewed for chemical and non-chemical waste. The project resulted in the publishing of park-wide Pollution Prevention Opportunity Assessment, and the implementation of new waste minimization programs including a one-pound propane cylinder disposal education program.

Total Petroleum Hydrocarbon Soil Assessment, Sequoia National Park, Crystal Cave, California, Project Manager– Crystal Cave is one of many naturally sensitive caves located in the Sequoia and Kings Canyon National Parks, and is one of only two open to the public for guided tours. In the early 1900s, the park installed a generator to provide electric power to a lighting system. Due to its remote location and difficult access all fuel was hand carried to the site. In the 1940s, an in-ground power line was installed and the generator was removed from service but left in place. Over the years the generator deteriorated and the remaining fuel and oil leaked from its tanks. In 2005, the park dismantled the generator and removed it by hand. During the process impacted soil was encountered underneath and surrounding the generator. Mr. Norman assisted the park in assessing the extent of impact and negotiated with the local county to allow for the impacted soil to be removed slowly (bucket by bucket) during the closed season and stored to later use in asphalt for park road projects. Over two closed (winter) seasons the soil was removed and the project was closed by the county. All equipment, including waste, samplers and replacement soil, was hand carried to the site in buckets with a 20 pound weight limit.

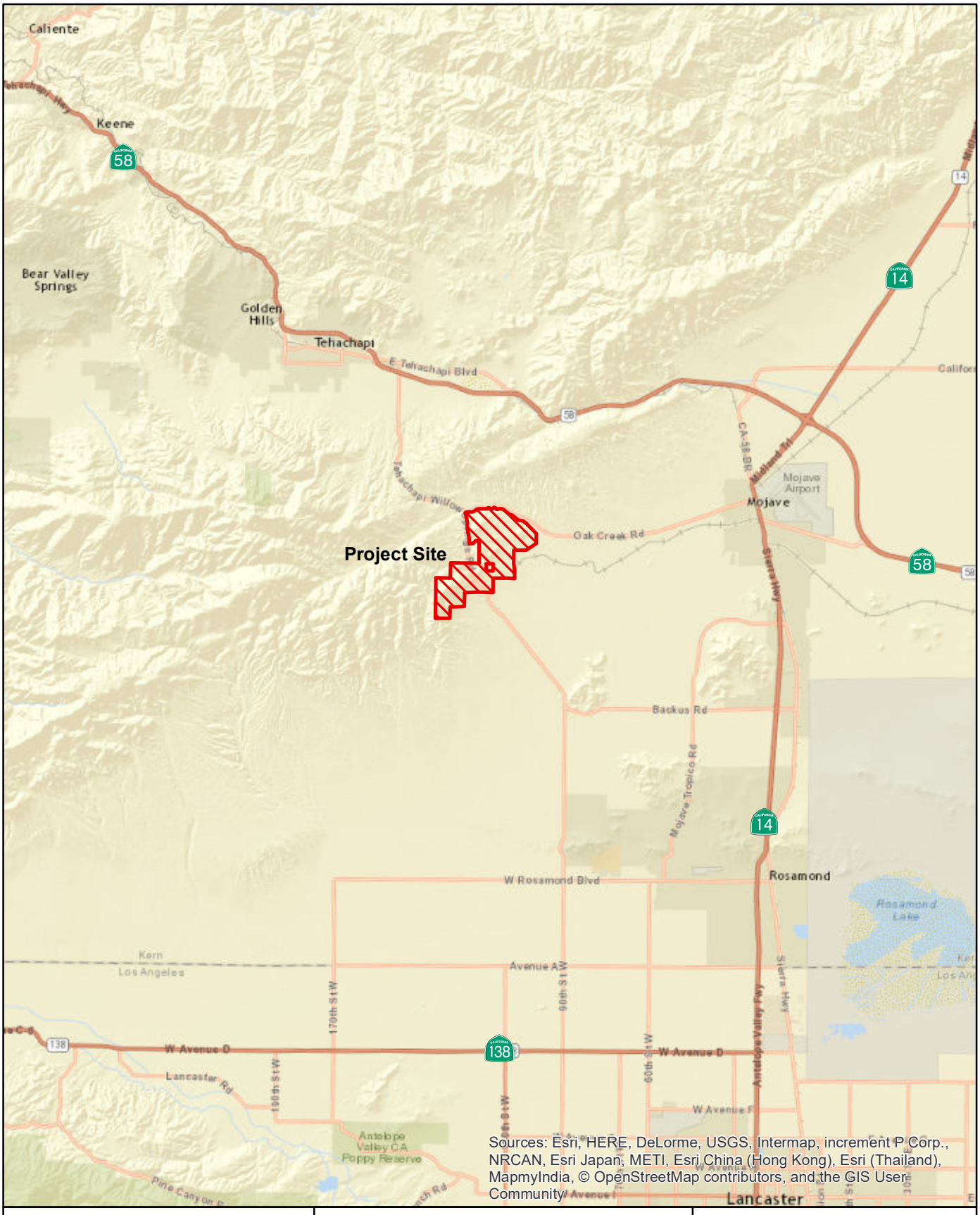
Environmental Assessment & Remedial Services, City of Merced, California, Principal-in-Charge – Mr. Norman is responsible for overseeing environmental assessment and remedial services for the City of Merced's R Street leaking UST assessment, remediation and site closure project. Project responsibilities include project and funding management (Brownfields Cleanup Grant, UST Fund and city redevelopment funds), quarterly monitoring and reporting, communication with the RWQCB, preparation of a focused feasibility study, groundwater monitoring, and the preparation of the final remedial plan (FRP) and implementation of the selected remedial remedy for the project site. The site is comprised of two gasoline stations and a total petroleum hydrocarbons (TPH) and methyl tert-butyl ether (MTBE) plume over half a mile in length. The remedial action includes the installation and operations of two soil vapor extraction (SVE) and ozone injection systems.

APPENDIX A

Vicinity Map

Site Map

Site Photographs



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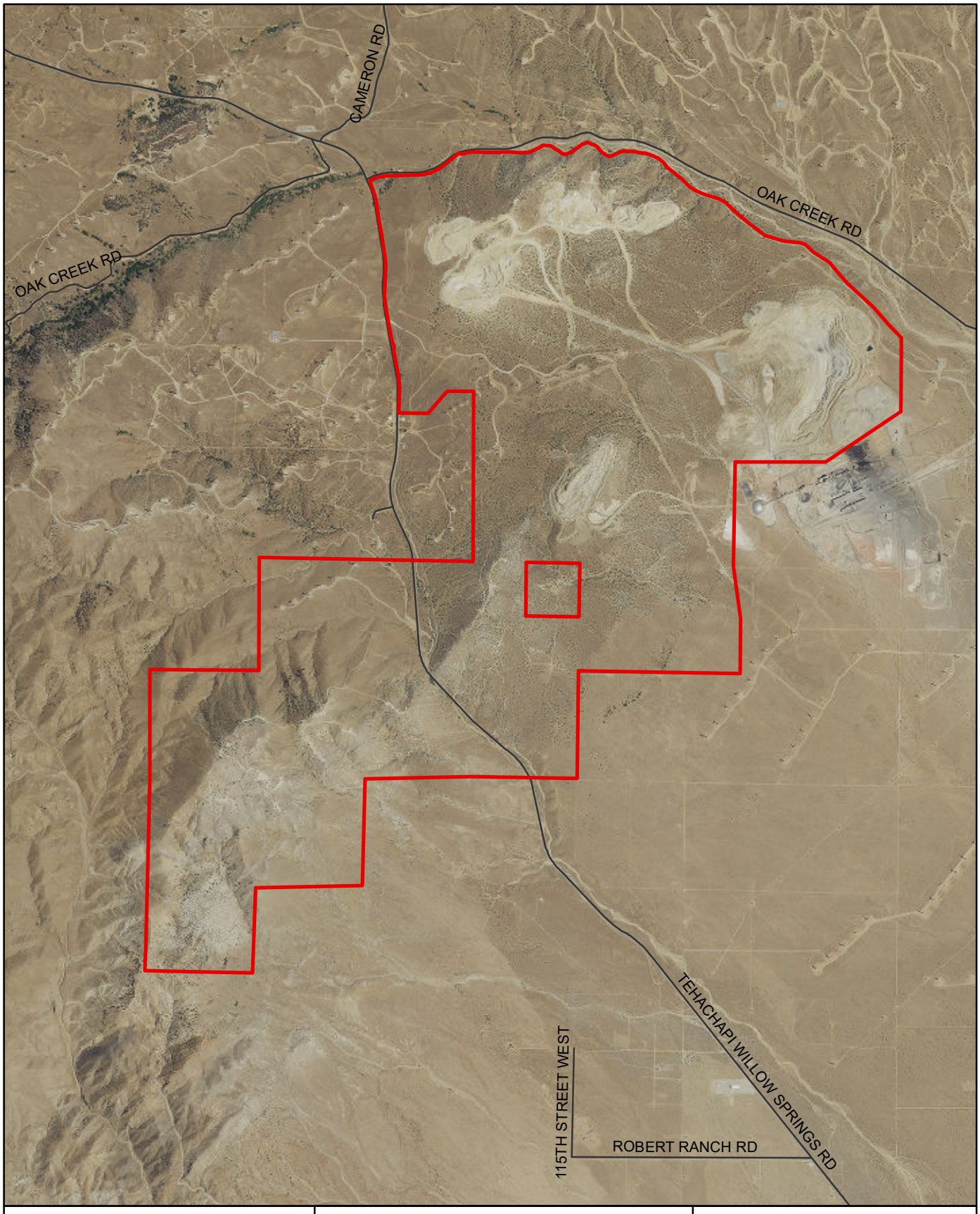
Project Area

Vicinity Map

Cal Portland Mojave Mine Expansion

Phase I ESA

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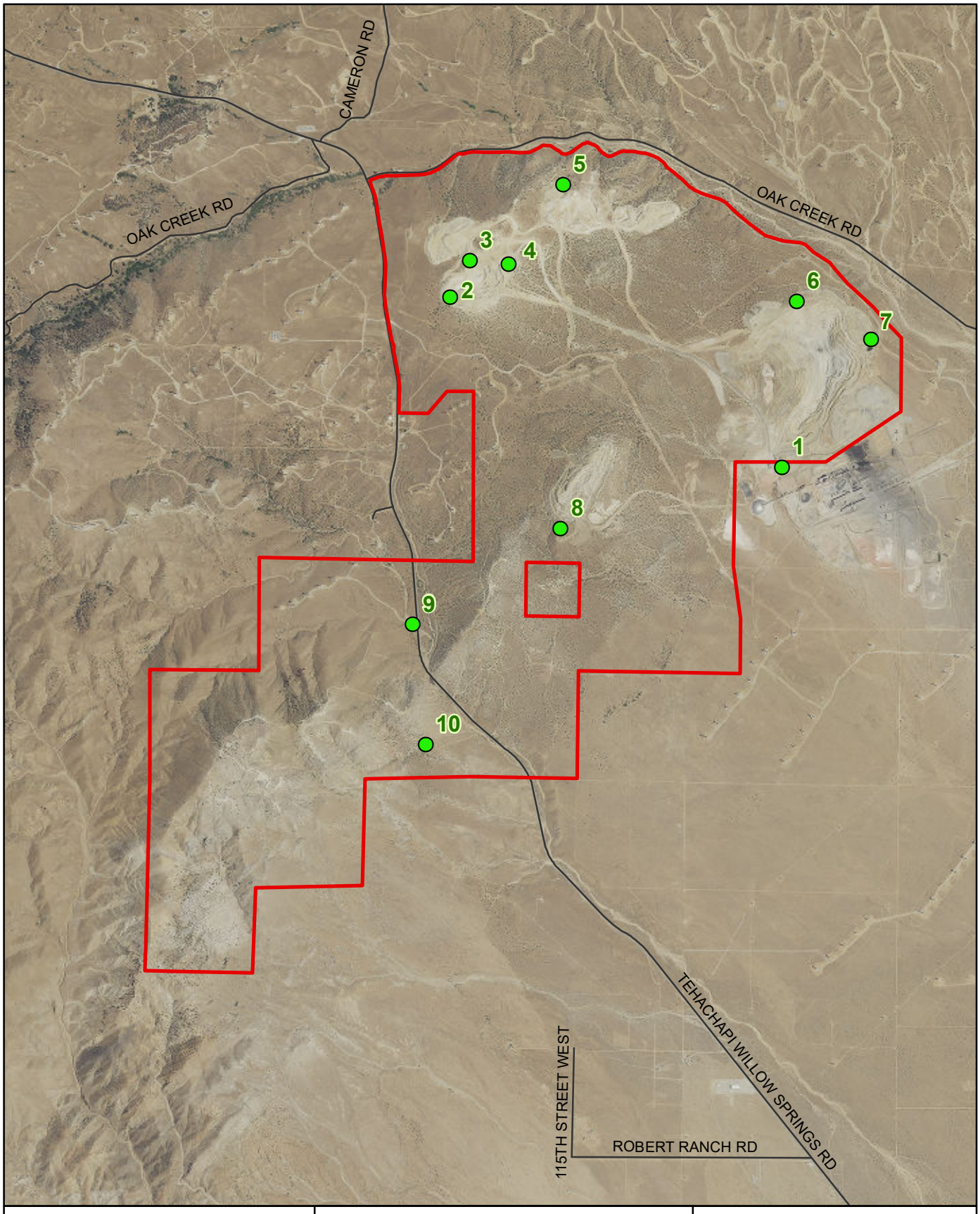
Project Area

Site Map

Cal Portland Mojave Mine Expansion

Phase I ESA

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Photo Location
Project Area

Photo Location Map

Cal Portland Mojave
Mine Expansion

Phase I ESA

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Site Visit Photographs

June 12, 2017

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company

Location 1





Location 1



Location 2



Location 2





Location 2



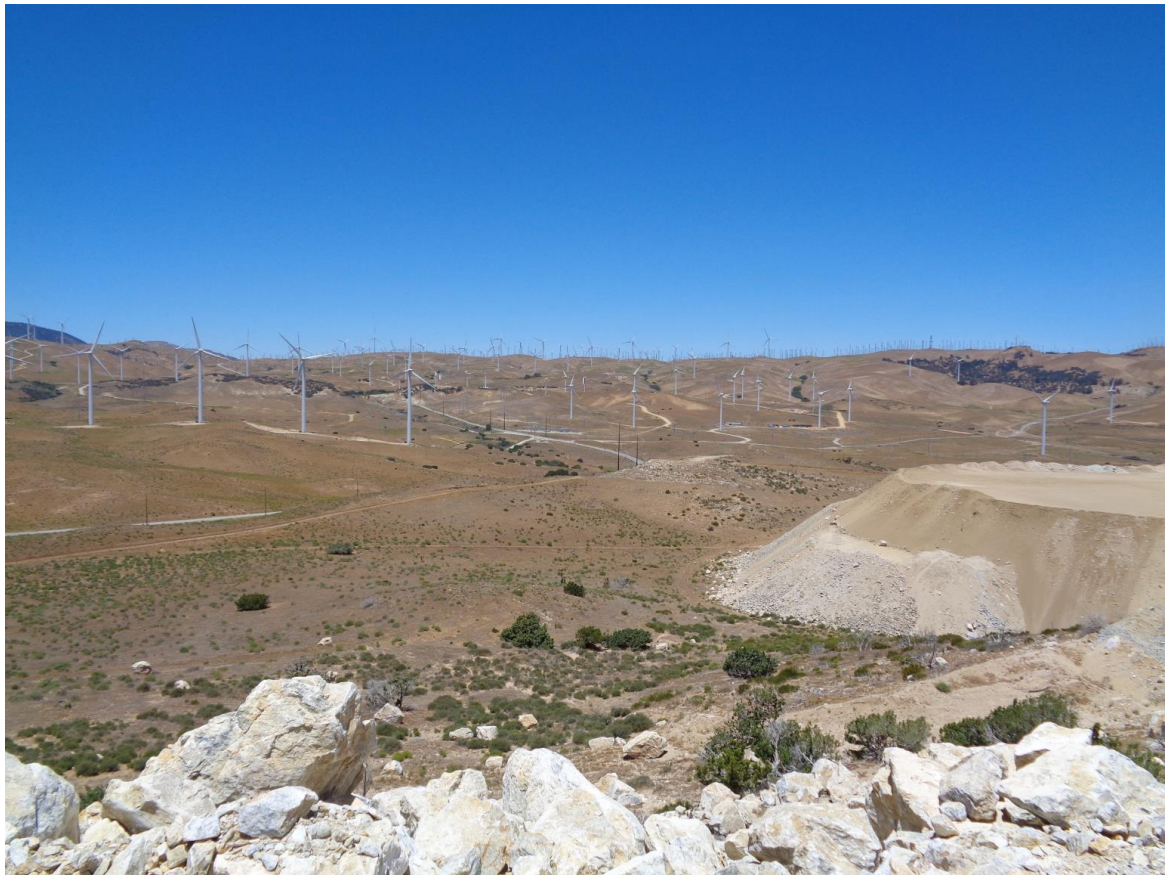


Location 2





Location 3





Location 3





Location 4





Location 4



Location 5



Location 5





Location 5





Location 6





Location 6





Location 6



Location 7



Location 7



Location 8



Location 8





Location 8





Location 8



Location 9



Location 9




PRIVATE
PROPERTY
TRESPASSING, HUNTING, DUMPING AND USE OF MOTORIZED VEHICLES ARE PROHIBITED UNDER PENALTY OF LAW
Violators Will Be Prosecuted

Location 9





Location 10





Location 10





Location 10





Oak Creek Road at plant entrance drive





Oak Creek Road at plant entrance drive





APPENDIX B

Digital Map Products Property Detail Report

EDR Property Tax Map Report

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, MOJAVE, CA, 93501-

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 15, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-071-02**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 15**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$680,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$680,000**	Property Tax:	**$8,374**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**463.05**	Zoning:	**E(20) RS**	Land Use Code:	**440**
Assessor Lot SqFt:	**20,170,458**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**3961**
Calculated Acres:	**455.1767**	Sewer Type:			
Calculated Lot SqFt:	**19,827,497**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, MOJAVE, CA, 93501-

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 14, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-071-03**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 14**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$218,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$218,000**	Property Tax:	**$2,684**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**145.38**	Zoning:	**NR(20)**	Land Use Code:	**440**
Assessor Lot SqFt:	**6,332,752**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**8102**
Calculated Acres:	**142.6469**	Sewer Type:			
Calculated Lot SqFt:	**6,213,699**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, MOJAVE, CA, 93501-

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 14, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-071-04**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 14**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$647,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$647,000**	Property Tax:	**$7,967**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**480**	Zoning:	**NR(20)**	Land Use Code:	**500**
Assessor Lot SqFt:	**20,908,800**	No of Buildings:		Land Use Desc:	**AGRICULTURAL (NEC)**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**5000**
Calculated Acres:	**479.7461**	Sewer Type:			
Calculated Lot SqFt:	**20,897,740**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

10335 OAK CREEK RD, MOJAVE, CA, 93501-7739

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 13, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-071-05**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 13**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$816,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$816,000**	Property Tax:	**$10,048**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**635.38**	Zoning:	**A-1**	Land Use Code:	**440**
Assessor Lot SqFt:	**27,677,152**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**3961**
Calculated Acres:	**626.6074**	Sewer Type:			
Calculated Lot SqFt:	**27,295,018**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

10335 OAK CREEK RD, MOJAVE, CA, 93501-7739

Owner Information:

Owner Name:	**MUSTANG HILLS LLC**

Mailing Address:	**1251 WATERFRONT PL FL 3RD, PITTSBURGH, PA, 15222-4228**
Vesting Code:	Phone Number:

Location Information:

Legal Description:

County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**80-1048373-004-4**	Alternative APN:		Map Ref:	
Twnshp-Rnge-Sect:	**- -**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:
1st Mtg Doc No:		2nd Mtg Int Type:
Sale Type:		
Deed Type:		
Title Company:		
Lender:		
Seller Name:		

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$33,082,420**	Assessed Year:	**2016**	Est Market Val:	
Land Value:		Property Tax:		Assessor Appd Val:	
Improvement Value:	**$33,082,420**	Improvement %:	**100**	Tax Exemption:	

Site Information:

Assessor Acres:		Zoning:		Land Use Code:	**880**
Assessor Lot SqFt:		No of Buildings:		Land Use Desc:	**UTILITIES**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**503**
Calculated Acres:	**626.6074**	Sewer Type:			
Calculated Lot SqFt:	**27,295,018**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

9350 OAK CREEK RD, MOJAVE, CA, 93501-7738

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**2025 E FINANCIAL WAY, LA PUENTE, CA, 91744-**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 24, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-073-01**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 24**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$132,607,070**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$850,000**	Property Tax:	**$2**	Assessor Appd Val:	
Improvement Value:	**$131,757,070**	Improvement %:	**99.35**	Tax Exemption:	

Site Information:

Assessor Acres:	**640**	Zoning:	**M-3**	Land Use Code:	**349**
Assessor Lot SqFt:	**27,878,400**	No of Buildings:		Land Use Desc:	**MINE/QUARRY**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**8102**
Calculated Acres:	**638.5724**	Sewer Type:			
Calculated Lot SqFt:	**27,816,214**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

14508 TEHACHAPI-WILLOW SPR RD, TEHACHAPI, CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 23, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-073-02**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 23**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$2,210,043**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$889,000**	Property Tax:	**$27,214**	Assessor Appd Val:	
Improvement Value:	**$1,321,043**	Improvement %:	**59.77**	Tax Exemption:	

Site Information:

Assessor Acres:	**640**	Zoning:	**A-1**	Land Use Code:	**320**
Assessor Lot SqFt:	**27,878,400**	No of Buildings:		Land Use Desc:	**HEAVY INDUSTRIAL**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**3961**
Calculated Acres:	**642.9762**	Sewer Type:			
Calculated Lot SqFt:	**28,008,043**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

14508 TEHACHAPI-WILLOW SPR RD, TEHACHAPI, CA, 93501-

Owner Information:

Owner Name: **ALITE WIND LLC**
Mailing Address: **1095 AVENUE OF THE AMERICAS, NEW YORK, NY, 10036-6797**
Vesting Code: Phone Number:

Location Information:
Legal Description:

County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**80-1038776-001-9**	Alternative APN:		Map Ref:	
Twnshp-Rnge-Sect:	**- -**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$8,380,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:		Property Tax:		Assessor Appd Val:	
Improvement Value:	**$8,380,000**	Improvement %:	**100**	Tax Exemption:	

Site Information:

Assessor Acres:		Zoning:		Land Use Code:	**880**
Assessor Lot SqFt:		No of Buildings:		Land Use Desc:	**UTILITIES**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**503**
Calculated Acres:	**642.9762**	Sewer Type:			
Calculated Lot SqFt:	**28,008,043**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

14508 TEHACHAPI-WILLOW SPR RD, TEHACHAPI, CA, 93501-

Owner Information:
Owner Name: **MUSTANG HILLS LLC**
Mailing Address: **1251 WATERFRONT PL FL 3RD, PITTSBURGH, PA, 15222-4228**
Vesting Code: Phone Number:

Location Information:
Legal Description:

County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	/
APN:	**80-1048373-003-5**	Alternative APN:		Map Ref:	

Twnshp-Rnge-Sect:	- -	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:		Sale Price:		1st Mtg Amount:	
Sale Doc No:		Price Per SqFt:		1st Mtg Int Type:	
Transfer Doc No:		Price Per Acre:		2nd Mtg Amount:	
1st Mtg Doc No:				2nd Mtg Int Type:	
Sale Type:					
Deed Type:					
Title Company:					
Lender:					
Seller Name:					

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$9,452,120**	Assessed Year:	**2016**	Est Market Val:	
Land Value:		Property Tax:		Assessor Appd Val:	
Improvement Value:	**$9,452,120**	Improvement %:	**100**	Tax Exemption:	

Site Information:

Assessor Acres:		Zoning:		Land Use Code:	**880**
Assessor Lot SqFt:		No of Buildings:		Land Use Desc:	**UTILITIES**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**503**
Calculated Acres:	**642.9762**	Sewer Type:			
Calculated Lot SqFt:	**28,008,043**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO CONTROLLER**
Mailing Address:	**2025 E FINANCIAL WAY, GLENDORA, CA, 91741-4692**
Vesting Code:	
Phone Number:	

Location Information:

Legal Description:	**SECTION 27, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-091-01**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 27**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$94,774**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$94,774**	Property Tax:	**$1,167**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**622.37**	Zoning:	**A WE**	Land Use Code:	**440**
Assessor Lot SqFt:	**27,110,437**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**3961**
Calculated Acres:	**644.7023**	Sewer Type:			
Calculated Lot SqFt:	**28,083,232**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO CONTROLLER**		
Mailing Address:	**2025 E FINANCIAL WAY, GLENDORA, CA, 91741-4692**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 26, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-091-02**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 26**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$27,145**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$27,145**	Property Tax:	**$334**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**154.04**	Zoning:	**A**	Land Use Code:	**500**
Assessor Lot SqFt:	**6,709,982**	No of Buildings:		Land Use Desc:	**AGRICULTURAL (NEC)**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**5000**
Calculated Acres:	**153.7077**	Sewer Type:			
Calculated Lot SqFt:	**6,695,507**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO CONTROLLER**		
Mailing Address:	**2025 E FINANCIAL WAY, GLENDORA, CA, 91741-4692**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 26, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-091-04**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 26**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$20,936**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$20,936**	Property Tax:	**$258**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**119.22**	Zoning:	**A**	Land Use Code:	**500**
Assessor Lot SqFt:	**5,193,223**	No of Buildings:		Land Use Desc:	**AGRICULTURAL (NEC)**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**5000**
Calculated Acres:	**118.7154**	Sewer Type:			
Calculated Lot SqFt:	**5,171,243**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 36, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-091-05**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 36**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$240,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$240,000**	Property Tax:	**$2,955**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**160**	Zoning:	**E(20) RS**	Land Use Code:	**440**
Assessor Lot SqFt:	**6,969,600**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**8102**
Calculated Acres:	**160.2305**	Sewer Type:			
Calculated Lot SqFt:	**6,979,641**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 25, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-091-17**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 25**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$234,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$234,000**	Property Tax:	**$2,881**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**156.13**	Zoning:	**A-1**	Land Use Code:	**440**
Assessor Lot SqFt:	**6,801,022**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**3961**
Calculated Acres:	**155.8312**	Sewer Type:			
Calculated Lot SqFt:	**6,788,007**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO CONTROLLER**
Mailing Address:	**2025 E FINANCIAL WAY, GLENDORA, CA, 91741-4692**
Vesting Code:	
Phone Number:	

Location Information:

Legal Description:	**SECTION 34, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-093-01-01**	Alternative APN:		Map Ref:	
Twnshp-Rnge-Sect:	**11 - 14 - 34**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$24,359**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$24,359**	Property Tax:	**$300**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**160**	Zoning:	**E(20) RS**	Land Use Code:	**500**
Assessor Lot SqFt:	**6,969,600**	No of Buildings:		Land Use Desc:	**AGRICULTURAL (NEC)**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**5000**
Calculated Acres:	**156.6732**	Sewer Type:			
Calculated Lot SqFt:	**6,824,685**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO CONTROLLER**
Mailing Address:	**2025 E FINANCIAL WAY, GLENDORA, CA, 91741-4692**
Vesting Code:	
Phone Number:	

Location Information:

Legal Description:	**SECTION 28, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-101-06-01**	Alternative APN:		Map Ref:	
Twnshp-Rnge-Sect:	**11 - 14 - 28**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$24,359**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$24,359**	Property Tax:	**$300**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**160**	Zoning:	**A**	Land Use Code:	**500**
Assessor Lot SqFt:	**6,969,600**	No of Buildings:		Land Use Desc:	**AGRICULTURAL (NEC)**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**5000**
Calculated Acres:	**179.3144**	Sewer Type:			
Calculated Lot SqFt:	**7,810,935**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

, , CA, -

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO CONTROLLER**		
Mailing Address:	**2025 E FINANCIAL WAY, GLENDORA, CA, 91741-4692**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 33, TOWNSHIP 11, RANGE 14, QUARTER**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-102-01**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 33**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	**WOOD**
Living Area:		Bedrooms:		Heat Type:	**YES**
Garage Area:		Baths:	**0**	Air Cond:	**YES**
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$96,572**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$96,572**	Property Tax:	**$1,189**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

Assessor Acres:	**634.24**	Zoning:	**E(20) RS**	Land Use Code:	**500**
Assessor Lot SqFt:	**27,627,494**	No of Buildings:		Land Use Desc:	**AGRICULTURAL (NEC)**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**5000**
Calculated Acres:	**633.3937**	Sewer Type:			
Calculated Lot SqFt:	**27,590,630**	Water Type:			

Property Detail Report for:

DIGITAL MAP PRODUCTS | Beyond Mapping

14964 TEHACHAPI WILLOW SPRINGS RD, MOJAVE, CA, 93501-

Owner Information:

Owner Name:	**CALIFORNIA PORTLAND CEMENT CO**		
Mailing Address:	**PO BOX 56607, ATLANTA, GA, 30343-0607**		
Vesting Code:		Phone Number:	

Location Information:

Legal Description:	**SECTION 22, TOWNSHIP 11, RANGE 14, QUARTER NE**				
County:	**KERN**	FIPS Code:	**06029**	Census Trct/Blk:	**006007 / 3**
APN:	**237-530-35**	Alternative APN:		Map Ref:	**-**
Twnshp-Rnge-Sect:	**11 - 14 - 22**	Legal Book/Page:		Tract No:	
Legal Lot:		Legal Block:			
Subdivison:					

Last Market Sale Information:

Sale Date:	Sale Price:	1st Mtg Amount:	
Sale Doc No:	Price Per SqFt:	1st Mtg Int Type:	
Transfer Doc No:	Price Per Acre:	2nd Mtg Amount:	
1st Mtg Doc No:		2nd Mtg Int Type:	
Sale Type:			
Deed Type:			
Title Company:			
Lender:			
Seller Name:			

Property Characteristics:

Building Area:		Total Rooms:		Construction:	
Living Area:		Bedrooms:		Heat Type:	
Garage Area:		Baths:	**0**	Air Cond:	
Basement Area:		Fireplace:		Roof Type:	
Parking Type:		No of Stories:		Roof Material:	
Yr Built/Effective:	/	Quality:		Style:	
Pool Code:					

Tax and Value Information:

Assessed Value:	**$92,000**	Assessed Year:	**2016**	Est Market Val:	
Land Value:	**$92,000**	Property Tax:	**$1,133**	Assessor Appd Val:	
Improvement Value:		Improvement %:		Tax Exemption:	

Site Information:

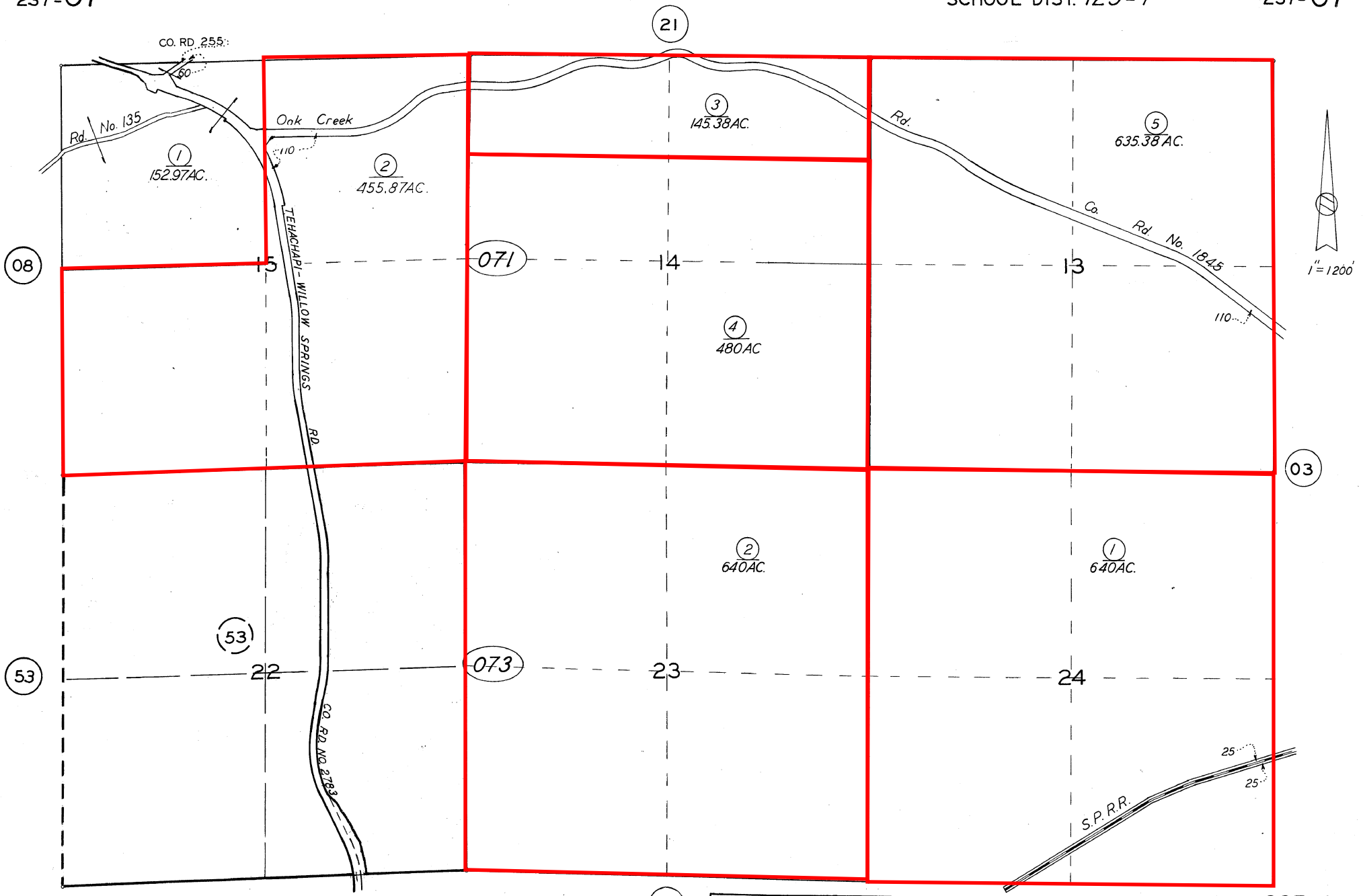
Assessor Acres:	**61.36**	Zoning:	**E(20) RS**	Land Use Code:	**440**
Assessor Lot SqFt:	**2,672,841**	No of Buildings:		Land Use Desc:	**INDUSTRIAL LOT**
Lot W/D:	**0 /**	Res/Comm Units:		County Use Code:	**3961**
Calculated Acres:	**61.5154**	Sewer Type:			
Calculated Lot SqFt:	**2,679,611**	Water Type:			

237-07

T.11N. R.14 W.

SCHOOL DIST. 125-7

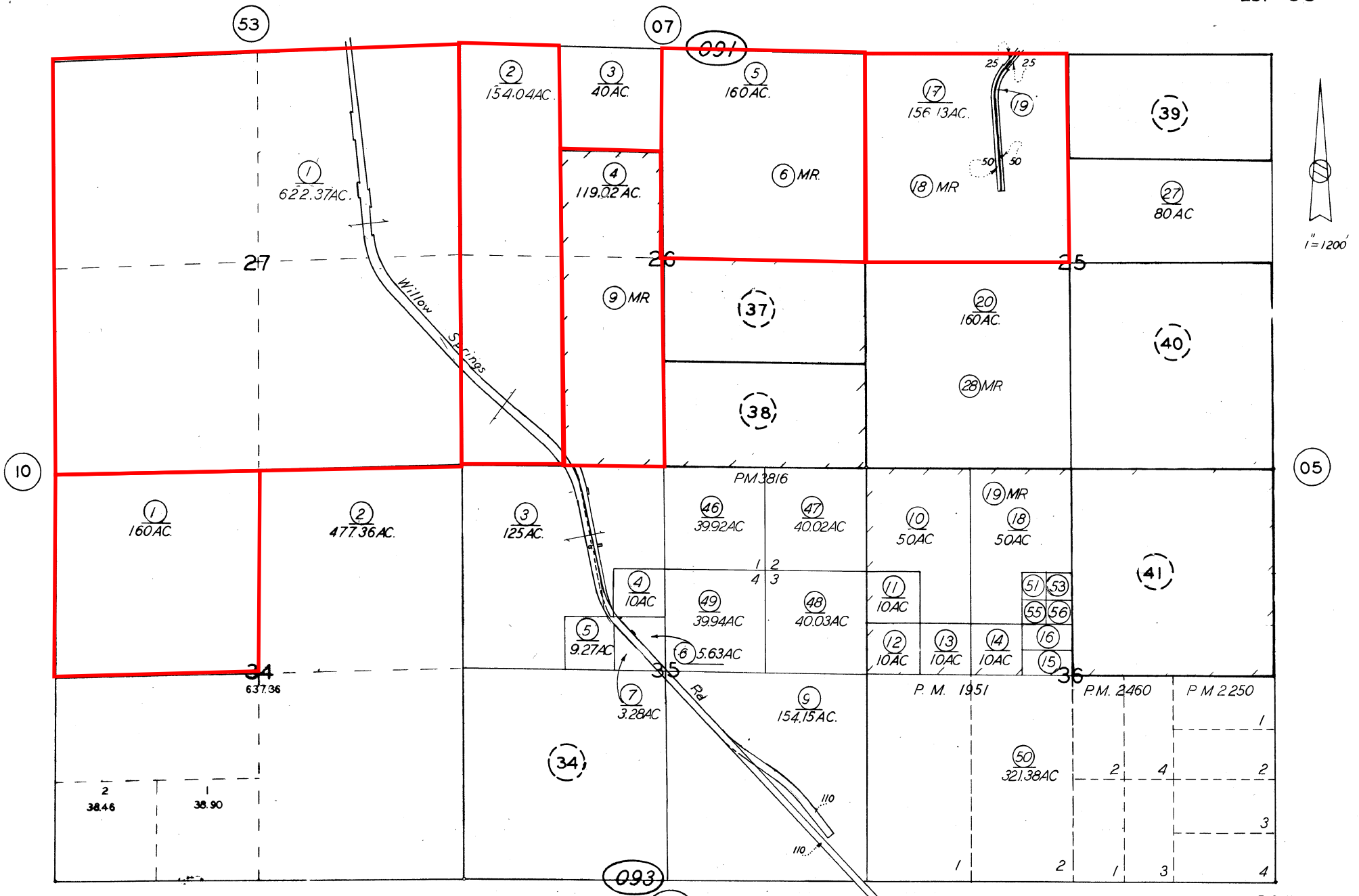
237-07



Note: This map is for assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.

ASSESSORS MAP NO. 237-07
COUNTY OF KERN

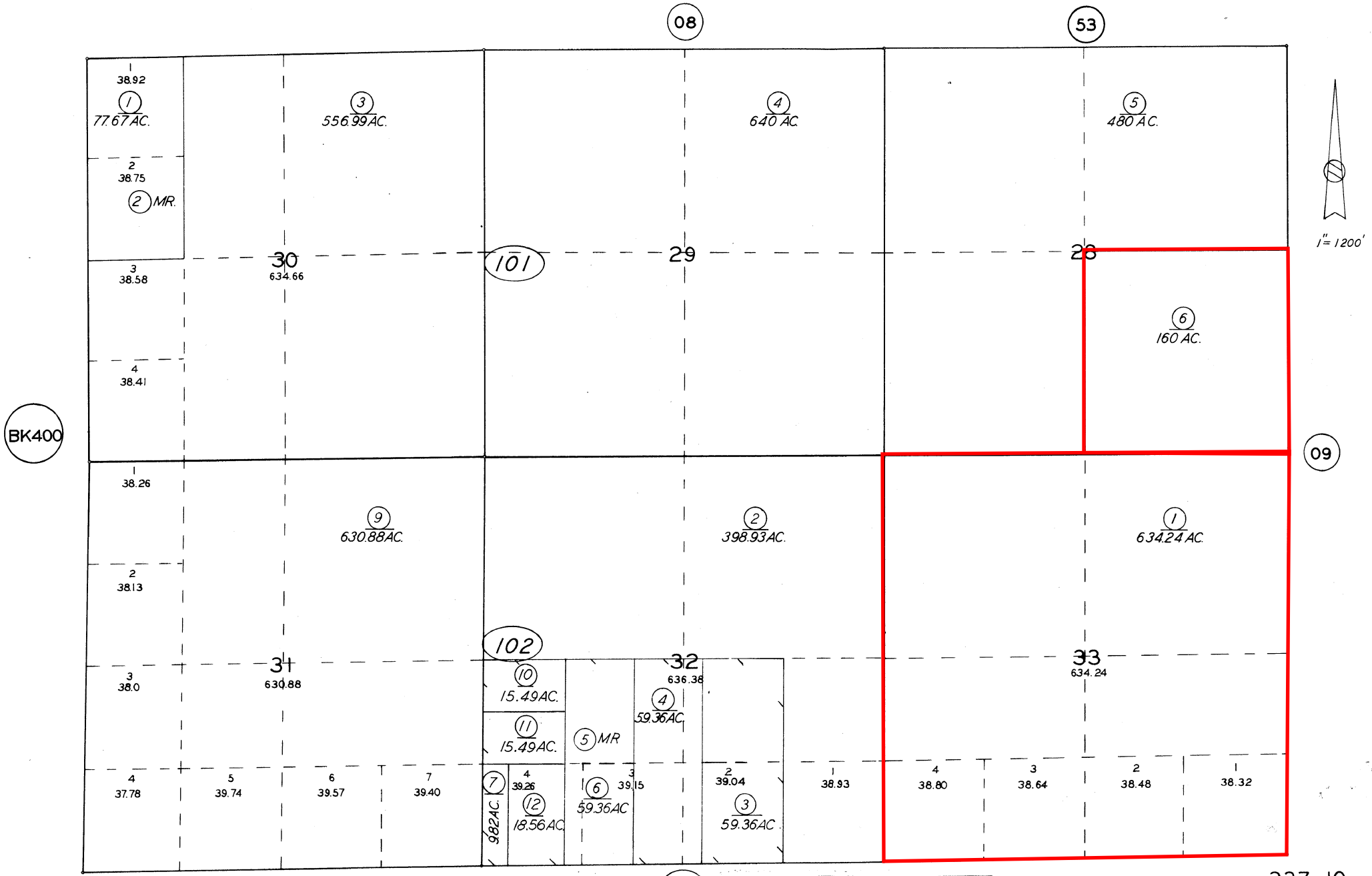
237-09 T.11N. R.14W. SCHOOL DIST. 125-7 237-09



Note: This map is for assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.

ASSESSORS MAP NO. 237-09
COUNTY OF KERN

237-10 T.11N. R.14W. SCHOOL DIST. 125-7 237-10



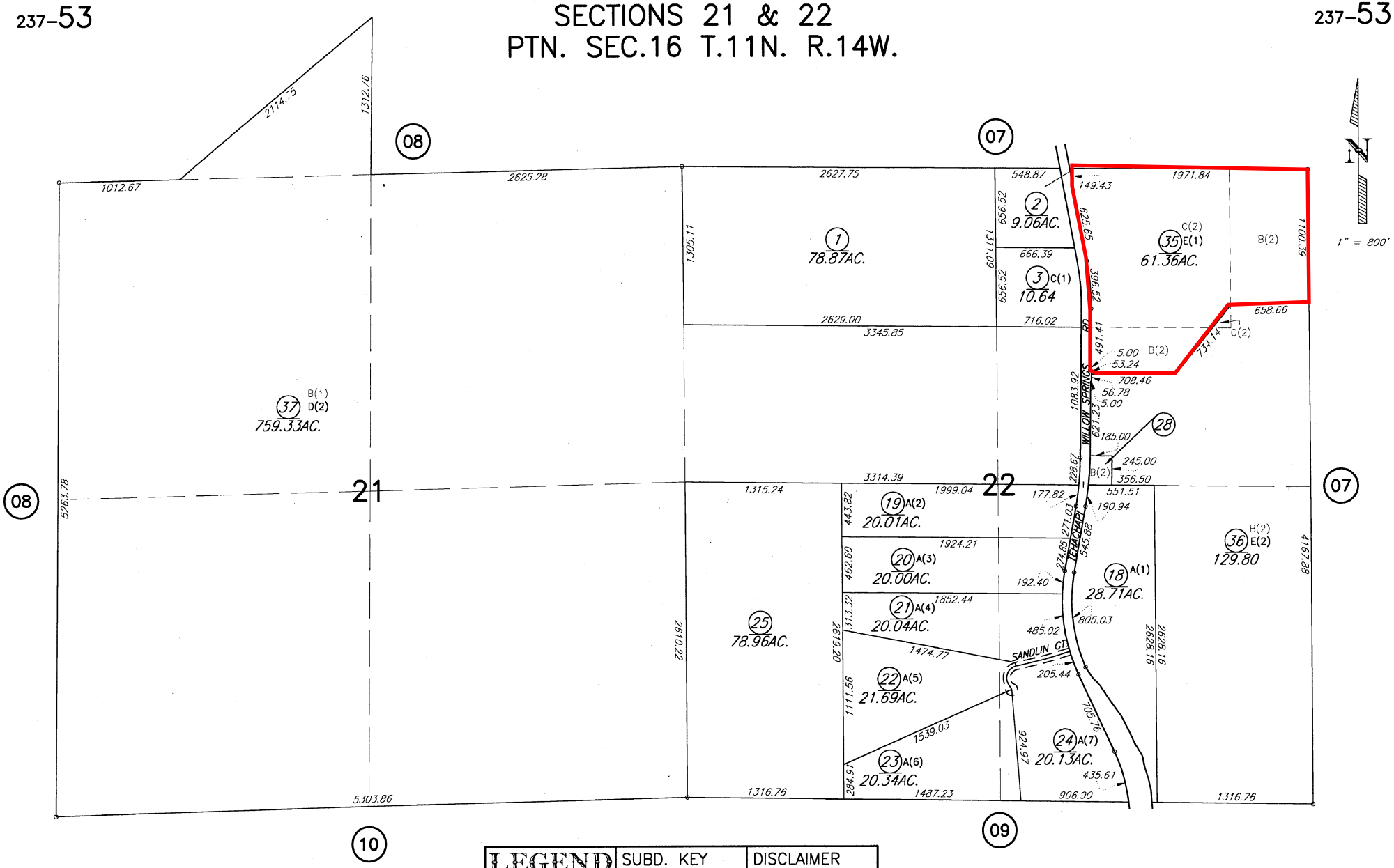
Note: This map is for assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.

ASSESSORS MAP NO. 237-10
COUNTY OF KERN

237-53

SECTIONS 21 & 22
PTN. SEC.16 T.11N. R.14W.

237-53



LEGEND	SUBD. KEY	DISCLAIMER
DRAWN May 2, 2001 A	REF. SUBD. A. PM 6514 B. PM 6819 C. PMW 349 D. LLA 11-99 E. LLA 58-99 (LOT DESIGNATIONS IN PARENTHESIS)	This map is for assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.
JURISDICTION COUNTY		

ASSESSORS MAP NO. 237-53
COUNTY OF KERN

APPENDIX C

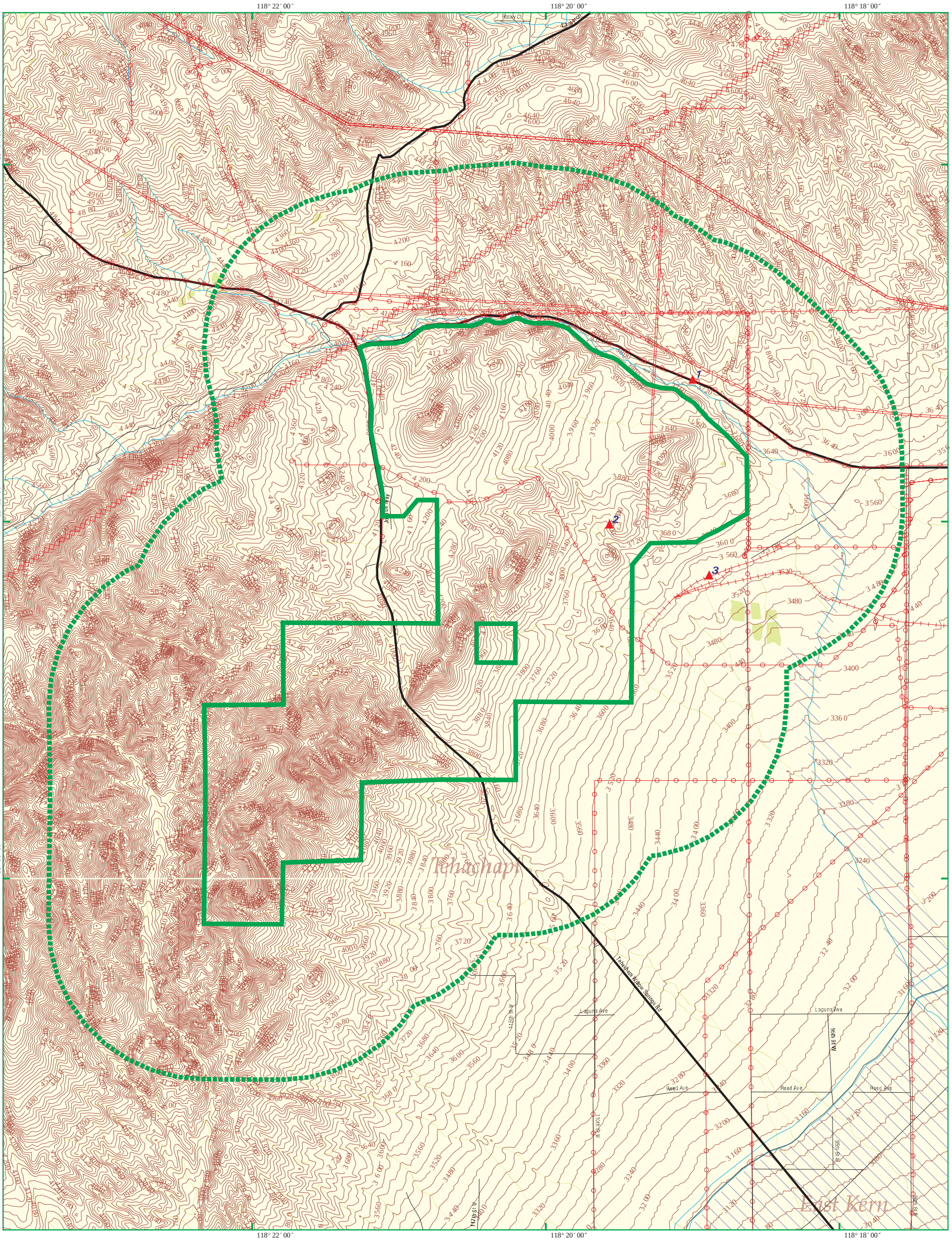
EDR Area Map Report

EDR Well Map Report

EDR Certified Sanborn Map Report – Not available

EDR Environmental Lien and AUL Search – Not available

EDR Vapor Encroachment Screen – Not available



EDR DataMap® - Area Study

EDR Environmental Data Resources Inc

Mojave Mine Life Extension Project



Mojave, CA

- Listed Sites
- Earthquake Epicenters (Richter 5 or greater)
- Search Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Pipelines
- Powerlines
- Fault Lines
- Water
- Superfund Sites
- Federal DOD Sites
- Indian Reservations BIA
- 100-Yr Flood Zones
- National Wetland Inventory

0 1/2 1

N

Scale in Miles

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4945046.3s - 24 May 17

Mojave Mine Life Extension Project
Mojave, CA 93501

Inquiry Number: 4945046.3s
May 24, 2017

EDR DataMap™ Area Study

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

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

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EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

MOJAVE, CA 93501
MOJAVE, CA 93501

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
SEMS	Superfund Enterprise Management System
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
LIENS 2	CERCLA Lien Information
CORRACTS	Corrective Action Report
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
RCRA-LQG	RCRA - Large Quantity Generators
RCRA-SQG	RCRA - Small Quantity Generators
RCRA-CESQG	RCRA - Conditionally Exempt Small Quantity Generator
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
DOT OPS	Incident and Accident Data
US CDL	National Clandestine Laboratory Register
US BROWNFIELDS	A Listing of Brownfields Sites
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
LUCIS	Land Use Control Information System
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
ODI	Open Dump Inventory
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System

PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
ABANDONED MINES	Abandoned Mines
LEAD SMELTERS	Lead Smelter Sites
FEDERAL FACILITY	Federal Facility Site Information listing
FEMA UST	Underground Storage Tank Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
DOCKET HWC	Hazardous Waste Compliance Docket Listing
UXO	Unexploded Ordnance Sites
FUSRAP	Formerly Utilized Sites Remedial Action Program
COAL ASH DOE	Steam-Electric Plant Operation Data
2020 COR ACTION	2020 Corrective Action Program List
PRP	Potentially Responsible Parties
EPA WATCH LIST	EPA WATCH LIST
US FIN ASSUR	Financial Assurance Information
PCB TRANSFORMER	PCB Transformer Registration Database
US HIST CDL	Delisted National Clandestine Laboratory Register
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
IHS OPEN DUMPS	Open Dumps on Indian Land
US AIRS	Aerometric Information Retrieval System Facility Subsystem

STATE AND LOCAL RECORDS

HIST Cal-Sites	Historical Calsites Database
CA BOND EXP. PLAN	Bond Expenditure Plan
SCH	School Property Evaluation Program
Toxic Pits	Toxic Pits Cleanup Act Sites
SWF/LF	Solid Waste Information System
NPDES	NPDES Permits Listing
WDS	Waste Discharge System
UIC	UIC Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
HIST CORTESE	Hazardous Waste & Substance Site List
SWRCY	Recycler Database
LUST	Geotracker's Leaking Underground Fuel Tank Report
SLIC	Statewide SLIC Cases
UST	Active UST Facilities
HIST UST	Hazardous Substance Storage Container Database
LIENS	Environmental Liens Listing
CUPA Listings	CUPA Resources List
CHMIRS	California Hazardous Material Incident Report System
LDS	Land Disposal Sites Listing
MCS	Military Cleanup Sites Listing
Notify 65	Proposition 65 Records
DEED	Deed Restriction Listing
VCP	Voluntary Cleanup Program Properties
DRYCLEANERS	Cleaner Facilities
WIP	Well Investigation Program Case List
ENF	Enforcement Action Listing
CDL	Clandestine Drug Labs
RESPONSE	State Response Sites

EXECUTIVE SUMMARY

HAZNET ---------- Facility and Manifest Data
EMI ---------- Emissions Inventory Data
ENVIROSTOR ---------- EnviroStor Database
HAULERS ---------- Registered Waste Tire Haulers Listing
ICE ---------- ICE
HWT ---------- Registered Hazardous Waste Transporter Database
WMUDS/SWAT ---------- Waste Management Unit Database
WASTEWATER PITS ---------- Oil Wastewater Pits Listing
MWMP ---------- Medical Waste Management Program Listing
BROWNFIELDS ---------- Considered Brownfieds Sites Listing
PEST LIC ---------- Pesticide Regulation Licenses Listing
HWP ---------- EnviroStor Permitted Facilities Listing
PROC ---------- Certified Processors Database

TRIBAL RECORDS

INDIAN RESERV ---------- Indian Reservations
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
INDIAN UST ---------- Underground Storage Tanks on Indian Land
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

EDR MGP ---------- EDR Proprietary Manufactured Gas Plants
EDR Hist Auto ---------- EDR Exclusive Historic Gas Stations
EDR Hist Cleaner ---------- EDR Exclusive Historic Dry Cleaners
RGA LUST ---------- Recovered Government Archive Leaking Underground Storage Tank
RGA LF ---------- Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

FEDERAL 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 12/12/2016 has revealed that there is 1 RCRA NonGen / NLR site within the searched area.

Site	Address	Map ID	Page
CANNON ENERGY CORP	***10315 OAK CREEK RD***	***1***	***4***

EXECUTIVE SUMMARY

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 04/04/2017 has revealed that there is 1 FINDS site within the searched area.

Site	Address	Map ID	Page
CANNON ENERGY CORP	***10315 OAK CREEK RD***	***1***	***4***

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 03/19/2017 has revealed that there is 1 ECHO site within the searched area.

Site	Address	Map ID	Page
CANNON ENERGY CORP	***10315 OAK CREEK RD***	***1***	***4***

STATE AND LOCAL RECORDS

CA FID UST: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within the searched area.

Site	Address	Map ID	Page
CALIFORNIA PORTLAND Facility Id: 15005278 Status: A	***T11N R14WQ SEC 24***	***3***	***7***

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within the searched area.

Site	Address	Map ID	Page
CALIFORNIA PORTLAND	***T11N R14WQ SEC 24***	***3***	***7***

Status: A
Tank Status: A
Comp Number: 600017

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

A review of the AST list, as provided by EDR, and dated 07/06/2016 has revealed that there are 2 AST sites within the searched area.

Site	Address	Map ID	Page
RIDGETOP ENERGY LLC	10315 OAK CREEK RD	1	4
RIDGETOP ENERGY LLC	10315 OAK CREEK	1	6

MINES: A listing of mine site locations from the Office of Mine Reclamation.

A review of the MINES list, as provided by EDR, and dated 09/12/2016 has revealed that there is 1 MINES site within the searched area.

Site	Address	Map ID	Page
MOJAVE QUARRY	2025 E. FINANCIAL WA	2	6

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

Database	Total Plotted
FEDERAL RECORDS	
NPL	0
Proposed NPL	0
Delisted NPL	0
NPL LIENS	0
SEMS	0
SEMS-ARCHIVE	0
LIENS 2	0
CORRACTS	0
RCRA-TSDF	0
RCRA-LQG	0
RCRA-SQG	0
RCRA-CESQG	0
RCRA NonGen / NLR	1
US ENG CONTROLS	0
US INST CONTROL	0
ERNS	0
HMIRS	0
DOT OPS	0
US CDL	0
US BROWNFIELDS	0
DOD	0
FUDS	0
LUCIS	0
CONSENT	0
ROD	0
UMTRA	0
DEBRIS REGION 9	0
ODI	0
US MINES	0
TRIS	0
TSCA	0
FTTS	0
HIST FTTS	0
SSTS	0
ICIS	0
PADS	0
MLTS	0
RADINFO	0
FINDS	1
RAATS	0
RMP	0
COAL ASH EPA	0
ABANDONED MINES	0
LEAD SMELTERS	0
FEDERAL FACILITY	0
FEMA UST	0
ECHO	0
FUELS PROGRAM	0

MAP FINDINGS SUMMARY

Database	Total Plotted
DOCKET HWC	0
UXO	0
FUSRAP	0
COAL ASH DOE	0
2020 COR ACTION	0
PRP	0
EPA WATCH LIST	0
US FIN ASSUR	0
PCB TRANSFORMER	0
US HIST CDL	0
SCRD DRYCLEANERS	0
IHS OPEN DUMPS	0
US AIRS	0

STATE AND LOCAL RECORDS

HIST Cal-Sites	0
CA BOND EXP. PLAN	0
SCH	0
Toxic Pits	0
SWF/LF	0
NPDES	0
WDS	0
UIC	0
Cortese	0
HIST CORTESE	0
SWRCY	0
LUST	0
CA FID UST	1
SLIC	0
UST	0
HIST UST	0
LIENS	0
CUPA Listings	0
SWEEPS UST	1
CHMIRS	0
LDS	0
MCS	0
AST	2
Notify 65	0
DEED	0
VCP	0
DRYCLEANERS	0
WIP	0
ENF	0
CDL	0
RESPONSE	0
HAZNET	0
EMI	0
ENVIROSTOR	0
HAULERS	0

MAP FINDINGS SUMMARY

Database	Total Plotted
ICE	0
MINES	1
HWT	0
WMUDS/SWAT	0
WASTEWATER PITS	0
MWMP	0
BROWNFIELDS	0
PEST LIC	0
HWP	0
PROC	0

TRIBAL RECORDS

INDIAN RESERV	0
INDIAN ODI	0
INDIAN LUST	0
INDIAN UST	0
INDIAN VCP	0

EDR PROPRIETARY RECORDS

EDR MGP	0
EDR Hist Auto	0
EDR Hist Cleaner	0
RGA LUST	0
RGA LF	0

NOTES:

Sites may be listed in more than one database

1 **RIDGETOP ENERGY LLC** **AST** **A100423876**
10315 OAK CREEK RD **N/A**
MOJAVE, CA 93501

AST:

Certified Unified Program Agencies:	Not reported
Owner:	RIDGETOP ENERGY LLC
Total Gallons:	Not reported
CERSID:	10233772
Facility ID:	Not reported
Business Name:	RIDGETOP ENERGY LLC
Phone:	(661) 822-2400
Fax:	6618222401
Mailing Address:	8560 A OAK CREEK RD
Mailing Address City:	MOJAVE
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	DEAN LANDON-VP WIND OPERATIONS
Operator Phone:	6618222491
Owner Phone:	(661) 822-2495
Owner Mail Address:	8560 A OAK CREEK RD
Owner State:	CA
Owner Zip Code:	Not reported
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:	CAL000303385

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1 **CANNON ENERGY CORP** **RCRA NonGen / NLR** **1000318502**
10315 OAK CREEK RD **FINDS** **CAD982491474**
MOJAVE, CA 93501 **ECHO**

RCRA NonGen / NLR:

Date form received by agency:	01/16/2001
Facility name:	CANNON ENERGY CORP
Facility address:	10315 OAK CREEK RD MOJAVE, CA 93501
EPA ID:	CAD982491474
Mailing address:	PO BOX 1457 TEHACHAPI, CA 93581
Contact:	JAYMIE SALAS
Contact address:	10315 OAK CREEK RD MOJAVE, CA 93501
Contact country:	US
Contact telephone:	(661) 822-7524
Contact email:	Not reported
EPA Region:	09
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CANNON ENERGY CORP
Owner/operator address:	NOT REQUIRED NOT REQUIRED, ME 99999

CANNON ENERGY CORP (Continued) **1000318502**

Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110002829725

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: 1000318502
Registry ID: 110002829725
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110002829725

1 **RIDGETOP ENERGY LLC** **AST** **A100184516**
10315 OAK CREEK **N/A**
MOJAVE, CA

AST:

Certified Unified Program Agencies:	Kern
Owner:	RIDGETOP ENERGY LLC
Total Gallons:	8,800
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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2 **MOJAVE QUARRY** **MINES** **S117662114**
2025 E. FINANCIAL WAY **N/A**
, CA

MINES:

Latitude:	35.033056
Longitude:	-118.326111
Lead Agency identification code:	15
Lead Agency name:	County of Kern
Year of the operator supplied annual report:	2015
Type of report submitted by operator:	2
Number of acres disturbed by the mine:	317
Status of mining operation:	ACTIVE
Status of mine reclamation:	RECLAMATION NOT STARTED
Mine operator:	CALIFORNIA PORTLAND CEMENT COMPANY
Operator Address:	2025 E FINANCIAL WAY
Operator City, State, Zip:	GLENDORA, CA 91741
Operator County:	Not reported
Mine owner:	CALIFORNIA PORTLAND CEMENT CO.
Owner Address:	2025 E. FINANCIAL WAY
Owner City, State, Zip:	GLENDORA, CA 91741
Owner County:	Not reported
Reclamation plan identification number:	Not reported
Primary product produced by the mine:	LIMESTONE
Other products produced by the mine:	Not reported
Type of mining utilized by mine:	Not reported
Conditional use permit identification number:	Not reported

MOJAVE QUARRY (Continued) **S117662114**

Number of acres permitted for mining disturbance: 1100
Total amount of funds posted by the mine for reclamation: $6,905,833.00
Financial Assurance Cost Estimate for reclamation: $6,905,833.00

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3 **CALIFORNIA PORTLAND CEMENT CO** **CA FID UST** **S101630835**
T11N R14WQ SEC 24 **SWEEPS UST** **N/A**
MOJAVE, CA 93501

CA FID UST:
Facility ID: 15005278
Regulated By: UTNKA
Regulated ID: Not reported
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: Not reported
Mail To: Not reported
Mailing Address: P O BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: MOJAVE 93501
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: Active
Comp Number: 600017
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-18-93
Action Date: 12-03-93
Created Date: 08-24-90
Owner Tank Id: M-9
SWRCB Tank Id: 15-000-600017-000001
Tank Status: A
Capacity: 10000
Active Date: 08-18-93
Tank Use: M.V. FUEL
STG: P
Content: LEADED
Number Of Tanks: 6

Status: Active
Comp Number: 600017
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-18-93
Action Date: 12-03-93
Created Date: 08-24-90
Owner Tank Id: M-10
SWRCB Tank Id: 15-000-600017-000002
Tank Status: A
Capacity: 12000
Active Date: 08-18-93

CALIFORNIA PORTLAND CEMENT CO (Continued) **S101630835**

Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 600017
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-18-93
Action Date: 12-03-93
Created Date: 08-24-90
Owner Tank Id: M-11
SWRCB Tank Id: 15-000-600017-000003
Tank Status: A
Capacity: 15000
Active Date: 08-18-93
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 600017
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-18-93
Action Date: 12-03-93
Created Date: 08-24-90
Owner Tank Id: M-12
SWRCB Tank Id: 15-000-600017-000004
Tank Status: A
Capacity: 15000
Active Date: 08-18-93
Tank Use: M.V. FUEL
STG: P
Content: DIESEL
Number Of Tanks: Not reported

Status: Active
Comp Number: 600017
Number: 1
Board Of Equalization: Not reported
Referral Date: 08-18-93
Action Date: 12-03-93
Created Date: 08-24-90
Owner Tank Id: M-13
SWRCB Tank Id: 15-000-600017-000005
Tank Status: A
Capacity: 5000
Active Date: 08-18-93
Tank Use: M.V. FUEL
STG: P
Content: REG UNLEADED
Number Of Tanks: Not reported

Status: Active

CALIFORNIA PORTLAND CEMENT CO (Continued) **S101630835**

Comp Number:	600017
Number:	1
Board Of Equalization:	Not reported
Referral Date:	08-18-93
Action Date:	12-03-93
Created Date:	08-24-90
Owner Tank Id:	M-3
SWRCB Tank Id:	15-000-600017-000006
Tank Status:	A
Capacity:	10000
Active Date:	08-18-93
Tank Use:	OIL
STG:	P
Content:	FUEL OIL
Number Of Tanks:	Not reported

Count: 105 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
KERN COUNTY	1023317297	STINE CANAL CULVERT EXTENSION PROJECT	RT 119		FINDS
KERN COUNTY	1023245914	UNNAMED DITCH AT SR 223 CULVERT EXTENTION PROJECT	SR 223 AND H STREET		FINDS
KERN COUNTY	1023235760	ANTELOPE TRANSMISSION PROJECT: SEGMENT 3B	19927 JAMESON		FINDS
KERN COUNTY	M300006769	LEHIGH SOUTHWEST CEMENT CO.	TEHACHAPI QUARRY & PLANT		US MINES
KERN COUNTY	M300000931	LEHIGH CEMENT CO	TEHACHAPI PLANT		US MINES
MOJAVE	1000857527	CALTRANS CACHE CREEK BRIDGE	BR #50-201L P M R107.6 HWY 58	93501	RCRA-SQG, HAZNET
MOJAVE	S114590791	CALTRANS MOJAVE MAINTENANCE	HWY 14		RGA LUST
MOJAVE	1023364331	AVEK MOJAVE RECHLORINATION STA	HWY 14 AND SILVER QUEEN RD	93501	FINDS
MOJAVE	S102426217	CALTRANS MOJAVE MAINTENANCE	HWY 14	93501	LUST
MOJAVE	S114590787	CALTRANS MOJAVE MAINTENANCE	HWY 14		RGA LUST
MOJAVE	S114589449	CAL TRANS MOJAVE MAINTENANCE	HWY 14		RGA LUST
MOJAVE	S114590788	CALTRANS MOJAVE MAINTENANCE	0 HWY 14		RGA LUST
MOJAVE	1023269593	CALTRANS MOJAVE MAINTENANCE	HWY 14	93501	FINDS
MOJAVE	1023364112	RED ROCK CANYON BRIDGE REPLACEMENT PROJE	SR 14 RED ROCK CANYON STATE PARK	93501	FINDS
MOJAVE	S102432601	LEONARD CONSTRUCTION	HWY 14		HIST CORTESE, LUST
MOJAVE	U004224875	FREMONT VALLEY RANCH	29954 HIGHWAY 14		UST
MOJAVE	U004113451	LEONARD CONSTRUCTION	HWY 14 & HWY 58	93501	UST
MOJAVE	S104402896	UNKNOWN	HWY 14		HIST CORTESE
MOJAVE	1016784629	KCGS - MOJAVE MICROWAVE SITE	1775 HIGHWAY 58	93501	FINDS
MOJAVE	A100337391	SUNSHINE TRUCK WORLD	2001 HWY 58	93501	AST
MOJAVE	S118408353	CALIFORNIA HIGHWAY	1365 HWY 58	93501	HIST UST
MOJAVE	S118410087	FIRE STATION 14	1953 HWY 58	93501	HIST UST
MOJAVE	U004113441	FIRE STATION 14	1953 HIGHWAY 58		UST
MOJAVE	U004113231	SHAHNAZ ENT	1155 HWY 58	93501	UST
MOJAVE	U004228405	#7704 FASTRIP #38	2350 HIGHWAY 58		UST
MOJAVE	S118408328	CALIFORNIA HIGHWAY PATROL	1365 HWY 58	93501	HIST UST
MOJAVE	A100340127	AT T/PACIFIC BELL(CA7004)	HWY 58 9 MI E OF MOJAVE	93501	AST
MOJAVE	S106027449	FIRE STATION #14	1953 HIGHWAY 58	93501	CA FID UST, SWEEPS UST
MOJAVE	U004113452	MR. LEE PULSIPHER	1875 HWY 58	93501	UST
MOJAVE	A100337512	RED ROCK CANYON STATE PARK	NW ABBOTT AND HWY 14	00000	AST
MOJAVE	1016407223	NORTHROP GRUMMAN MOJAVE HANGAR 77	BLDG 77 1260 FLIGHT LINE	93501	FINDS, ECHO
MOJAVE	1011917552	MOJAVE	CAMELOT BLVD ON HOLT ST	93501	FINDS, ECHO
MOJAVE	1011488070	MOJAVE	CAMELOT BLVD ON HOLT ST	93501	RCRA NonGen / NLR
MOJAVE	S113171631	MOJAVE	CAMELOT BLVD ON HOLT ST 1500 FT N	93501	HAZNET
MOJAVE	A100336983	WINDLAND INC	10901 CAMERON	93501	AST
MOJAVE	U004113196	MOJAVE UNIFIED SCHOOL DISTRICT	COR OF NORTON/CANTIL AVE	93501	UST
MOJAVE	S106927719	JAMIESON HILL STATION #703	SE CORNER HWY 58 & 14	93501	SWEEPS UST
MOJAVE	1011831945	MOJAVE CHLORINATION STATION	FREEWAY 14 AND SILVER QUEEN ROAD	93501	RMP
MOJAVE	U004113432	MOJAVE UNIFIED SCHOOL DIST.	1834 INYO/15732 "O" ST	93501	UST
MOJAVE	S106922930	AT&T MOJAVE MAIN RADIO GROUP	5925 W LAS POSITAS BLVD	93501	SWEEPS UST
MOJAVE	S118234955	MOJAVE 16 17 & 18 LLC	LAT 35.052809 LONG -118.268785	93501	HAZNET
MOJAVE	S114405779	DIFWIND VI WIND ENERGY PROJECT	2 MILES NW 70TH STREET W AND OAK CREEK ROAD	93501	NPDES

Count: 105 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MOJAVE	1023311976	NORTHROP GRUMMAN SYSTEMS CORPORATION - MOJAVE TEST SITE	MOJAVE AIRPORT EXP BUNKER 280	93501	FINDS
MOJAVE	S113005617	BAE SYSTEMS, MOJAVE	MOJAVE AIRPORT	93501	HAZNET
MOJAVE	1016265128	NORTHROP CORP AIRCRAFT DIV MOJAVE FAC	MOJAVE AIRPORT	93501	FINDS, ECHO
MOJAVE	1018273545	C492 L300B MP 227.47-227.48 RECOAT SPAN 477 (PG&E SPANS PROJ	400 FT N OF OAK CREEK RD & 1	93501	RCRA-LQG, FINDS, ECHO
MOJAVE	S114730438	MOJAVE #2 BD	NE/4,NE/4,NW/4, SEC22,T11N,R12W.		RGA LF
MOJAVE	S116497852	MOJAVE DRAINAGE IMPROVEMENTS PHASE XIV	NUMEROUS LOCATIONS	93501	NPDES
MOJAVE	S112142316	LINE 300A MP 322 327 AC MITIGATION WRO PROJECT	OAK CREEK ROAD	93501	NPDES
MOJAVE	S117705443	MOJAVE DRAINAGE IMPROVEMENTS PHASE 8 CURE & GUTTER	W OF STATE HWY 58 & S OF STATE HWY 14	93501	NPDES
MOJAVE	1023342602	PG&E: MOJAVE SEPARATOR STATION	WEST OF HOLT ROADNA .2 MI. N/O CAMELOT BLVD.	93501	FINDS
MOJAVE	1023338039	ADDISON ENERGY WIND PROJECT	NORTH OF OAK CREEK RD. AND APPROX. 1 MILE SOUTH OF	93501	FINDS
MOJAVE	A100423382	PG&E: MOJAVE SEPARATOR STATION	WEST OF HOLT ROAD, .2 MI. N/O CAMELOT BLVD.	93501	AST
MOJAVE	1023361707	MOJAVE PLANT NO 55	SOUTH OF MOJAVE	93501	FINDS
MOJAVE	1023310613	MOJAVE STP	SE OF MOJAVE	93501	FINDS
MOJAVE	1004676086	MOJAVE SEPARATOR STATION	WEST OF HOLT ROAD .2 MILES N/	93501	RCRA NonGen / NLR
MOJAVE	S114730436	MOJAVE #1 BD	S/2,SE/4,SE/4, SEC 16, T11N, R12W.		RGA LF
MOJAVE	S113175254	PG&E MOJAVE SEPARATOR STATION	W SIDE OF HOLT ST 02 MI N CAM	93501	HAZNET
MOJAVE	1016265445	P G & E MOJAVE FILTER SEPARATOR	W SIDE OF HOLT ST	93501	FINDS, ECHO
MOJAVE	S118413086	MOJAVE YARD SO- DISTRICT	17031 SIERRA HWA	93501	HIST UST
MOJAVE	1023233973	LADWP MOJAVE YARD SO DISTRICT	17031 SIERRA HWY	93501	FINDS
MOJAVE	U001586271	MOJAVE YARD SO. DISTRICT	17031 SIERRA HWY.	93501	HIST UST
MOJAVE	1023333426	LADWP MOJAVE	17031 SIERRA HWY	93501	FINDS
MOJAVE	1023216822	MOJAVE/ROSAMOND LANDFILL	3 MI SOUTH OF MOJAVE	93501	FINDS
MOJAVE	S105255554	MOJAVE/ROSAMOND LANDFILL	3 MI SOUTH OF MOJAVE	93501	WDS
MOJAVE	S106926720	GILBERT E. COOK	STAR RT 1 BOX 54E	93501	SWEEPS UST
MOJAVE	1003879733	BLM-CACTUS GOLD MINES CO.	STAR RTE 1-BACKUS RD & TEHACHAPI-WILLOW	93501	SEMS-ARCHIVE
MOJAVE	S118410635	GILBERT E COOK	STAR ROUTE 1 45E-TROPICO	93501	HIST UST
MOJAVE	S112837765	1X MOJAVE UNIFIED SCHOOL DISTRICT	15732 "O" STREET	93501	HAZNET
MOJAVE	U001586266	MOJAVE HIGH SCHOOL	15732 "O" STREET	93501	HIST UST
MOJAVE	S118413083	MOJAVE PUD OFFICE AND EQUIPMENT	15844 X STREET	93501	HIST UST
MOJAVE	U001586268	MOJAVE PUD OFFICE & EQUIPMENT	15844 "K" STREET	93501	HIST UST
MOJAVE	1023361718	MOJAVE SUBDIVISION	TEHACHAPI & MOJAVE	93501	FINDS
MOJAVE CA	S101854342	STANDARD HILL PROJECT	PO BOX R	93501	WMUDS/SWAT
MOJAVE CA	S103443198	MOJAVE AIRPORT	PO BOX 711	93501	WMUDS/SWAT
MONOLITH	1015732779	CALAVERAS CEMENT CO TEHACHAPI, MONOLITH	4 MI E OF TEHACHAPI ON HWQ 58	93561	SEMS-ARCHIVE
ROMOLAND	S105025908	AVENUE A UNAUTHORIZED DIS	AVE A 11/2 MI E. HWY 14	93560	HIST CORTESE
ROSAMOMD	S118410766	GREAT LAKES CARBON CORP	1050 STERRA HIGHWAY	93560	HIST UST
ROSAMOND	S118411605	JERRY GODDE	RT 1 BOX 408	93560	HIST UST
ROSAMOND	U004113236	WEAVER RANCH	100TH W/GASKELL RD	93560	UST
ROSAMOND	1023287533	PACIFIC WIND ENERGY PROJECT	AQUADUCT & 170TH	93560	FINDS
ROSAMOND	S119103848	KARL'S HARDWARE MOJAVE	PO BOX 716	93501	PEST LIC
ROSAMOND	1023275425	ROSAMOND 1 & 2 SOLAR PROJECT	FAVORITO & 65TH	93560	FINDS
ROSAMOND	S118470212	ROSAMOND SOLAR PROJECT PHASE 3	14874 HARBOUR WAY SOUTH	93560	NPDES
ROSAMOND	S110736978	TRTP SEGMENT 10 TRANSMISSION LINE PROJECT	LINEAR CONSTRUCTION PROJECT	93501	NPDES

Count: 105 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ROSAMOND	1000410002	NORTHROP GRUMMAN SYSTEMS CORP. TEJON	6242 LITTLE OAK CANYON RD	93560	RCRA-LQG
ROSAMOND	A100338120	NORTHROP GRUMMAN CORP-TEJON SITE	6242 LITTLE OAK CANYON	93560	AST
ROSAMOND	S106932256	SINGAMAMMY CORP.	STAR RT 1 BOX 352	93560	SWEEPS UST
ROSAMOND	S118415460	SINGAMANNY CORP	STAR RTE 1 BOX 352	93560	HIST UST
ROSAMOND	S100714218	SWEETSER ROAD UNAUTHORIZED DISPOSAL SITE	SWEETSER RD NEAR HWY 14 & FRONTAGE RD	93560	ENVIROSTOR
ROSAMOND	A100423868	RICHARD MINER	TEHACHAPI WILLOW SPRINGS RD	93560	AST
ROSAMOND	A100324785	RICHARD MINER	TEHACHAPI WILLOW SPRINGS	93560	AST
ROSAMOND	1003879424	AVENUE A	1/2 MI W OF W 10TH ST ALONG AVENUE A	93560	SEMS-ARCHIVE
TEHACHAPI	S101630912	HOWARDS MARKET	HWY 202 TUCKER NEC RD	93561	CA FID UST, SWEEPS UST
TEHACHAPI	S111828774	SARIDA PROJECT	BANDUCCI	93561	NPDES
TEHACHAPI	S113801822	WINDSTAR PROJECT	13949 CAMERON RD	93561	HAZNET
TEHACHAPI	S117041254	CHALLENGER DRIVE ROAD EXTENSION UG TL	CHALLENGER DRIVE	93561	NPDES
TEHACHAPI	1023340539	ALTA-OAK CREEK MOJAVE WIND PROJECT PHASE II	3 MILES W OF SR14	93561	FINDS
TEHACHAPI	1023209912	ALTA-OAK CREEK MOJAVE WIND PROJECT PHASE I	3 MILES W OF SR 14	93561	FINDS
TEHACHAPI	1023372554	LINE 300A BEAR VALLEY SPRINGS PIPELINE PROJECT	5 MILES WEST OF TEHACHAPI	93561	FINDS
TEHACHAPI	S119086183	MILL STREET REHABILITATION PROJECT	MILL STREET	93561	NPDES
TEHACHAPI	S111214472	CCDLP TEHACHAPI WIND PROJECT	OAK CREEK ROAD	93501	NPDES
TEHACHAPI	U004266154	PILOT TRAVEL CENTER	1688 TEHACHAPI BLVD	93561	UST
TEHACHAPI	U004113501	EG&G ENERGY MEASUREMENTS, INC	TEHACHAPI CITY AIRPORT	93561	UST
TEHACHAPI CA	S101612514	TEHACHAPI CLASS III LANDFILL	4.5 MI E OF TEHACHAPI	93561	WMUDS/SWAT

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.

FEDERAL RECORDS

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: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

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: 04/05/2017
Date Data Arrived at EDR: 04/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Quarterly

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 04/25/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

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

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

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

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

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/12/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 44

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 11/15/2016
Date Data Arrived at EDR: 11/29/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 66

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 11/11/2016
Number of Days to Update: 43

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 37

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 12/05/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 67

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 03/02/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/02/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

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

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 93

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 77

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 38

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 03/03/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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

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

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/19/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/26/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2016
Date Data Arrived at EDR: 04/28/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 127

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

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

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/06/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/04/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 35

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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

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

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2017
Date Data Arrived at EDR: 02/09/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 57

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Biennially

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

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

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites
A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015
Date Data Arrived at EDR: 01/29/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 67

Source: Department of Defense
Telephone: 571-373-0407
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/28/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

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: 05/19/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

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

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

FEDERAL FACILITY: Federal Facility Site Information listing
A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92
Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/07/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Annually

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

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100
Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 04/10/2017
Data Release Frequency: Annually

US 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: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 86
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

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

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/05/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 36
Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/21/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Varies

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 06/02/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 09/02/2016
Number of Days to Update: 91
Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 21

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 03/19/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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: 02/22/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 79

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

STATE AND LOCAL RECORDS

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

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

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: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

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

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 02/13/2017
Date Data Arrived at EDR: 02/15/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

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

Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Quarterly

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/15/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 107

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/17/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

UIC: UIC Listing

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

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 12/28/2016
Date Data Arrived at EDR: 12/28/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 64

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

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

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 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 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

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

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

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

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

LUST REG 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: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

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

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Varies

LUST REG 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

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

SLIC: Statewide SLIC Cases (GEOTRACKER)

Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

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

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

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: Annually

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/12/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 57

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/16/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 02/27/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

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

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 45

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

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

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 105

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 49

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 12/16/2016
Date Data Arrived at EDR: 12/22/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 04/03/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

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: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 77

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

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: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

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: 03/09/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 42

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

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

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 03/24/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 54

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

ENF: Enforcement Action Listing

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

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/09/2016
Date Made Active in Reports: 01/18/2017
Number of Days to Update: 40

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 10/12/2016
Date Made Active in Reports: 12/15/2016
Number of Days to Update: 64

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 09/23/2016
Date Made Active in Reports: 10/24/2016
Number of Days to Update: 31

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/21/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Varies

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 08/25/2016
Date Data Arrived at EDR: 08/26/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 49

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Varies

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: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/02/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Quarterly

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

BROWNFIELDS: Considered Brownfieds Sites Listing

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

Date of Government Version: 01/03/2017
Date Data Arrived at EDR: 01/04/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 57

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/29/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water board?s review found that more than one-third of the region?s active disposal pits are operating without permission.

Date of Government Version: 04/15/2015
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/23/2015
Number of Days to Update: 67

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Varies

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 03/13/2017
Date Data Arrived at EDR: 03/14/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 50

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/14/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/21/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 62

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 02/22/2017
Next Scheduled EDR Contact: 06/05/2017
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 04/11/2017
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 04/26/2017
Number of Days to Update: 13
Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/13/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 09/12/2016
Date Data Arrived at EDR: 09/14/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 30
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Varies

PEST LIC: Pesticide Regulation Licenses Listing

A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 12/06/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 87
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 03/07/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database

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

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: No Update Planned

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546
Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

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

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/17/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

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

Date of Government Version: 10/06/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99
Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 10/01/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 01/14/2017
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 98

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/07/2016
Date Data Arrived at EDR: 01/26/2017
Date Made Active in Reports: 05/05/2017
Number of Days to Update: 99

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 04/28/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 31

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 04/10/2017
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 21

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 04/24/2047
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA Facility List

Cupa Facility List

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/08/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 37

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA Facility Listing

Cupa facility list.

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 94

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA Facility List
Cupa facility list.

Date of Government Version: 02/23/2017
Date Data Arrived at EDR: 02/24/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 77

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Varies

CONTRA COSTA COUNTY:

Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/17/2016
Date Data Arrived at EDR: 11/22/2016
Date Made Active in Reports: 01/26/2017
Number of Days to Update: 65

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA Facility List
Cupa Facility list

Date of Government Version: 01/31/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/14/2017
Number of Days to Update: 70

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/24/2017
Date Data Arrived at EDR: 02/28/2017
Date Made Active in Reports: 05/12/2017
Number of Days to Update: 73

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 04/06/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 40

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

HUMBOLDT COUNTY:

CUPA Facility List

CUPA facility list.

Date of Government Version: 03/20/2017
Date Data Arrived at EDR: 03/21/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 57

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

IMPERIAL COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 36

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

INYO COUNTY:

CUPA Facility List

Cupa facility list.

Date of Government Version: 09/10/2013
Date Data Arrived at EDR: 09/11/2013
Date Made Active in Reports: 10/14/2013
Number of Days to Update: 33

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 02/07/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA Facility List

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

Date of Government Version: 03/06/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

LAKE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/18/2017
Date Data Arrived at EDR: 01/20/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 41

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 11/14/2016
Date Data Arrived at EDR: 11/18/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 66

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/17/2017
Date Data Arrived at EDR: 04/18/2017
Date Made Active in Reports: 05/02/2017
Number of Days to Update: 14

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2016
Date Data Arrived at EDR: 01/26/2016
Date Made Active in Reports: 03/22/2016
Number of Days to Update: 56

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 03/29/2016
Date Data Arrived at EDR: 04/06/2016
Date Made Active in Reports: 06/13/2016
Number of Days to Update: 68
Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

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

Date of Government Version: 01/17/2017
Date Data Arrived at EDR: 01/18/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 112
Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 04/17/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Semi-Annually

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

Date of Government Version: 03/09/2017
Date Data Arrived at EDR: 03/10/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 54
Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Annually

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

Date of Government Version: 01/10/2017
Date Data Arrived at EDR: 01/13/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 110
Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/10/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Semi-Annually

MADERA COUNTY:

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

Date of Government Version: 03/03/2017
Date Data Arrived at EDR: 03/07/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 71
Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MARIN COUNTY:

Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Semi-Annually

MERCED COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

MONO COUNTY:

CUPA Facility List
CUPA Facility List

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 76

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 06/24/2016
Date Data Arrived at EDR: 06/27/2016
Date Made Active in Reports: 08/09/2016
Number of Days to Update: 43

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

NAPA COUNTY:

Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

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

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/16/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 54

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA Facility List
CUPA facility list.

Date of Government Version: 02/09/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 05/17/2017
Number of Days to Update: 96

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/10/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 70

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

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

Date of Government Version: 11/04/2016
Date Data Arrived at EDR: 11/11/2016
Date Made Active in Reports: 01/23/2017
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 02/06/2017
Date Data Arrived at EDR: 02/07/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 85

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/09/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 09/02/2016
Date Data Arrived at EDR: 09/06/2016
Date Made Active in Reports: 10/14/2016
Number of Days to Update: 38

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

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

Date of Government Version: 04/18/2017
Date Data Arrived at EDR: 04/20/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 1

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 01/19/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 98
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/08/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 56
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 04/04/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 12/09/2016
Date Data Arrived at EDR: 12/13/2016
Date Made Active in Reports: 03/03/2017
Number of Days to Update: 80
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 05/08/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 10/05/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 86
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 03/10/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Quarterly

Solid Waste Facilities
San Diego County Solid Waste Facilities.

Date of Government Version: 10/31/2015
Date Data Arrived at EDR: 11/07/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 58
Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

Environmental Case Listing
The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24
Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

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

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 02/28/2017
Date Data Arrived at EDR: 03/02/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 62
Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

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

Date of Government Version: 03/21/2017
Date Data Arrived at EDR: 03/23/2017
Date Made Active in Reports: 05/09/2017
Number of Days to Update: 47
Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/20/2017
Next Scheduled EDR Contact: 07/03/2017
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/21/2017
Date Data Arrived at EDR: 02/21/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 91
Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SAN MATEO COUNTY:

Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 33
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

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

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 04/07/2017
Date Made Active in Reports: 04/21/2017
Number of Days to Update: 14
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SANTA CLARA COUNTY:

Cupa Facility List
Cupa facility list

Date of Government Version: 02/22/2017
Date Data Arrived at EDR: 02/23/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 89
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 02/24/2017
Next Scheduled EDR Contact: 06/12/2017
Data Release Frequency: Annually

Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 11/10/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 75

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 05/05/2017
Next Scheduled EDR Contact: 08/21/2017
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA Facility List
CUPA facility listing.

Date of Government Version: 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: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA Facility List
Cupa Facility List.

Date of Government Version: 03/14/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 67

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Varies

SOLANO COUNTY:

Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 11/29/2016
Date Data Arrived at EDR: 12/21/2016
Date Made Active in Reports: 12/22/2016
Number of Days to Update: 1

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 03/15/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 47

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 03/09/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

SONOMA COUNTY:

Cupa Facility List
Cupa Facility list

Date of Government Version: 03/01/2017
Date Data Arrived at EDR: 03/30/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 54

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Varies

Leaking Underground Storage Tank Sites

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

Date of Government Version: 01/04/2017
Date Data Arrived at EDR: 01/06/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 55

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/27/2017
Next Scheduled EDR Contact: 07/10/2017
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/20/2017
Date Data Arrived at EDR: 01/24/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 114

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 11/30/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Varies

SUTTER COUNTY:

Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 12/02/2016
Date Data Arrived at EDR: 12/06/2016
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 35

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 03/06/2017
Next Scheduled EDR Contact: 06/19/2017
Data Release Frequency: Semi-Annually

TRINITY COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/23/2017
Date Data Arrived at EDR: 01/25/2017
Date Made Active in Reports: 05/18/2017
Number of Days to Update: 113

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA Facility List

Cupa facility list

Date of Government Version: 01/25/2017
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 34

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Varies

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 12/27/2016
Date Data Arrived at EDR: 01/27/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 103

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: Quarterly

Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2016
Date Data Arrived at EDR: 10/27/2016
Date Made Active in Reports: 01/24/2017
Number of Days to Update: 89

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/24/2017
Next Scheduled EDR Contact: 08/07/2017
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 02/27/2017
Date Data Arrived at EDR: 03/15/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/15/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

Date of Government Version: 03/31/2017
Date Data Arrived at EDR: 04/06/2017
Date Made Active in Reports: 05/03/2017
Number of Days to Update: 27

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/31/2017
Next Scheduled EDR Contact: 07/17/2017
Data Release Frequency: Annually

YUBA COUNTY:

CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 01/31/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 112

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/01/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/15/2017
Next Scheduled EDR Contact: 08/28/2017
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 09/29/2016
Date Made Active in Reports: 01/03/2017
Number of Days to Update: 96

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/11/2017
Next Scheduled EDR Contact: 07/24/2017
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/30/2017
Date Data Arrived at EDR: 02/01/2017
Date Made Active in Reports: 02/13/2017
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2017
Next Scheduled EDR Contact: 08/14/2017
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 07/22/2016
Date Made Active in Reports: 11/22/2016
Number of Days to Update: 123

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/18/2017
Next Scheduled EDR Contact: 07/31/2017
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/22/2017
Next Scheduled EDR Contact: 09/04/2017
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2017
Next Scheduled EDR Contact: 06/26/2017
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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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

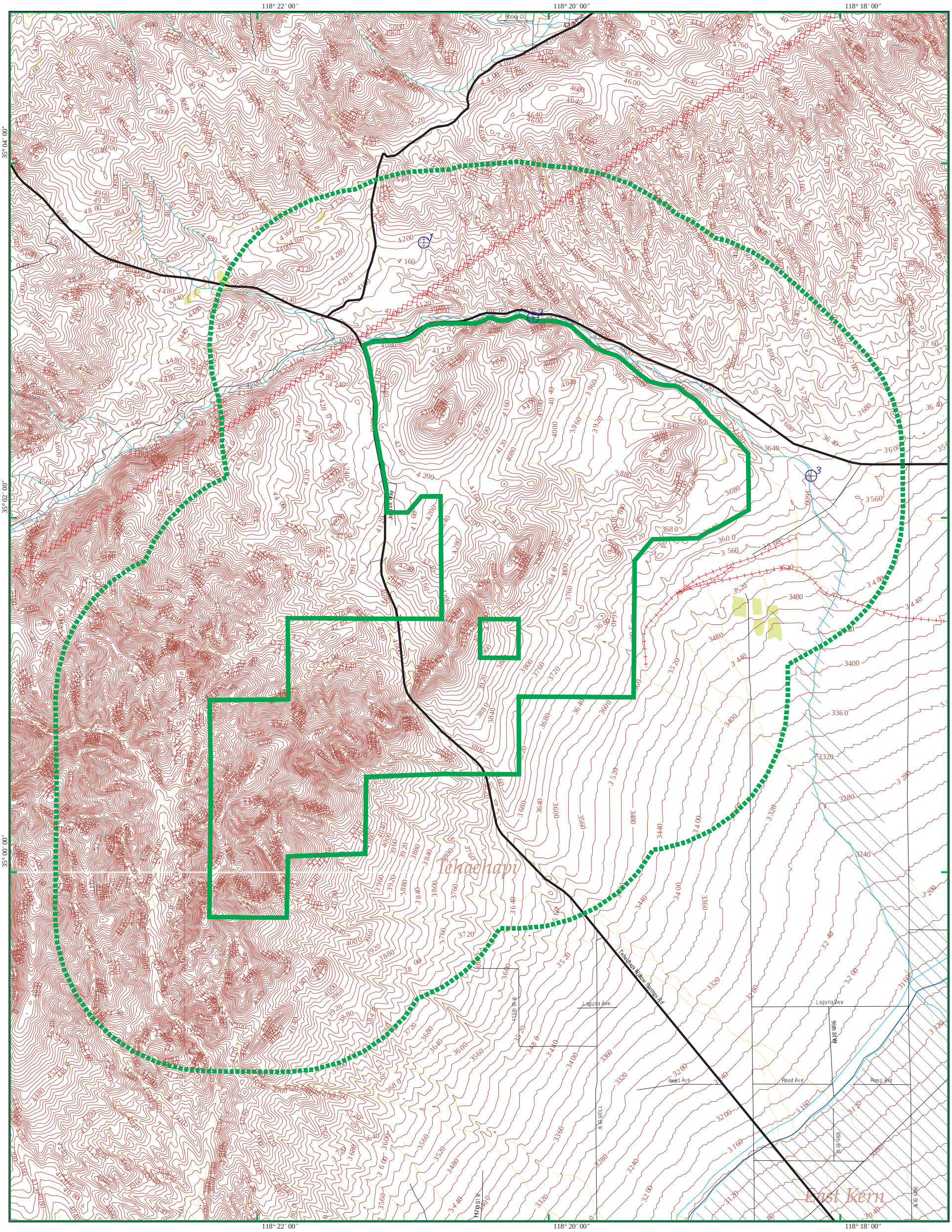
NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

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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EDR DataMap® - Well Search

EDR® Environmental Data Resources Inc

Mojave Mine Life Extension Project



Mojave, CA

- Listed Water Wells
- Study Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Fault Lines
- Water
- Superfund Sites
- 100-Yr Flood Zones
- Wetlands

N

0 1/2 1

Scale in Miles

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4945046.3w - 24 May 17

Mojave Mine Life Extension Project
Mojave, CA 93501

Inquiry Number: 4945046.3w
May 24, 2017

EDR DataMap™ Well Search Report

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

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

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GEOCHECK VERSION 2.1
SUMMARY

FEDERAL DATABASE WELL INFORMATION

MAP ID	WELL ID
2	USGS40000160043
3	USGS40000159912

STATE WATER WELL INFORMATION

MAP ID	WELL ID
1	1502034
1	1502034
2	CADW60000002779
2	1502034
3	CADW60000027287

PUBLIC WATER SUPPLY SYSTEM INFORMATION

NO WELLS FOUND

USGS TOPOGRAPHIC MAP(S)

34118-H3 WILLOW SPRINGS, CA
34118-H4 TYLERHORSE CANYON, CA
35118-A3 MONOLITH, CA
35118-A4 TEHACHAPI SOUTH, CA

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 93560

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.250 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Well Information:

Map ID:	2		
Org. Identifier:	USGS-CA	Site ID:	USGS40000160043
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-350308118200301		
Monloc name:	011N014W14B001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18090206	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.0521915
Longitude:	-118.3350806	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	4000.00
Vert measure units:	feet	Vertacc measure val:	20
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19540101	Welldepth:	60
Welldepth units:	ft	Wellholedepth:	84
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1956-03-19	24.97				
Note: Other conditions existed that would affect the measured water level.					
1954	25				
Note: Other conditions existed that would affect the measured water level.					

Map ID:	3		
Org. Identifier:	USGS-CA	Site ID:	USGS40000159912
Formal name:	USGS California Water Science Center		
Monloc Identifier:	USGS-350214118180701		
Monloc name:	011N013W19C001S		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	18090206	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	35.0371923
Longitude:	-118.3028573	Sourcemap scale:	24000

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	3610.
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Basin and Range basin-fill aquifers		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	19531210	Welldepth:	430
Welldepth units:	ft	Wellholedepth:	430
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 68

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-09-15	347.15		2004-03-29	343.53	
2003-09-16	339.59		2003-03-26	336.48	
2002-09-17	331.74		2002-03-26	325.83	
2001-09-18	313.88		2001-03-21	282.80	
2000-09-14	281.85		2000-03-21	275.85	
1999-11-16	269.96		1999-03-17	261.59	
1998-11-04	256.75		1998-03-18	276.89	
1997-11-17	273.26		1997-03-03	262.95	
1996-11-13	256.98		1996-04-18	248.32	
1995-12-06	235.7		1995-04-19	223.60	
1994-10-27	250.42		1994-04-12	220.73	
1993-11-17	219.20				
Note: Other conditions existed that would affect the measured water level.					
1993-04-20	250.47		1993-04-19	253.12	
1992-04-16	356.53		1991-10-21	354.18	
1991-03-22	351.33		1990-10-15	348.19	
1990-03-14	344.10		1989-10-19	341.10	
1989-03-22	334.44		1988-03-28	310.53	
1987-11-04	288.76		1987-02-22	268.36	
1986-10-23	263.50		1986-03-25	249.00	
1985-10-30	226.06		1985-03-25	225.68	
1984-10-31	222.95		1984-03-05	186.78	
1983-10-27	180.88		1983-04-27	207.40	
1982-10-06	308.81		1982-02-19	282.20	
1981-11-19	275.58		1981-04-17	261.49	
1980-10-15	253.30		1980-03-26	255.77	
1979-10-24	242.69		1979-02-14	238.45	
1978-11-06	232.80		1978-03-30	344.69	
1977-10-12	340.87		1977-03-07	335.55	
1976-11-04	333.70		1976-02-12	324.90	
1975-10-15	317.90		1975-02-05	307.10	
1974-10-23	299.80		1974-02-14	291.60	
1973-10-04	281.20		1973-03-24	318.80	
1972-10-12	285.50		1956-05-24	279.65	
1956-03-19	275.77		1955-10-06	268.19	
1953-12-10	217.00				

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Wells:

Water System Information:

Map ID:	1		
Prime Station Code:	1502034-004	User ID:	CYA
FRDS Number:	1502034004	County:	Kern
District Number:	12	Station Type:	SPRING/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	350333.1 1182048.3	Precision:	0.5 Mile (30 Seconds)
Source Name:	SPRING 01		
System Number:	1502034		
System Name:	CALIFORNIA PORTLAND CEMENT		
Organization That Operates System:			
	P.O. BOX 910 MOJAVE, CA 93501		
Pop Served:	350	Connections:	13
Area Served:	Not Reported		
Sample Collected:	11-JAN-08	Findings:	11.8 PCI/L
Chemical:	GROSS ALPHA		

Water System Information:

Map ID:	1		
Prime Station Code:	1502034-002	User ID:	CYA
FRDS Number:	1502034002	County:	Kern
District Number:	12	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Standby Untreated
Source Lat/Long:	350333.1 1182048.3	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 05 - STANDBY		
System Number:	1502034		
System Name:	CALIFORNIA PORTLAND CEMENT		
Organization That Operates System:			
	P.O. BOX 910 MOJAVE, CA 93501		
Pop Served:	350	Connections:	13
Area Served:	Not Reported		

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Well Information:

Map ID:	2
Objectid:	2779
Latitude:	35.0522
Longitude:	-118.336
Site code:	350522N1183360W001
State well numbe:	11N14W14B001S
Local well name:	''
Well use id:	6
Well use descrip:	Unknown
County id:	15
County name:	Kern
Basin code:	'6-44'
Basin desc:	Antelope Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000002779

Water System Information:

Map ID:	2		
Prime Station Code:	1502034-003	User ID:	CYA
FRDS Number:	1502034003	County:	Kern
District Number:	12	Station Type:	WELL/AMBNT
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	350307.8 1182000.8	Precision:	0.5 Mile (30 Seconds)
Source Name:	WELL 06		
System Number:	1502034		
System Name:	CALIFORNIA PORTLAND CEMENT		
Organization That Operates System:			
	P.O. BOX 910		
	MOJAVE, CA 93501		
Pop Served:	350	Connections:	13
Area Served:	Not Reported		
Sample Collected:	28-APR-11	Findings:	9.6 PCI/L
Chemical:	GROSS ALPHA		
Sample Collected:	28-APR-11	Findings:	1.84 PCI/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	28-APR-11	Findings:	9.28 PCI/L
Chemical:	URANIUM (PCI/L)		
Sample Collected:	28-APR-11	Findings:	1.24 PCI/L
Chemical:	URANIUM COUNTING ERROR		
Sample Collected:	14-JAN-13	Findings:	6.97 MG/L
Chemical:	NITRATE (AS NO3)		

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Sample Collected:	22-JAN-14	Findings:	12.3 MG/L
Chemical:	NITRATE (AS NO3)		

Map ID:	3
Objectid:	27287
Latitude:	35.0372
Longitude:	-118.3038
Site code:	350372N1183038W001
State well numbe:	11N13W19C001S
Local well name:	''
Well use id:	6
Well use descrip:	Unknown
County id:	15
County name:	Kern
Basin code:	'6-44'
Basin desc:	Antelope Valley
Dwr region id:	80238
Dwr region:	Southern Region Office
Site id:	CADW60000027287

CALIFORNIA GOVERNMENT WELL RECORDS SEARCHED

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

State Wetlands Data: Wetland Inventory
Source: Department of Fish & Game
Telephone: 916-445-0411

Water Well Database
Source: Department of Public Health
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Department of Conservation
Telephone: 916-323-1779
Oil and Gas well locations in the state.

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APPENDIX D

County Environmental Health Department

Kern County CalARP Facility List was reviewed on October 5, 2017, and CalPortland was not on the list.

APPENDIX E

EDR Building Permit Report

Property Detail Reports were reviewed and no buildings were identified in the descriptions.

APPENDIX F

Division of Oil, Gas, and Geothermal Resources

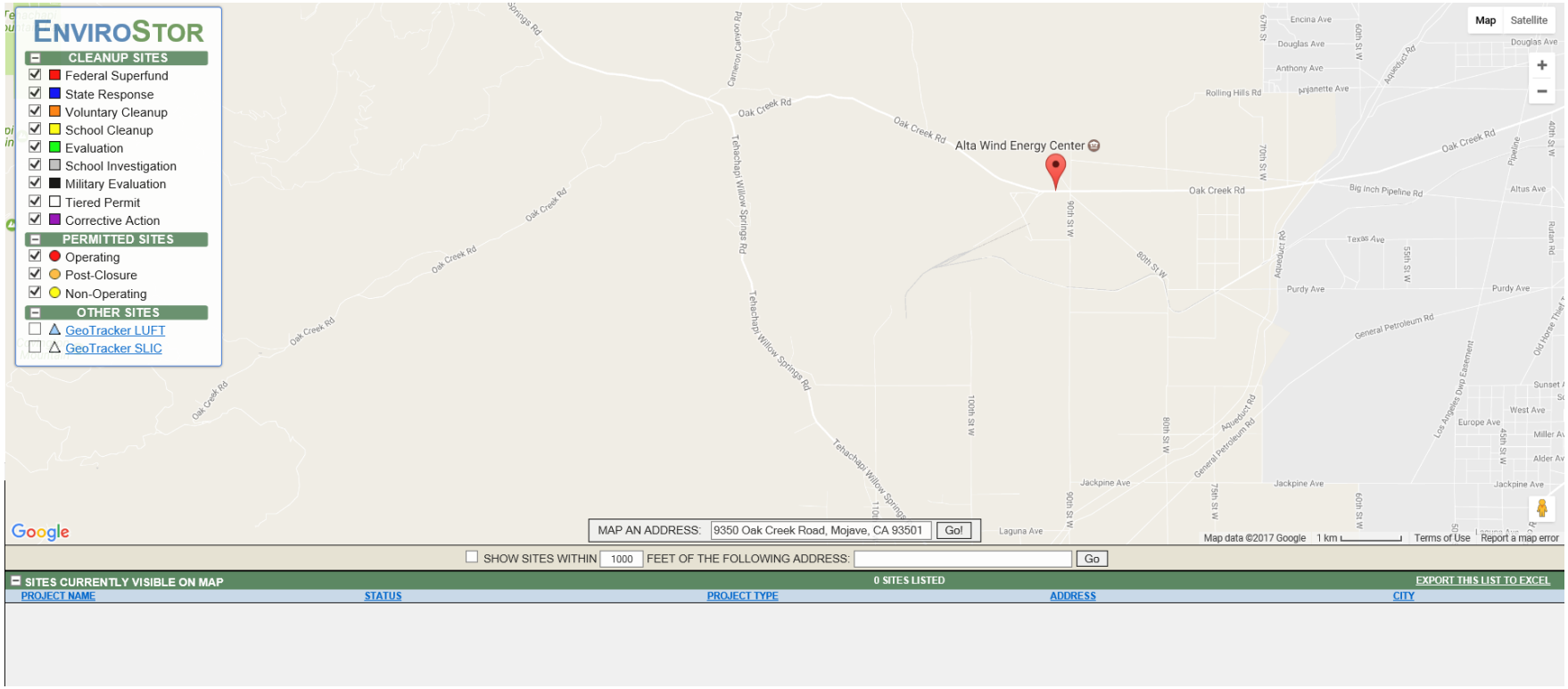
Department of Oil, Gas, and Geothermal Resources – DOGGR
(http://www.conservation.ca.gov/dog/Pages/WellFinder.aspx)



APPENDIX G

Department of Toxic Substances Control

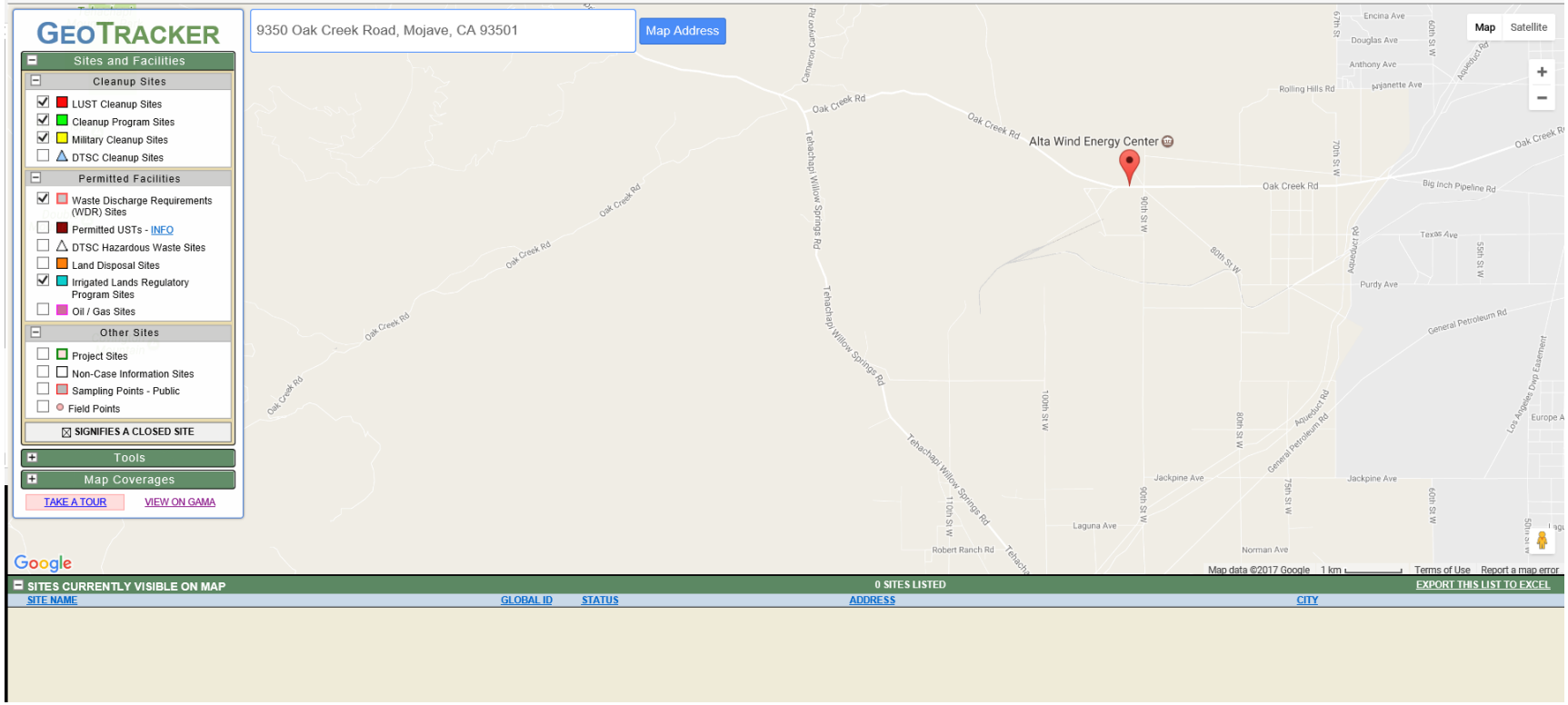
Department of Toxic Substances Control – EnviroStor (http://www.envirostor.dtsc.ca.gov/public/)



APPENDIX H

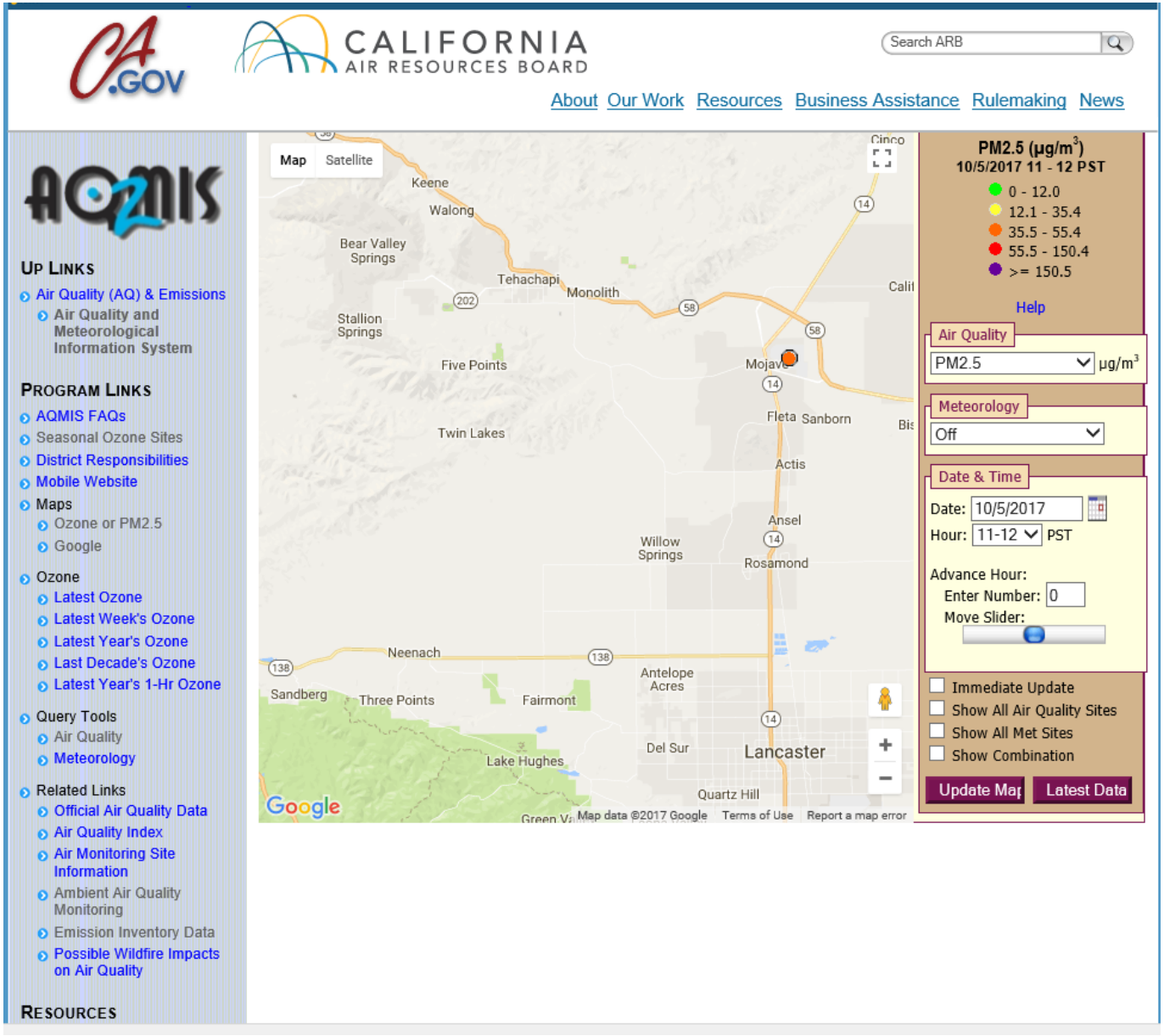
Regional Water Quality Control Board

Regional Water Quality Control Board – Geotracker (http://geotracker.waterboards.ca.gov/default.asp)



APPENDIX I

Eastern Kern Valley Air Pollution Control District



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2505 Alluvial Ave
Clovis, CA 93611-9166
(559) 326-1100

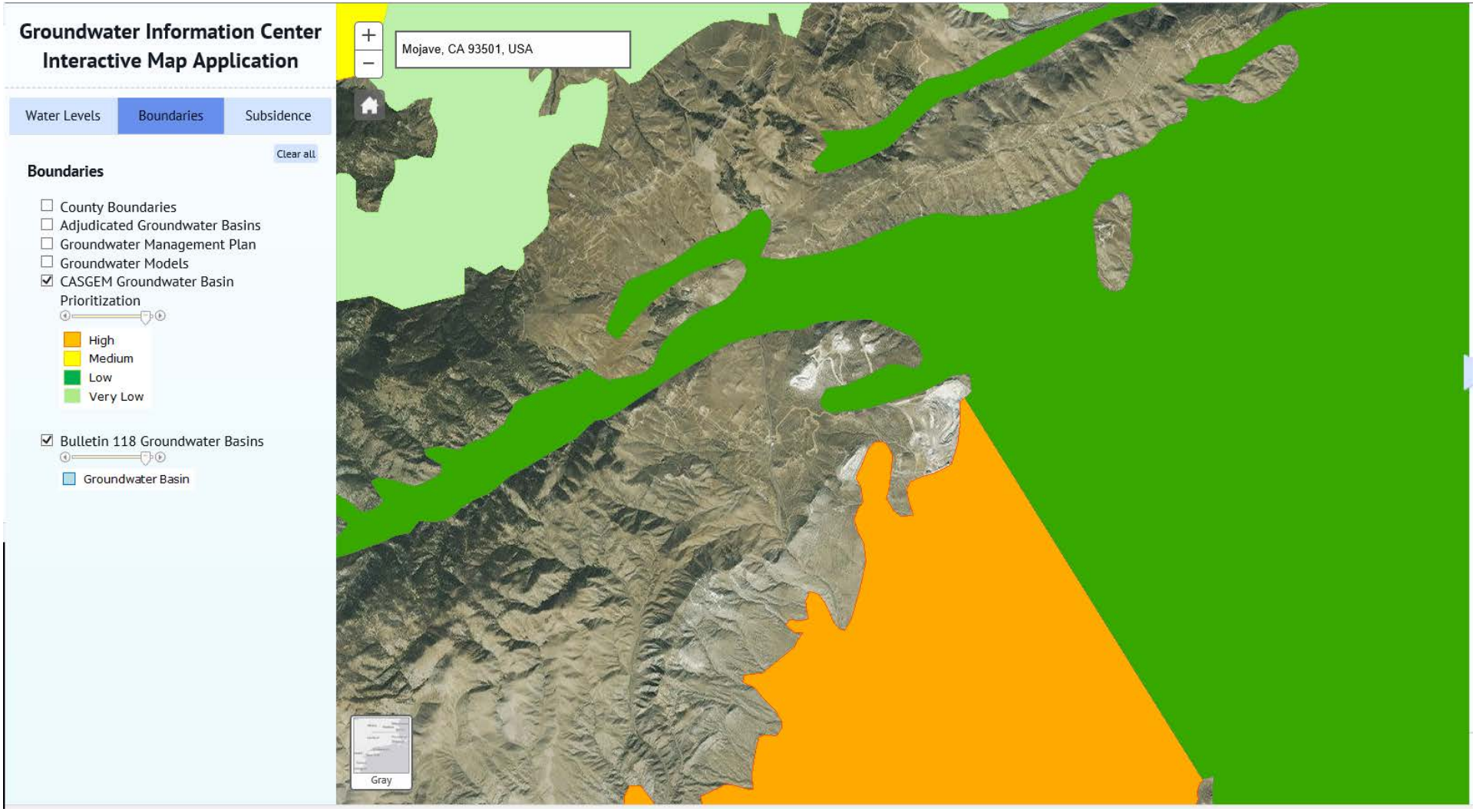
Air Quality Map

CalPortland Mojave Mine Extension

Phase I Environmental Site Assessment

APPENDIX J

DWR Depth to Water Contour Map



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Clovis, CA 93611-9166
(559) 326-1100

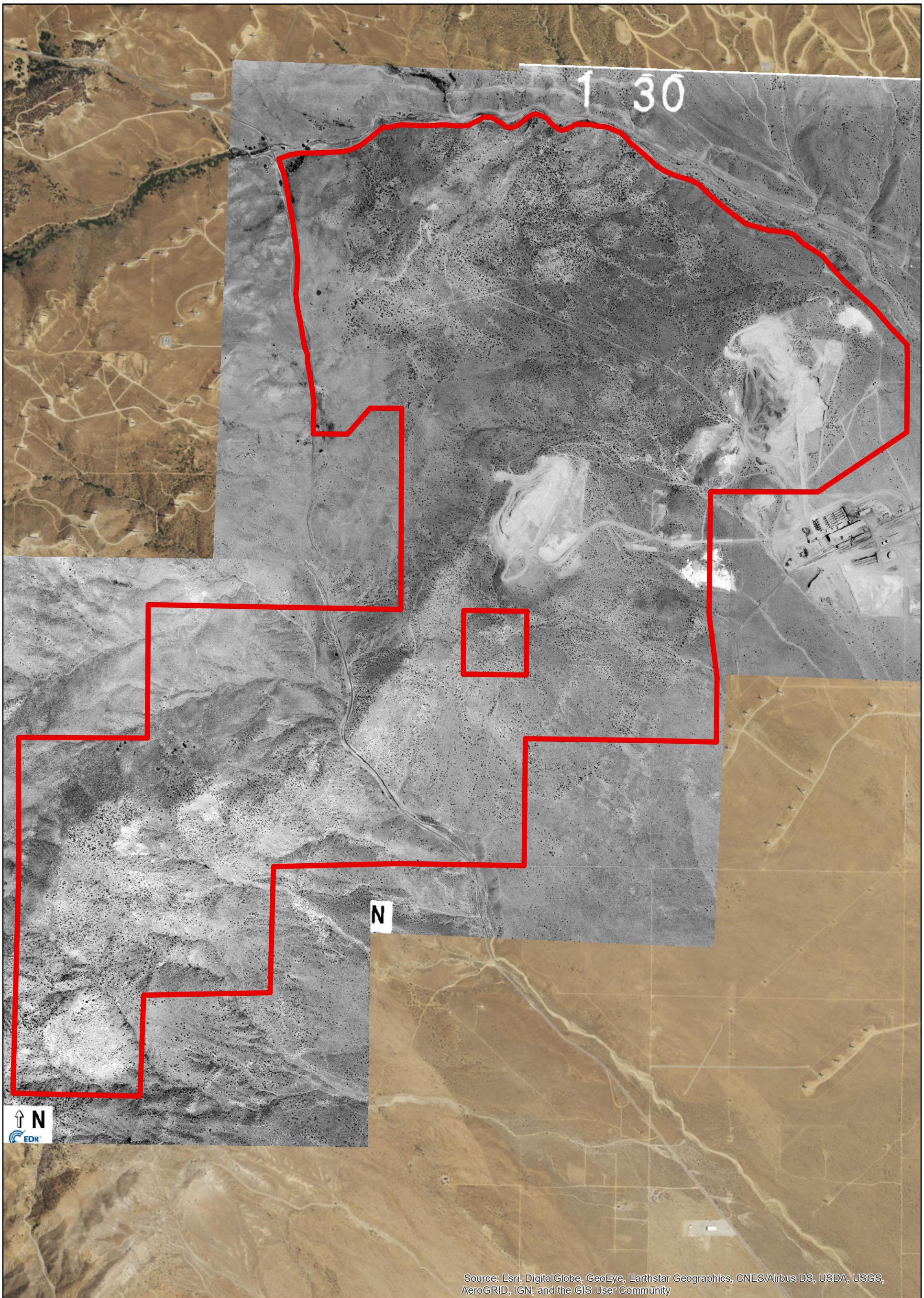
DWR Groundwater Map

CalPortland Mojave Mine Extension

Phase I Environmental Site Assessment

APPENDIX K

EDR Aerial Photo Decade Package



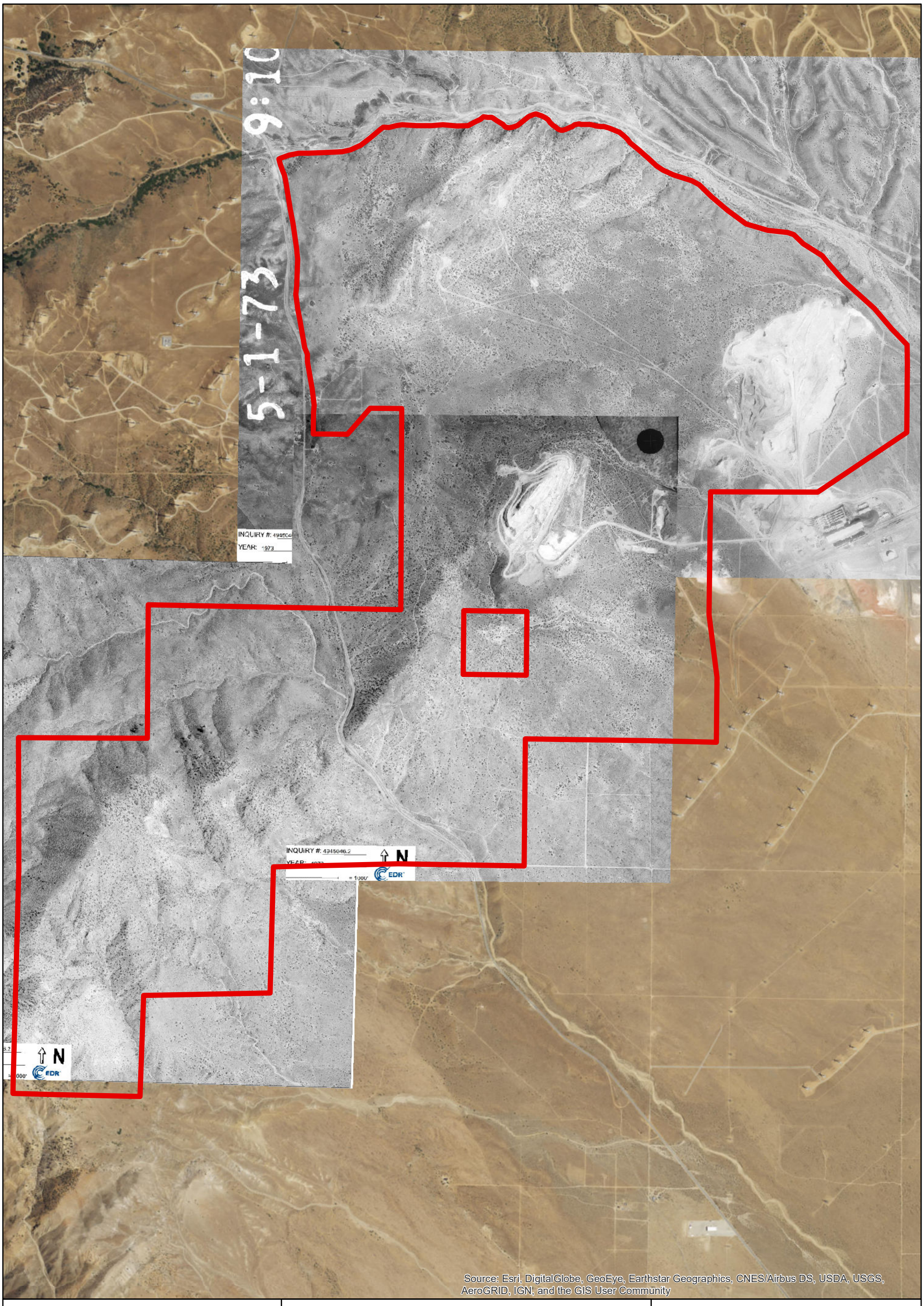
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0 0.25 0.5
Miles

Project Area - 1963

Cal Portland Mojave Mine Expansion

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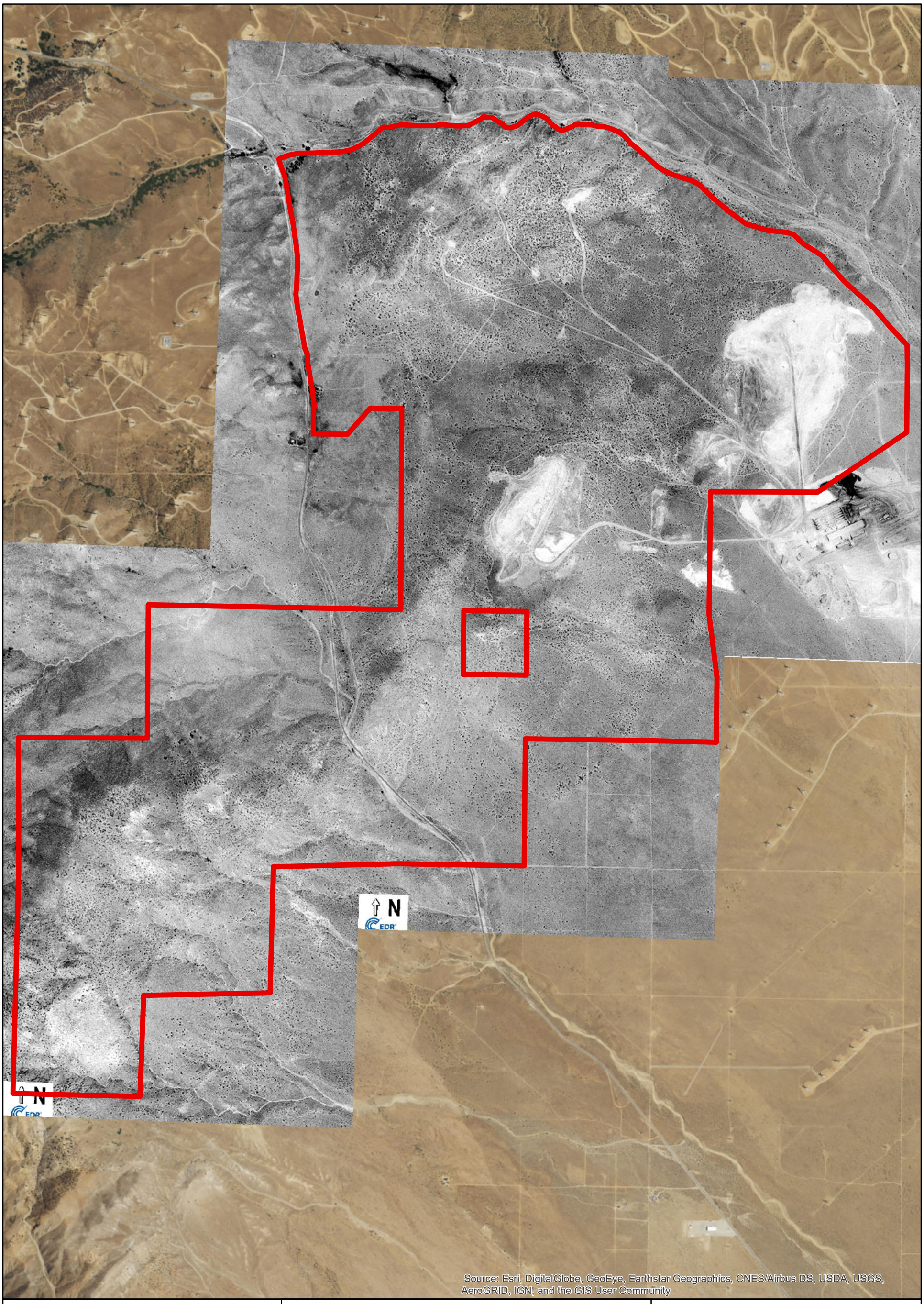
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Project Area - 1973

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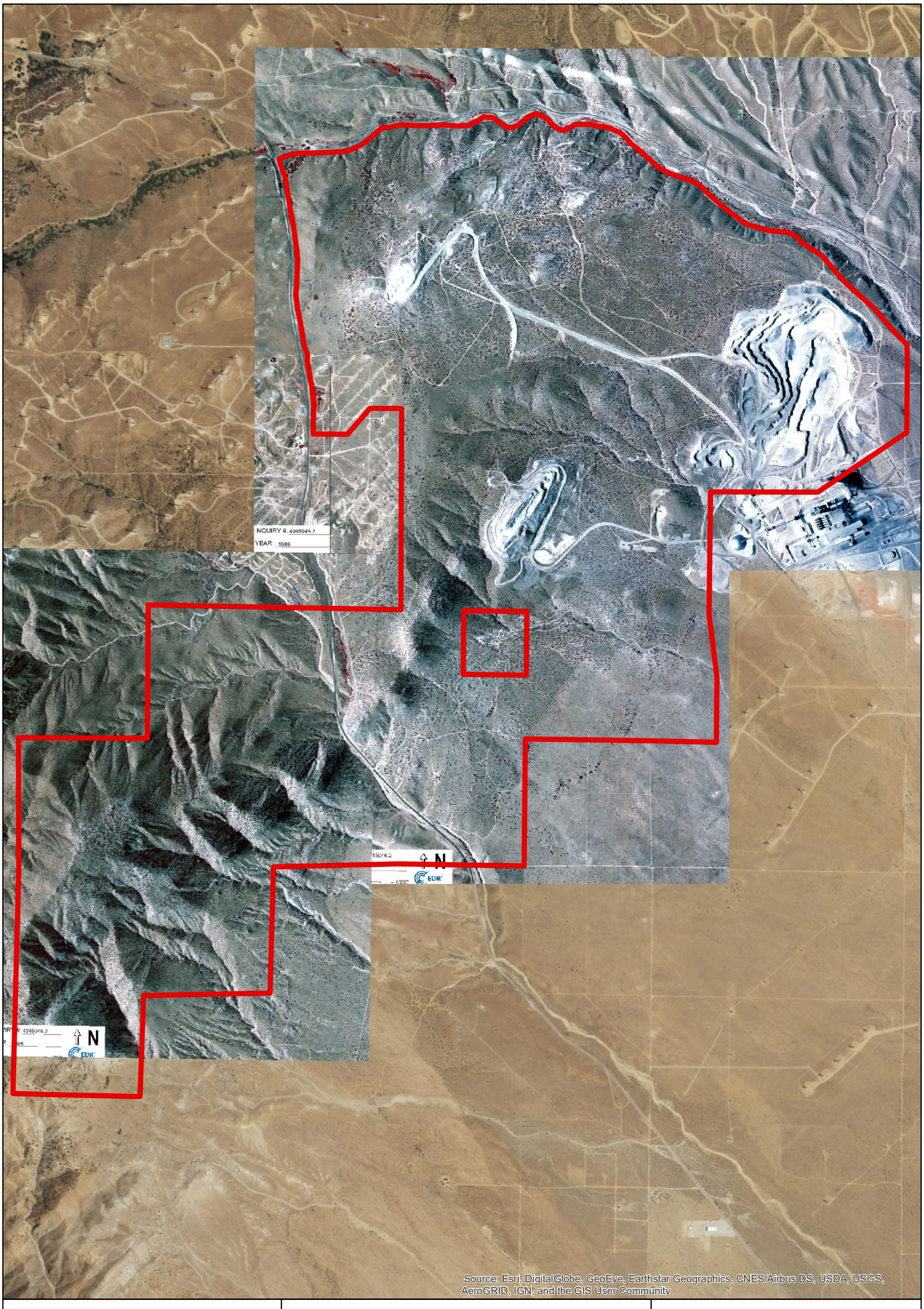
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Project Area - 1977

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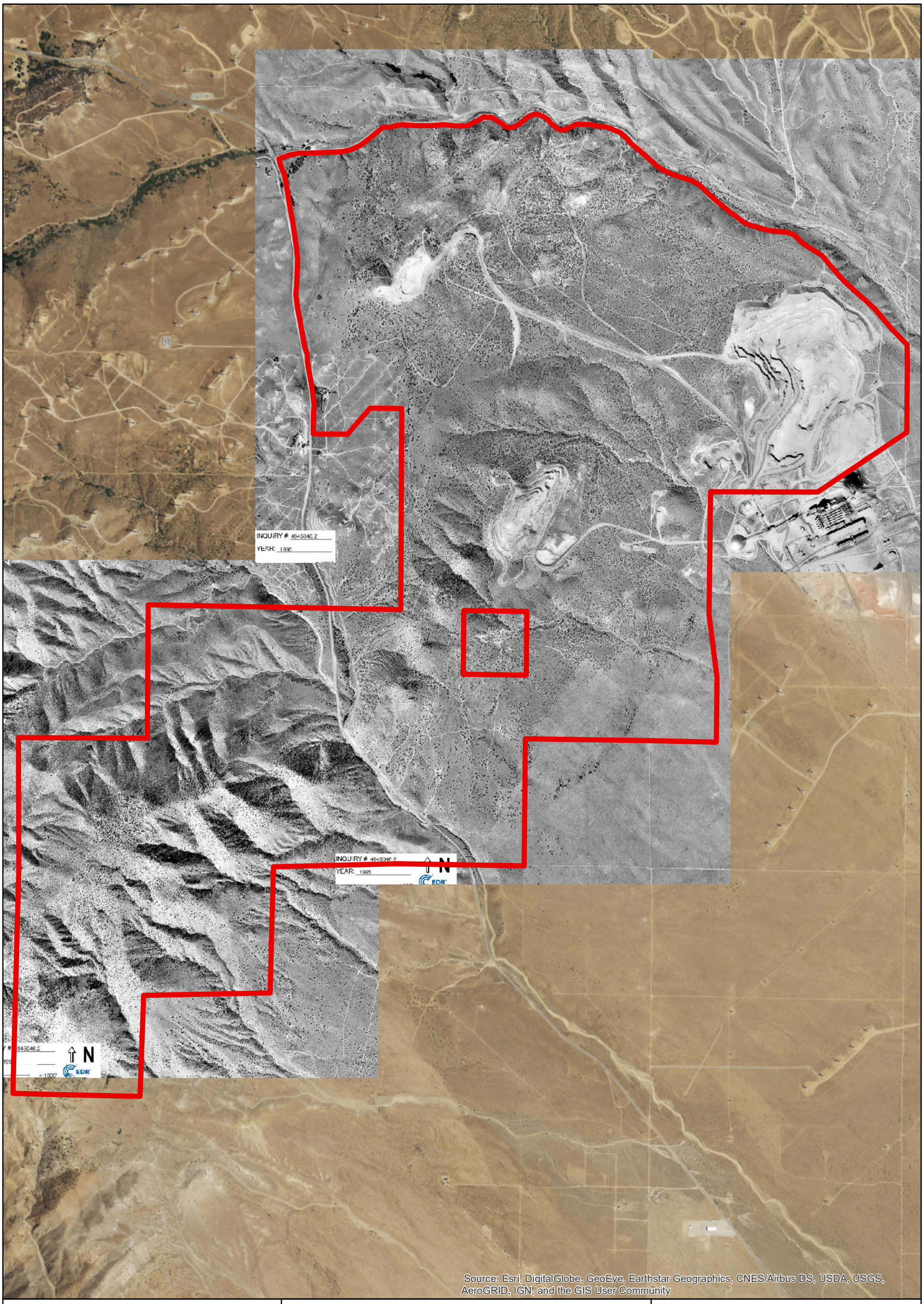
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Miles

Project Area - 1986

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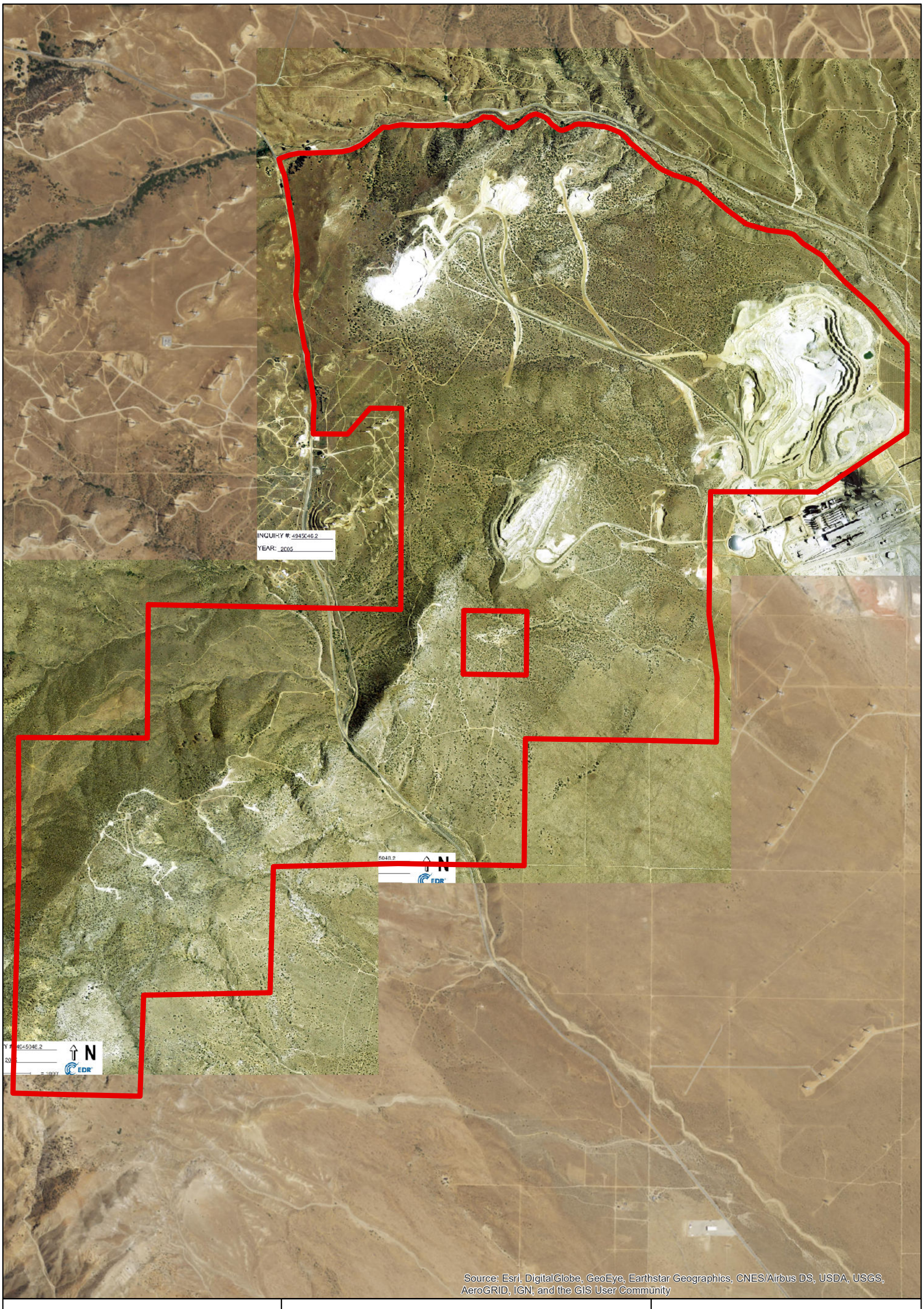
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Miles

Project Area - 1995

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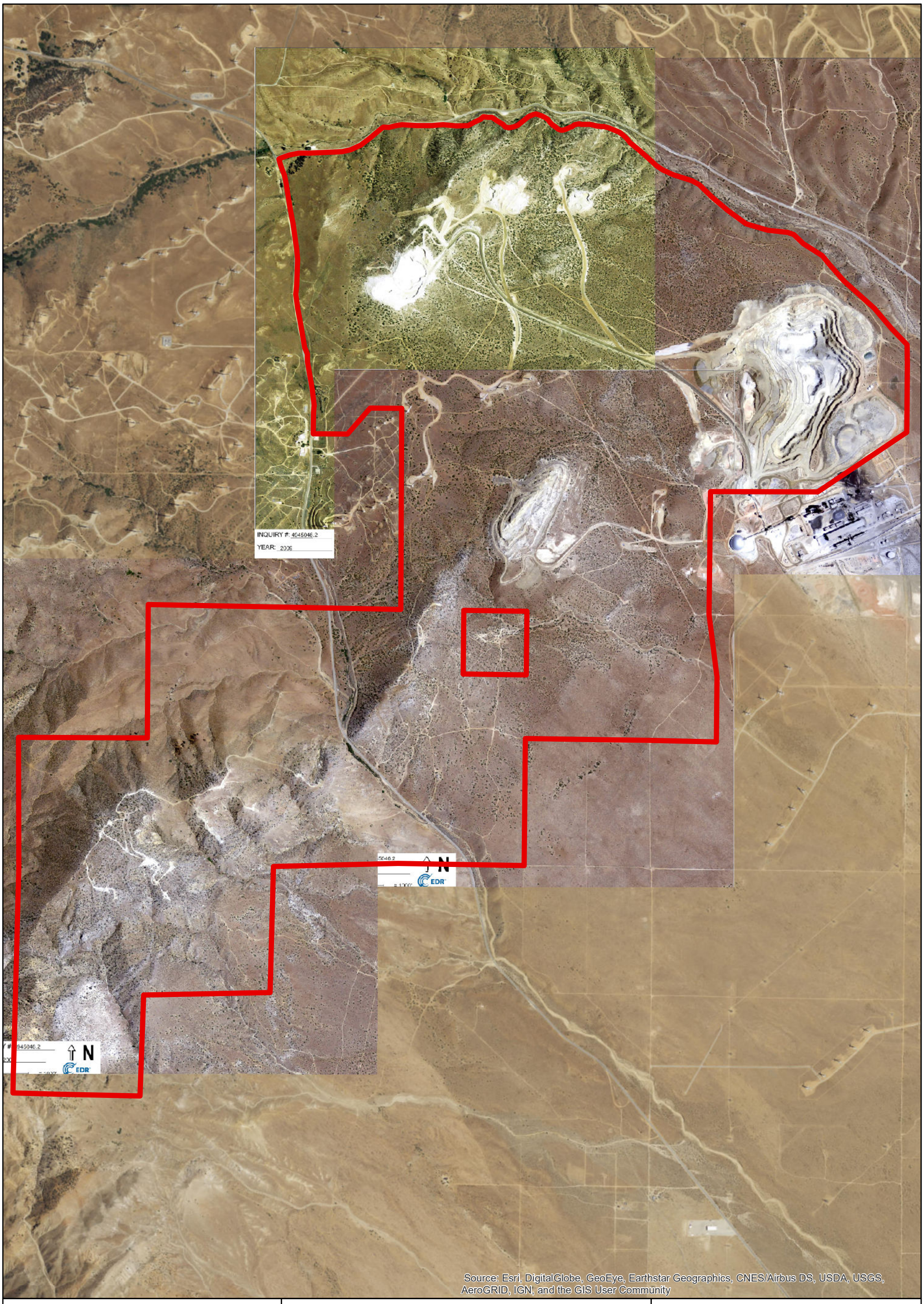
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Miles

Project Area - 2005

Cal Portland Mojave Mine Expansion

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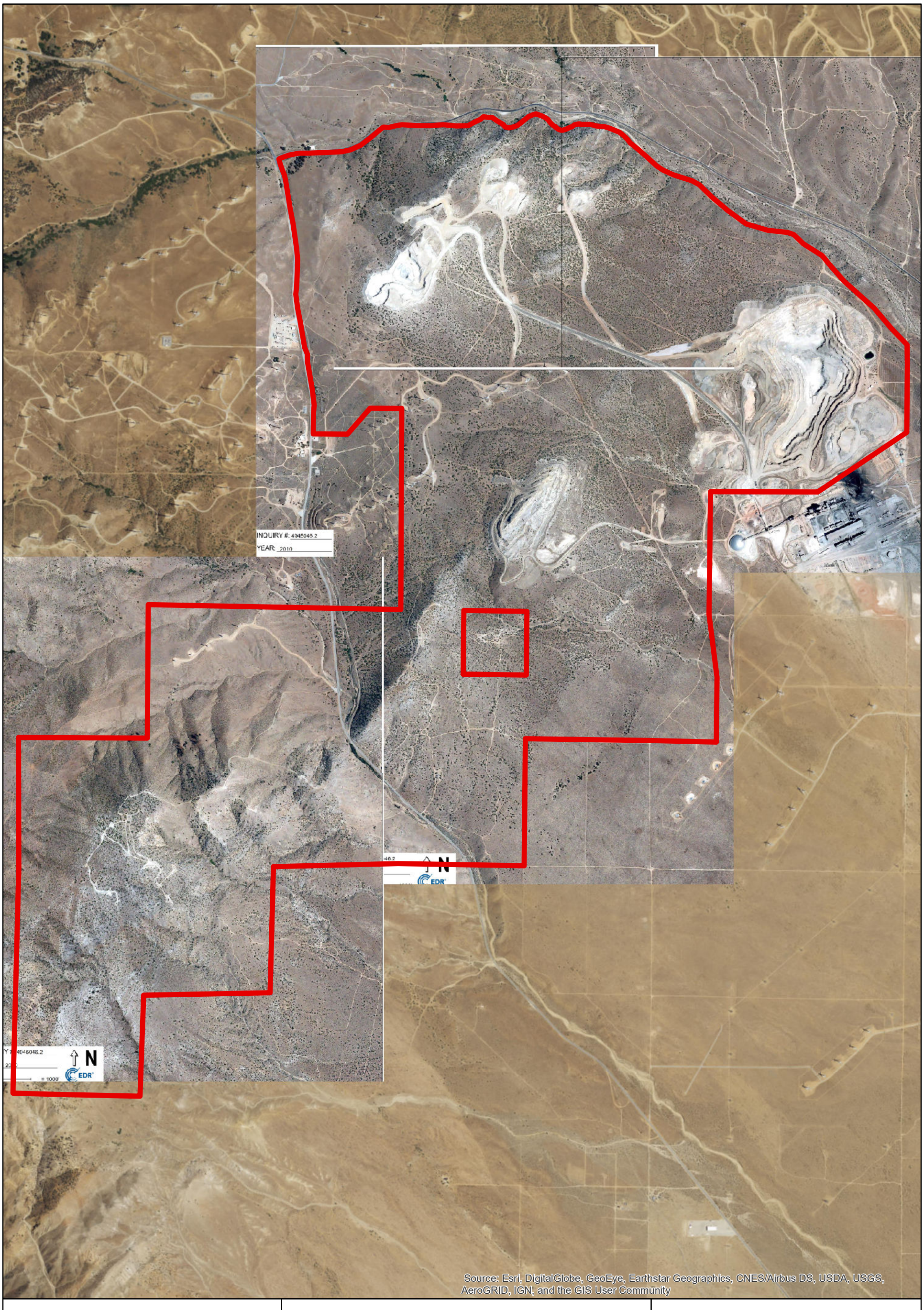
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0 0.25 0.5
Miles

Project Area - 2009

Cal Portland Mojave Mine Expansion

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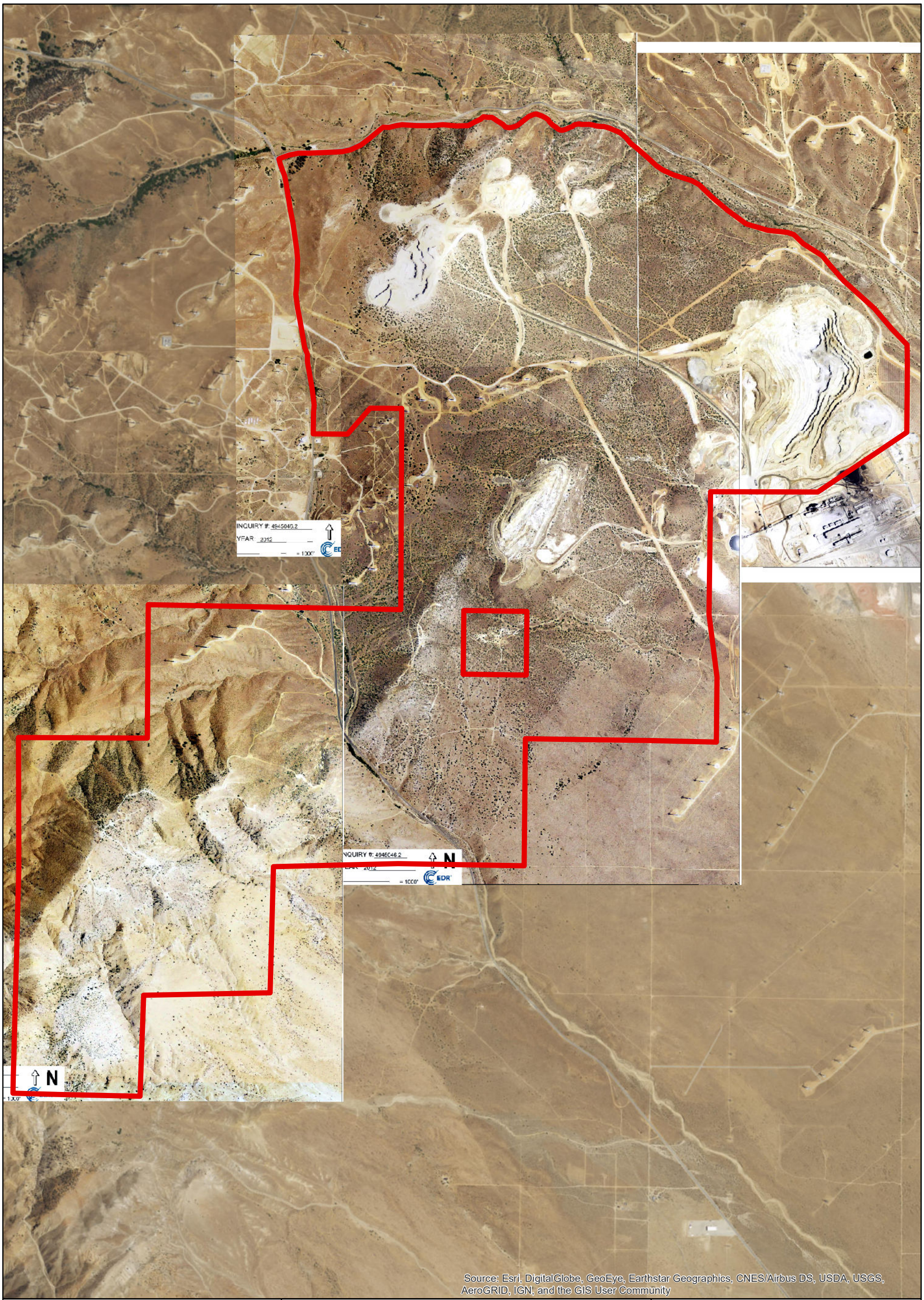
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0 0.25 0.5
Miles

Project Area - 2010

Cal Portland Mojave Mine Expansion

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0 0.25 0.5
Miles

Project Area - 2012

Cal Portland Mojave Mine Expansion

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APPENDIX L

EDR Historical Topo Map Report

Mojave Mine Life Extension Project
9350 Oak Creek Road
Mojave, CA 93501

Inquiry Number: 4945046.1
May 23, 2017

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

05/23/17

Site Name:

Mojave Mine Life Extension Pr
9350 Oak Creek Road
Mojave, CA 93501
EDR Inquiry # 4945046.1

Client Name:

Provost & Pritchard Eng. Group
286 West Cromwell Ave.
Fresno, CA 93711
Contact: Stephanie Gillaspy

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

Search Results:

P.O.# NA
Project: NA

Coordinates:

Latitude:	35.029117 35° 1' 45" North
Longitude:	-118.338221 -118° 20' 18" West
UTM Zone:	Zone 11 North
UTM X Meters:	377924.57
UTM Y Meters:	3877090.42
Elevation:	4222.14' above sea level

Maps Provided:

2012	1947
1995	1943
1983	1917
1980	1915
1973	
1973, 1974	
1966	
1965, 1966	

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Topo Sheet Key

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

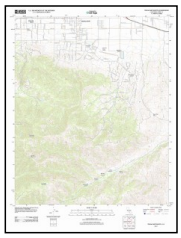
2012 Source Sheets



Tylerhorse Canyon
2012
7.5-minute, 24000



Willow Springs
2012
7.5-minute, 24000

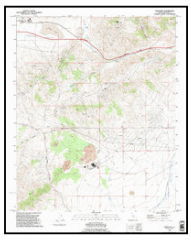


Tehachapi South
2012
7.5-minute, 24000



Monolith
2012
7.5-minute, 24000

1995 Source Sheets



Monolith
1995
7.5-minute, 24000
Aerial Photo Revised 1992



Tehachapi South
1995
7.5-minute, 24000
Aerial Photo Revised 1992



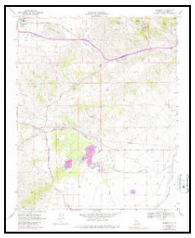
Tylerhorse Canyon
1995
7.5-minute, 24000
Aerial Photo Revised 1989

1983 Source Sheets



TEHACHAPI
1983
15-minute, 50000

1980 Source Sheets

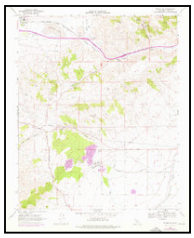


Monolith
1980
7.5-minute, 24000
Aerial Photo Revised 1973

Topo Sheet Key

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

1973 Source Sheets



Monolith
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1973, 1974 Source Sheets

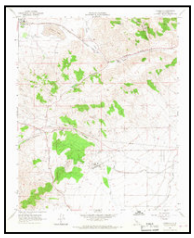


Willow Springs
1974
7.5-minute, 24000
Aerial Photo Revised 1963



Tehachapi South
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1966 Source Sheets



Monolith
1966
7.5-minute, 24000
Aerial Photo Revised 1963

1965, 1966 Source Sheets



Willow Springs
1965
7.5-minute, 24000
Aerial Photo Revised 1963

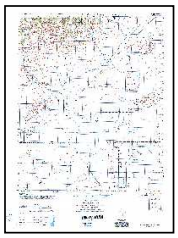


Tylerhorse Canyon
1965
7.5-minute, 24000
Aerial Photo Revised 1963

Topo Sheet Key

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

1947 Source Sheets



WILLOW SPRINGS
1947
15-minute, 50000



TEHACHAPI
1947
15-minute, 50000

1943 Source Sheets



Tehachapi
1943
15-minute, 62500
Aerial Photo Revised 1943



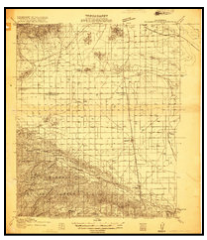
Willow Springs
1943
15-minute, 62500
Aerial Photo Revised 1943

1917 Source Sheets



Elizabeth Lake
1917
30-minute, 125000

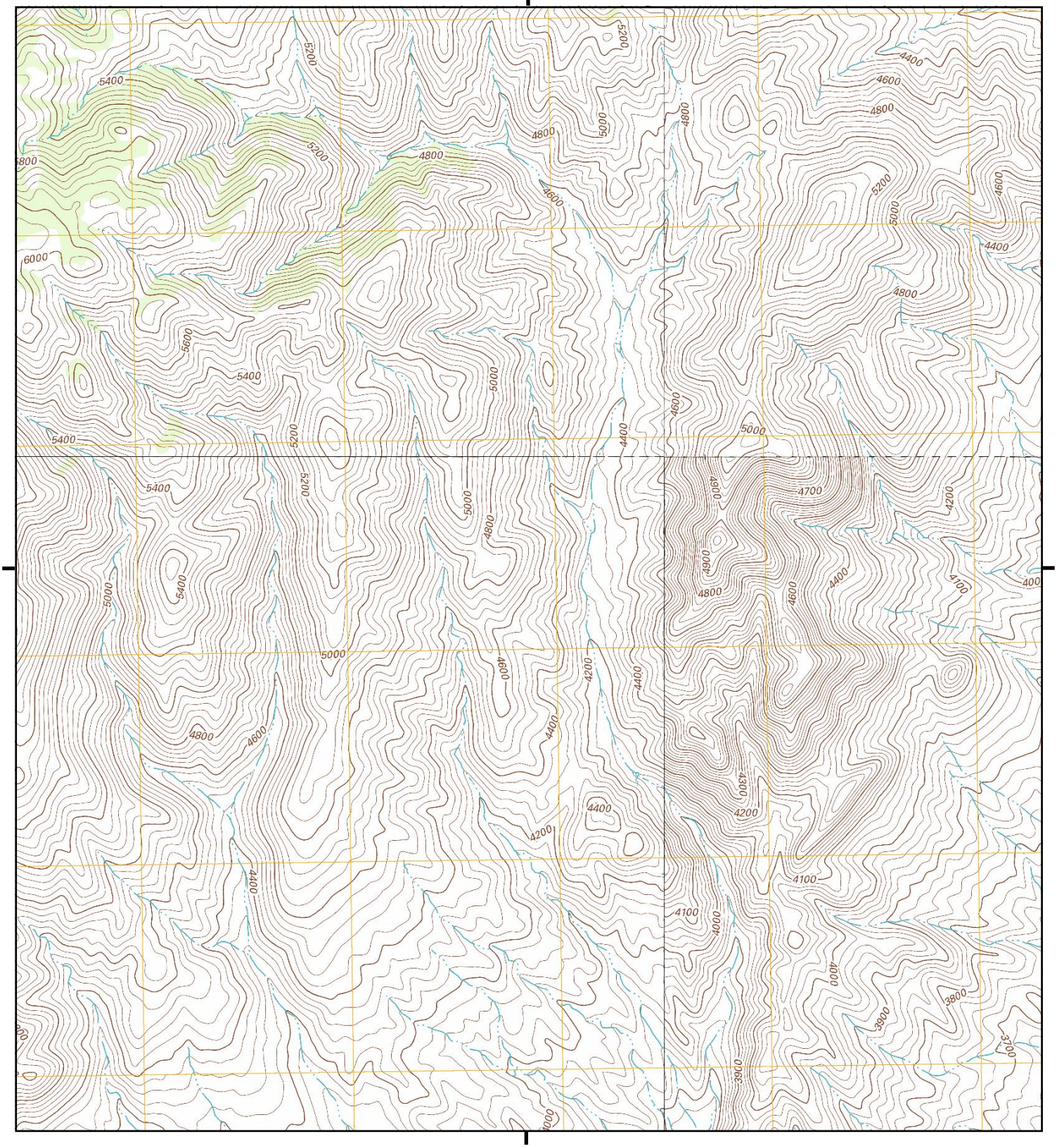
1915 Source Sheets



Elizabeth Lake
1915
30-minute, 96000

Historical Topo Map

2012



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

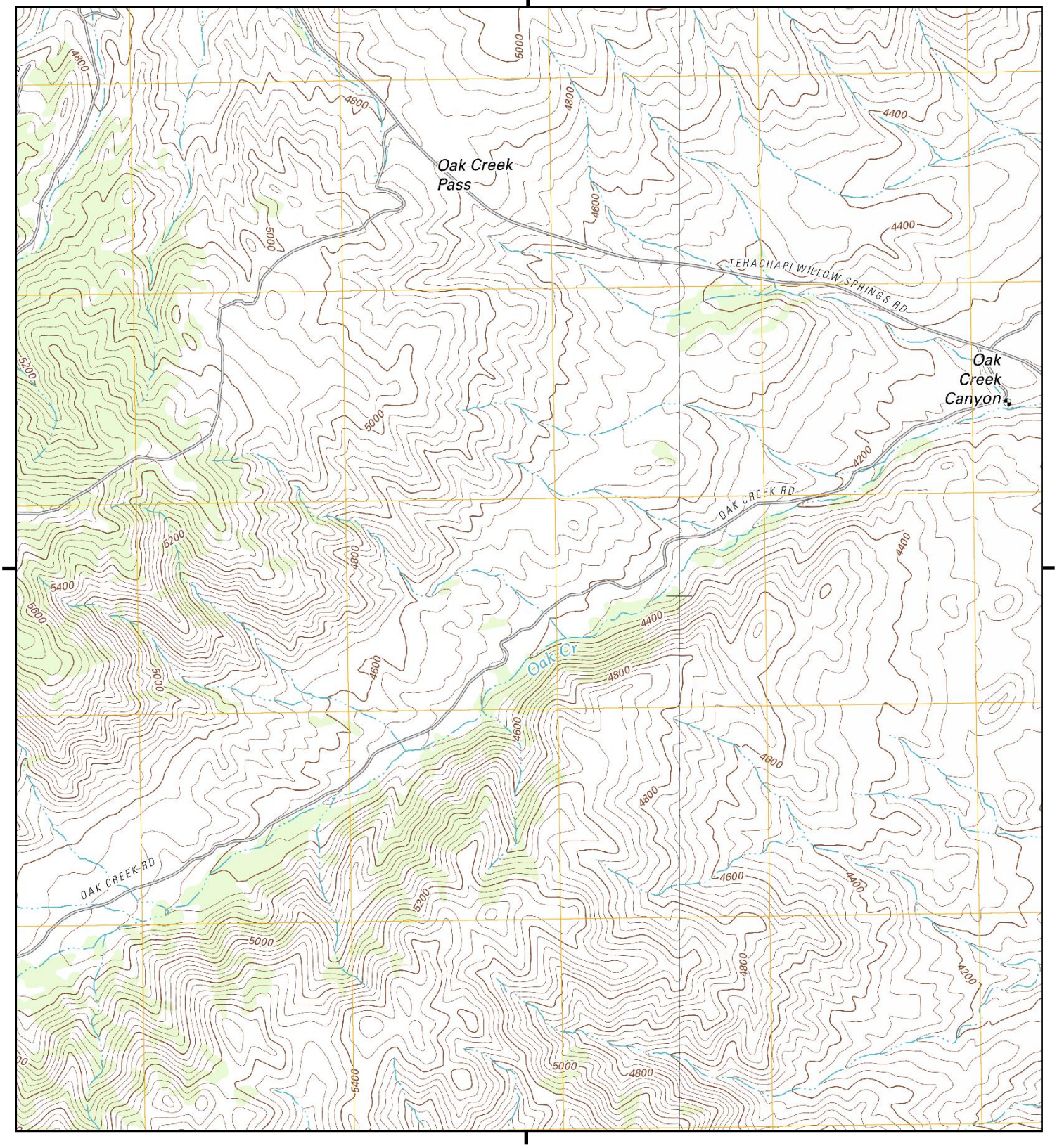
TP, Tylerhorse Canyon, 2012, 7.5-minute
N, Monolith, 2012, 7.5-minute
SE, Willow Springs, 2012, 7.5-minute
NW, Tehachapi South, 2012, 7.5-minute

SITE NAME: Mojave Mine Life Extension Project
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N

Historical Topo Map

2012



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0 Miles 0.25 0.5 1 1.5

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W E
SW S SE

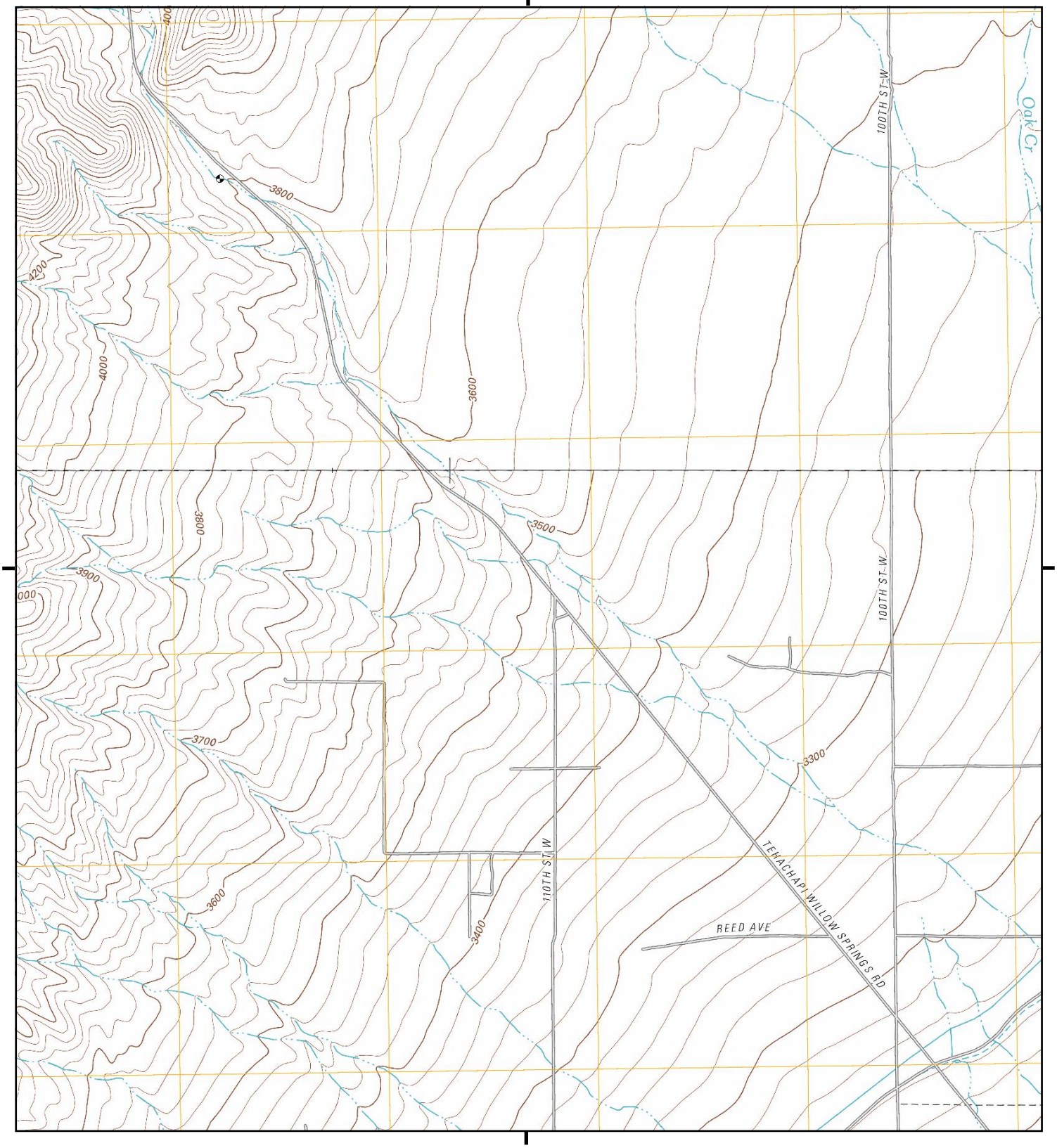
TP, Tehachapi South, 2012, 7.5-minute
E, Monolith, 2012, 7.5-minute

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NW N NE
W E
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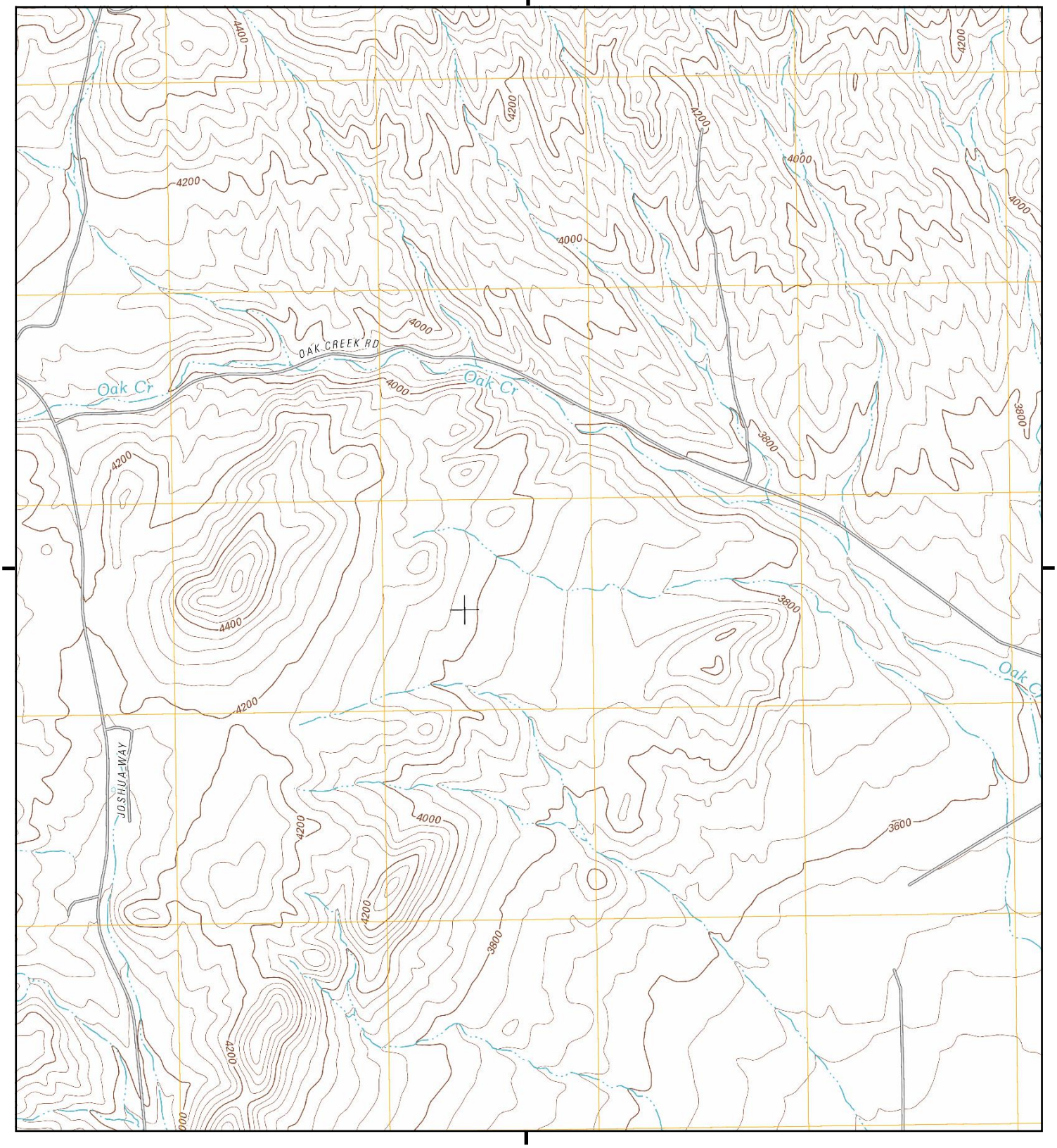
TP, Willow Springs, 2012, 7.5-minute
N, Monolith, 2012, 7.5-minute

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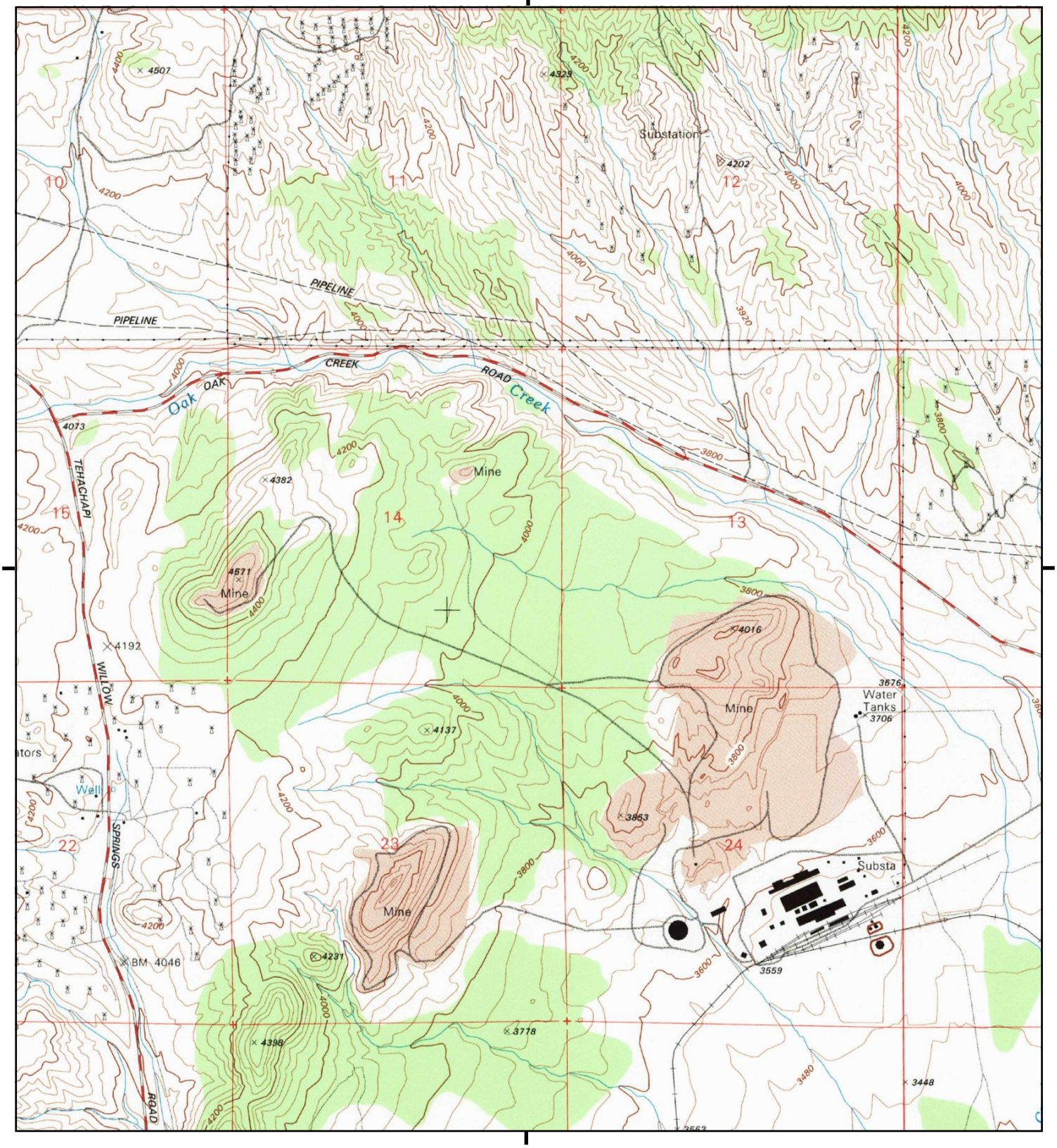
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Monolith, 2012, 7.5-minute

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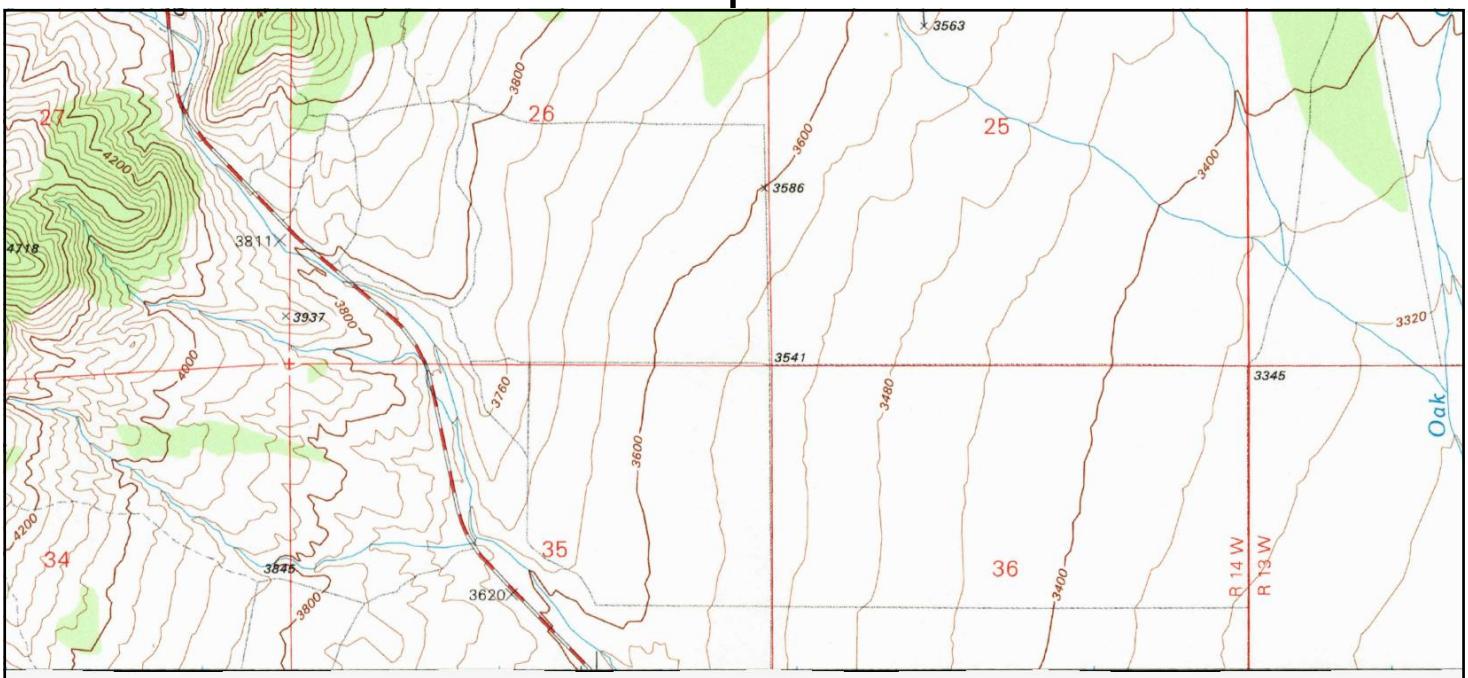
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Monolith, 1995, 7.5-minute

SITE NAME: Mojave Mine Life Extension Project
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N



UNMAPPED

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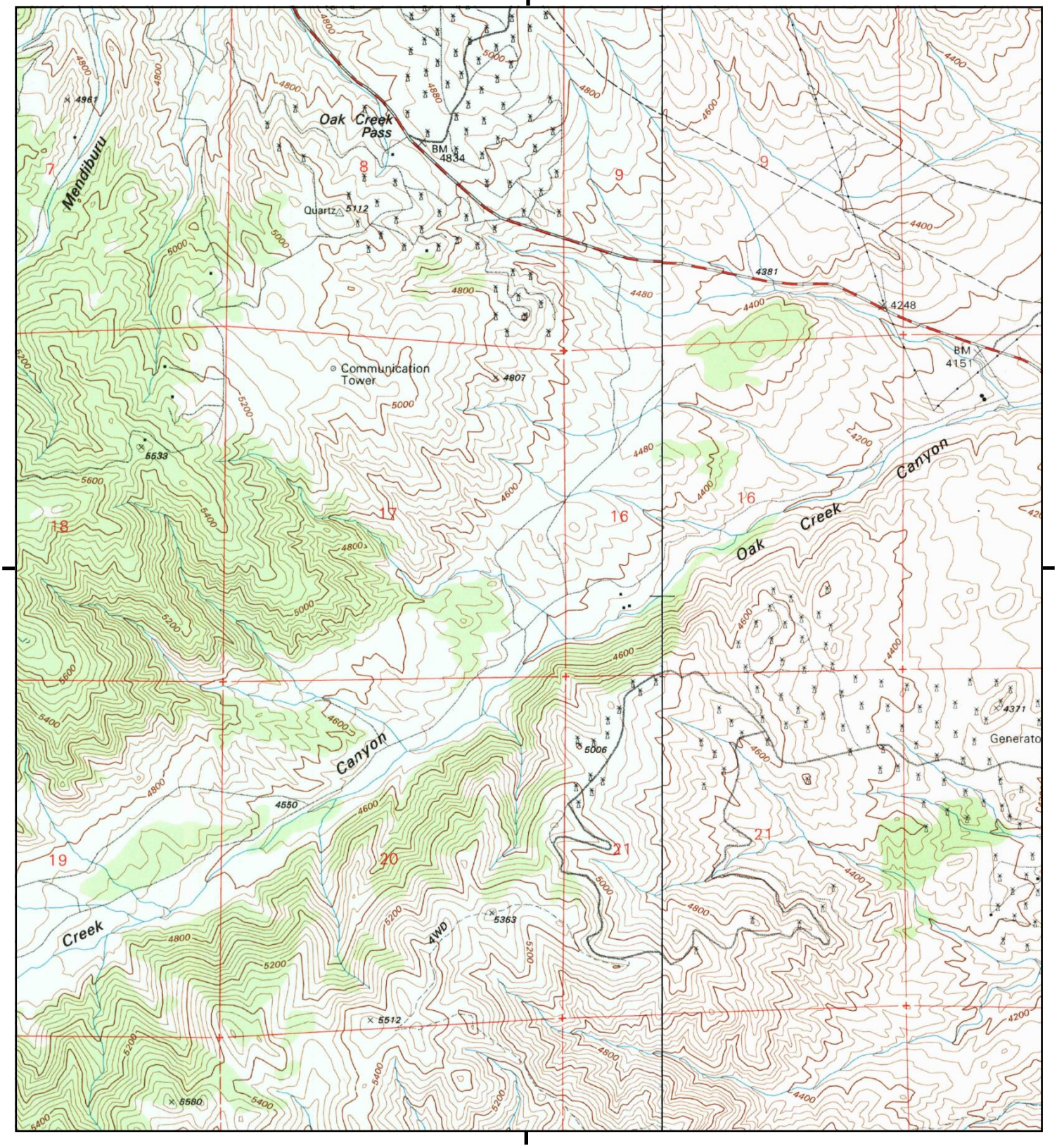
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Monolith, 1995, 7.5-minute

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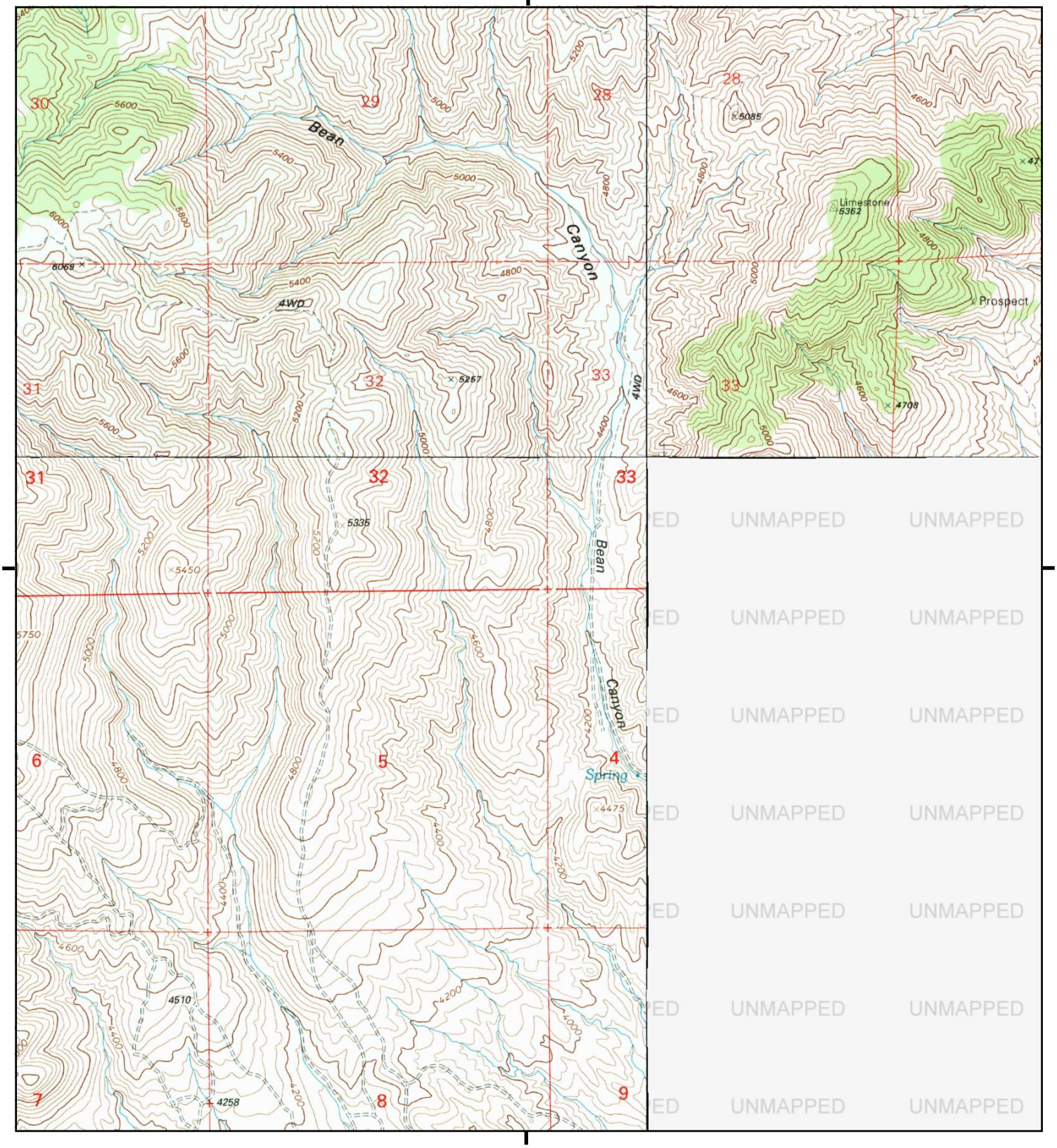
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tehachapi South, 1995, 7.5-minute
E, Monolith, 1995, 7.5-minute

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0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

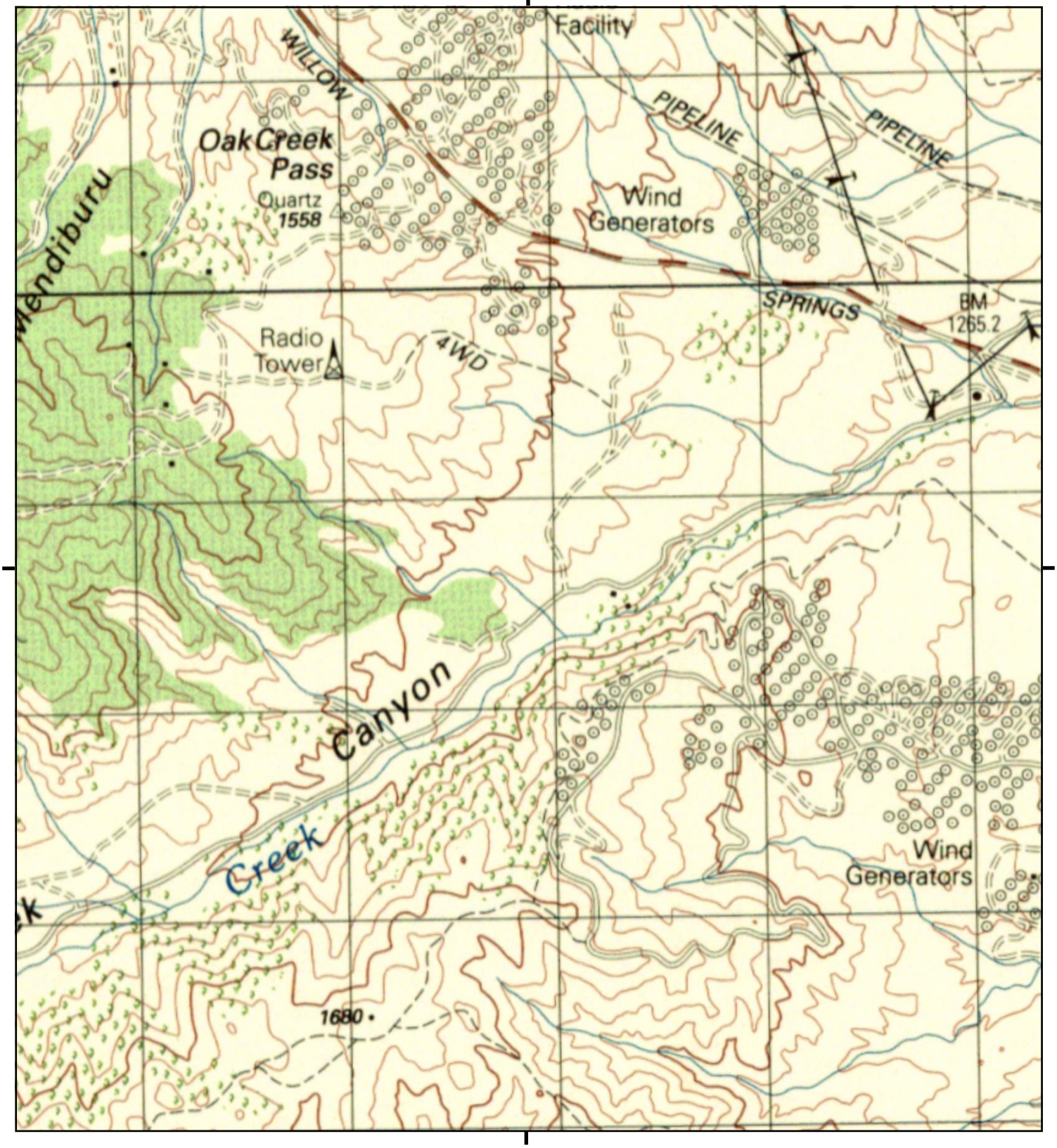
TP, Tylerhorse Canyon, 1995, 7.5-minute
NE, Monolith, 1995, 7.5-minute
NW, Tehachapi South, 1995, 7.5-minute

SITE NAME: Mojave Mine Life Extension Project
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N

Historical Topo Map

1983



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

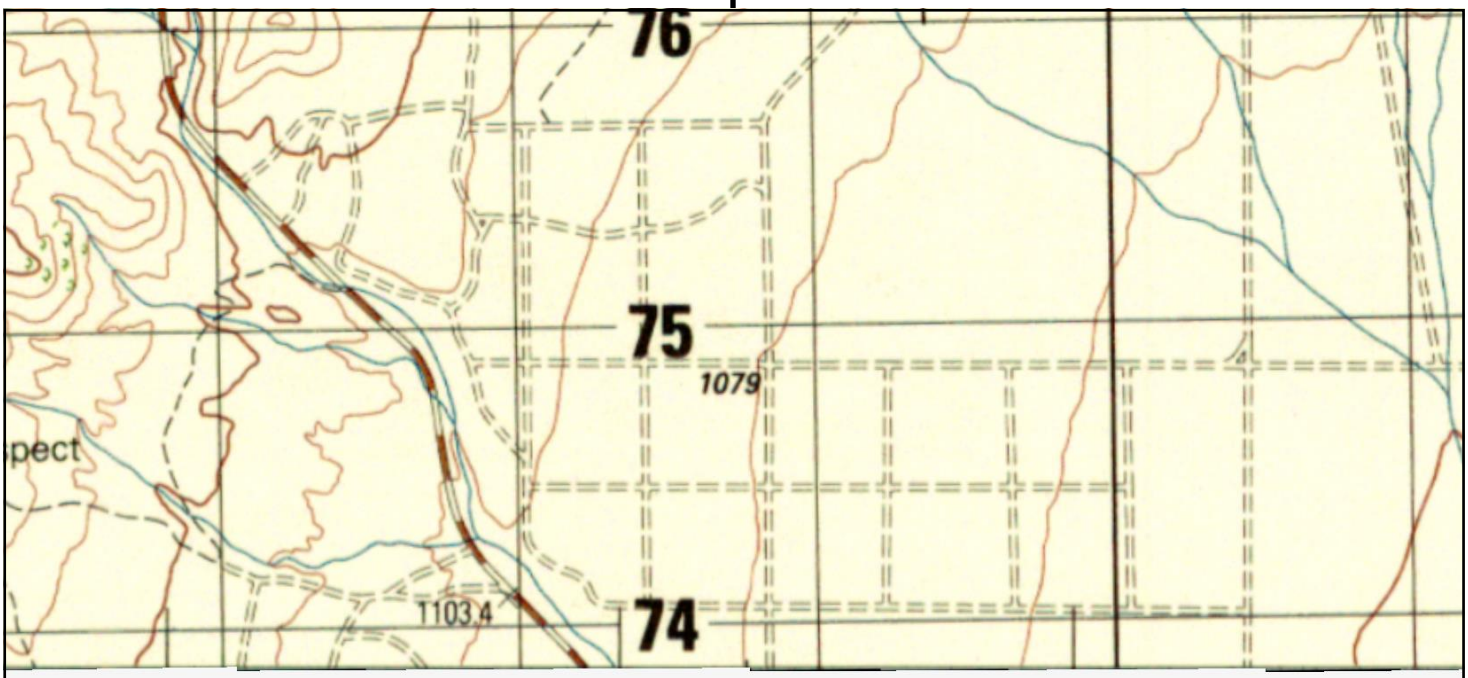
TP, TEHACHAPI, 1983, 15-minute

SITE NAME: Mojave Mine Life Extension Project
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N

Historical Topo Map

1983



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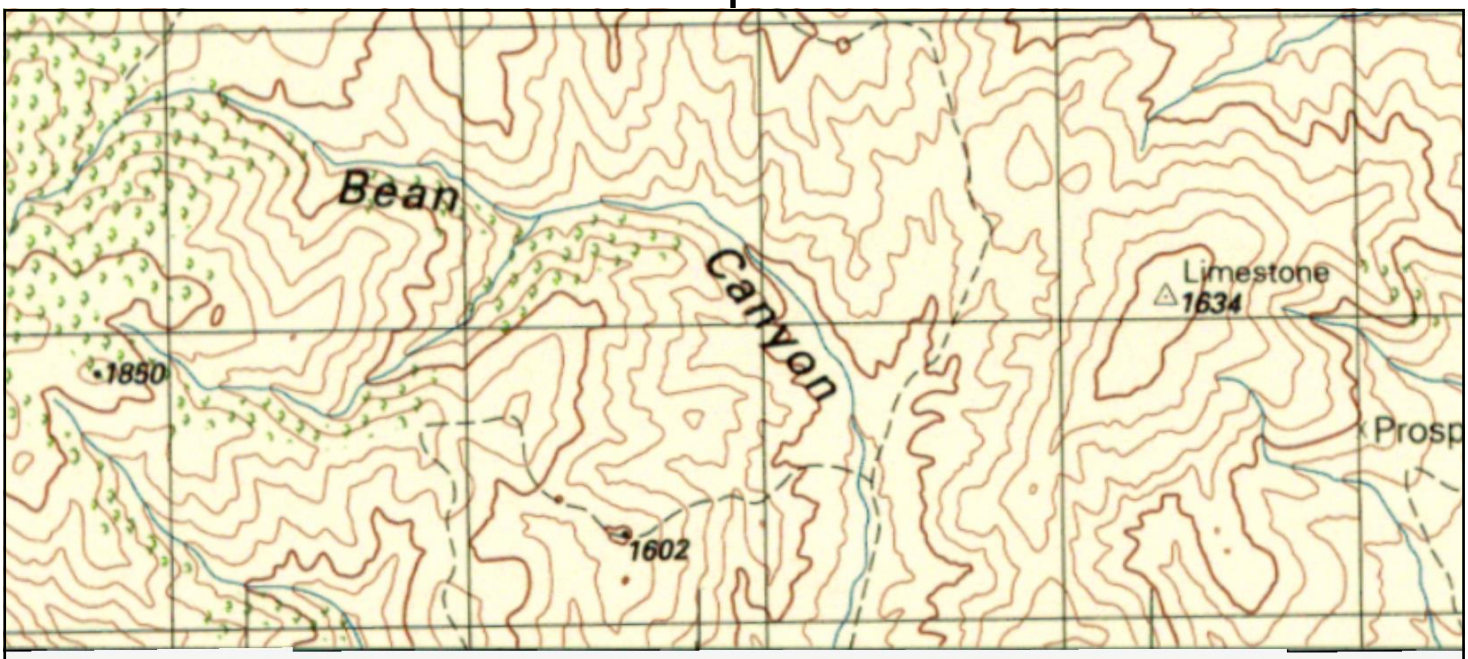
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, TEHACHAPI, 1983, 15-minute

SITE NAME: Mojave Mine Life Extension Project
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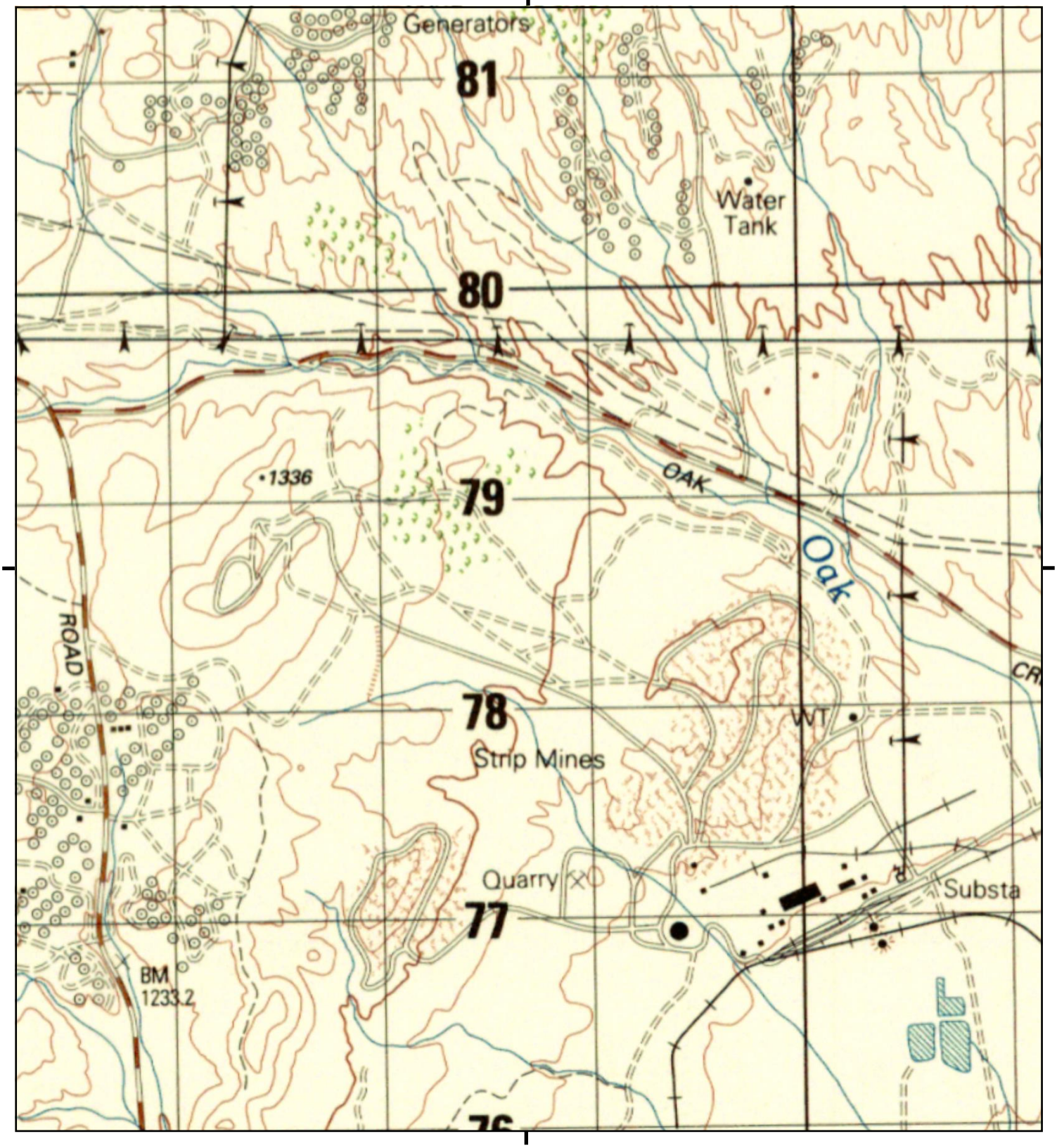
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, TEHACHAPI, 1983, 15-minute

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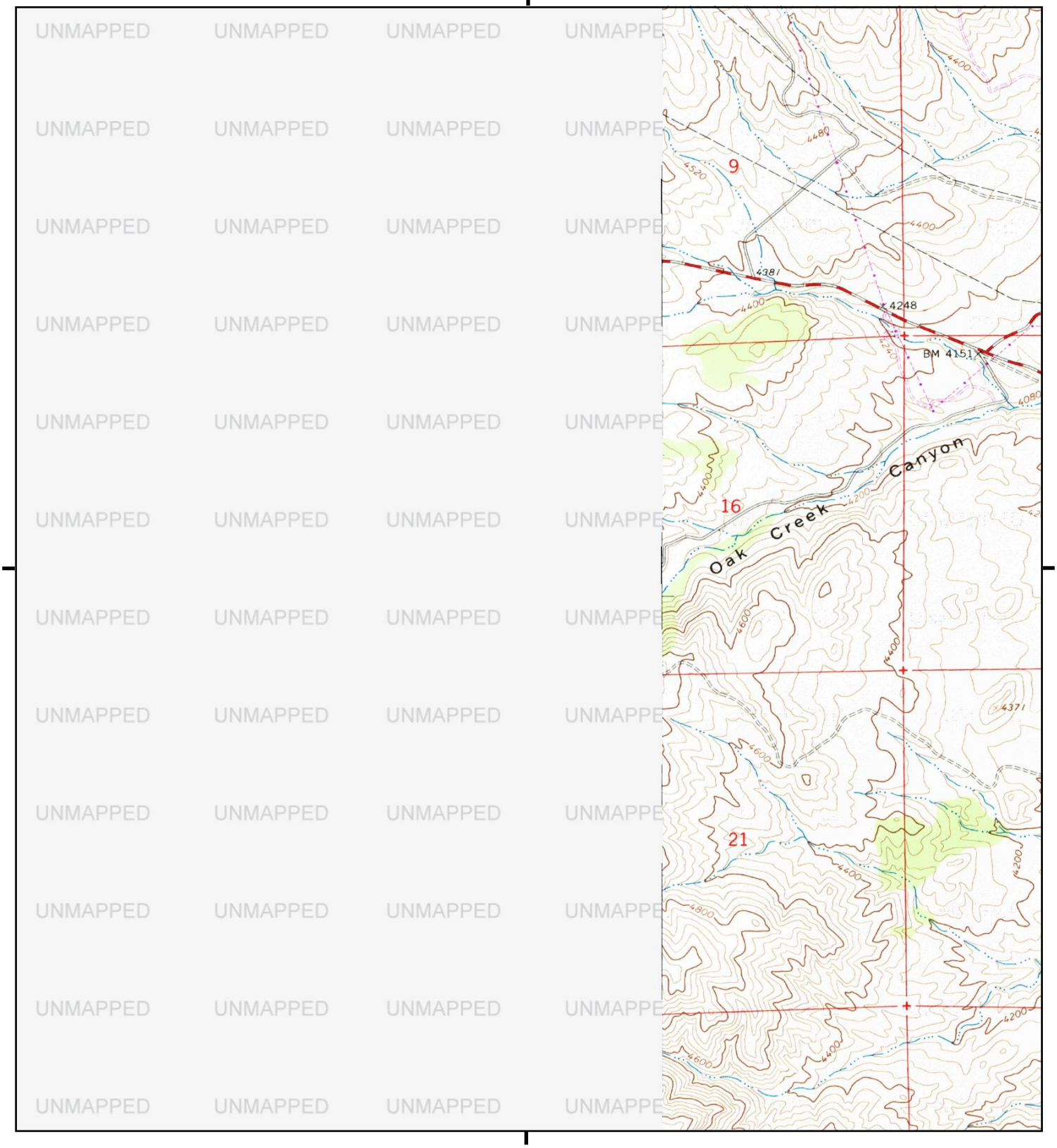
0 Miles 0.25 0.5 1 1.5

NW N NE
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SW S SE

TP, TEHACHAPI, 1983, 15-minute

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NW N NE
W E
SW S SE

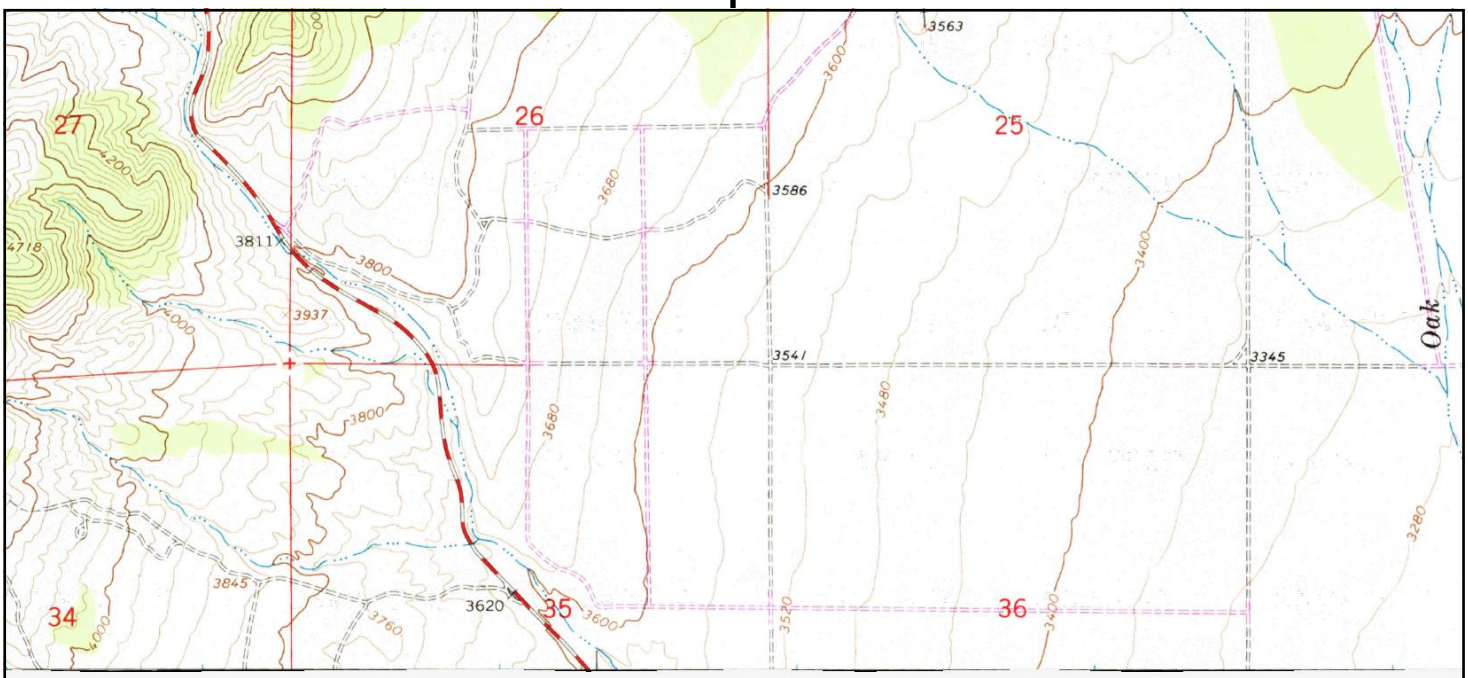
E, Monolith, 1980, 7.5-minute

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Historical Topo Map

1980



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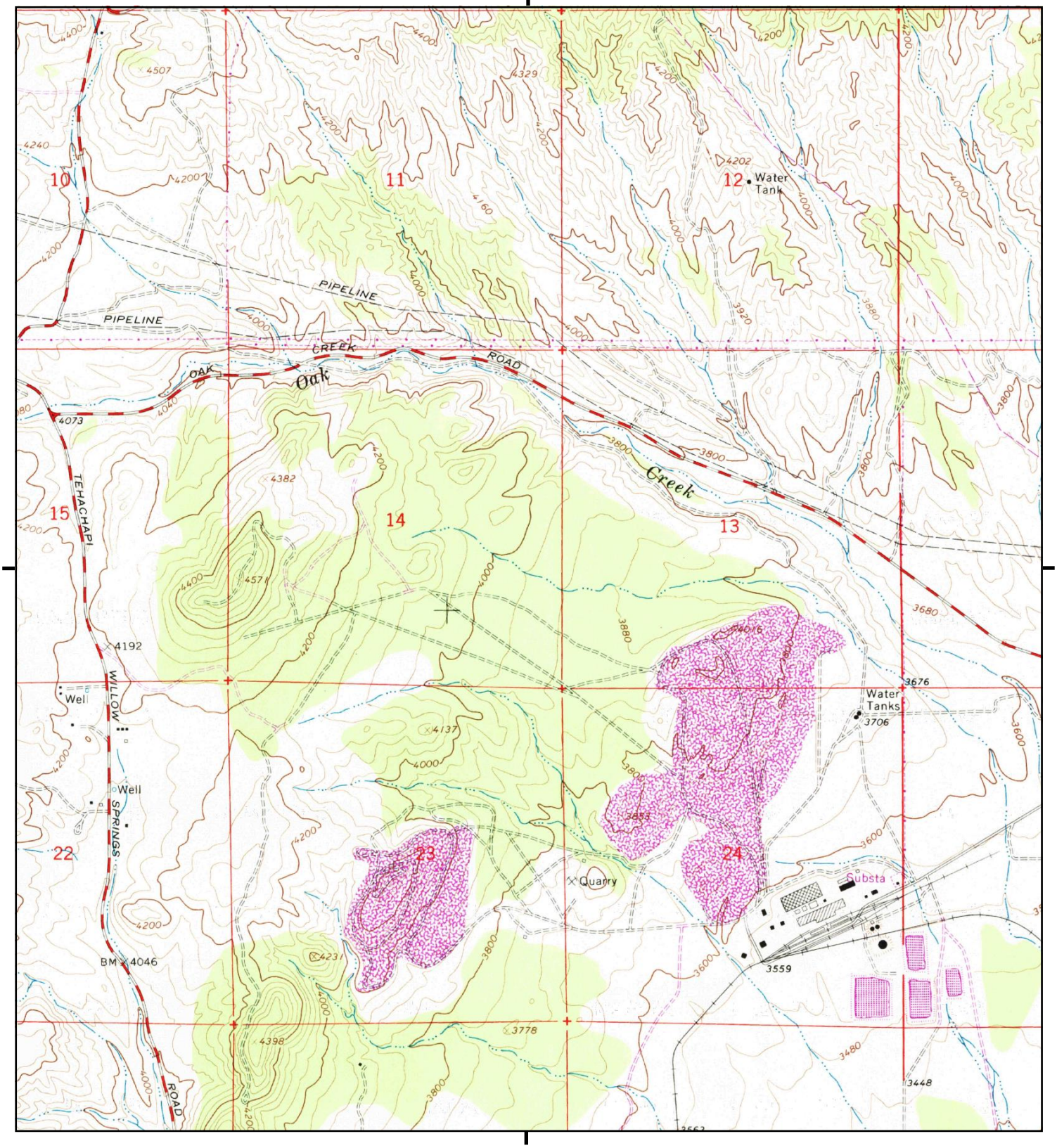
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

N, Monolith, 1980, 7.5-minute

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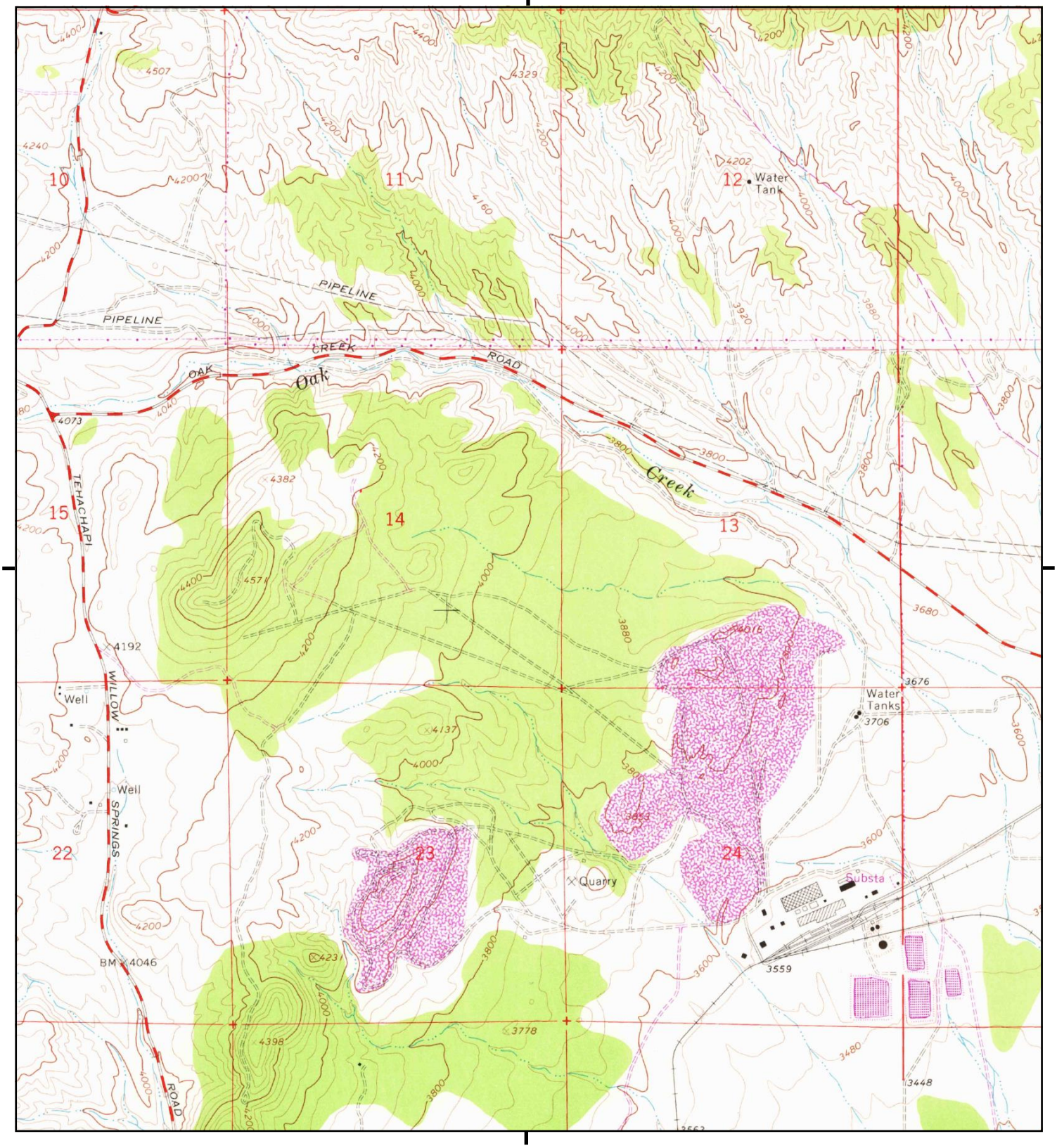
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Monolith, 1980, 7.5-minute

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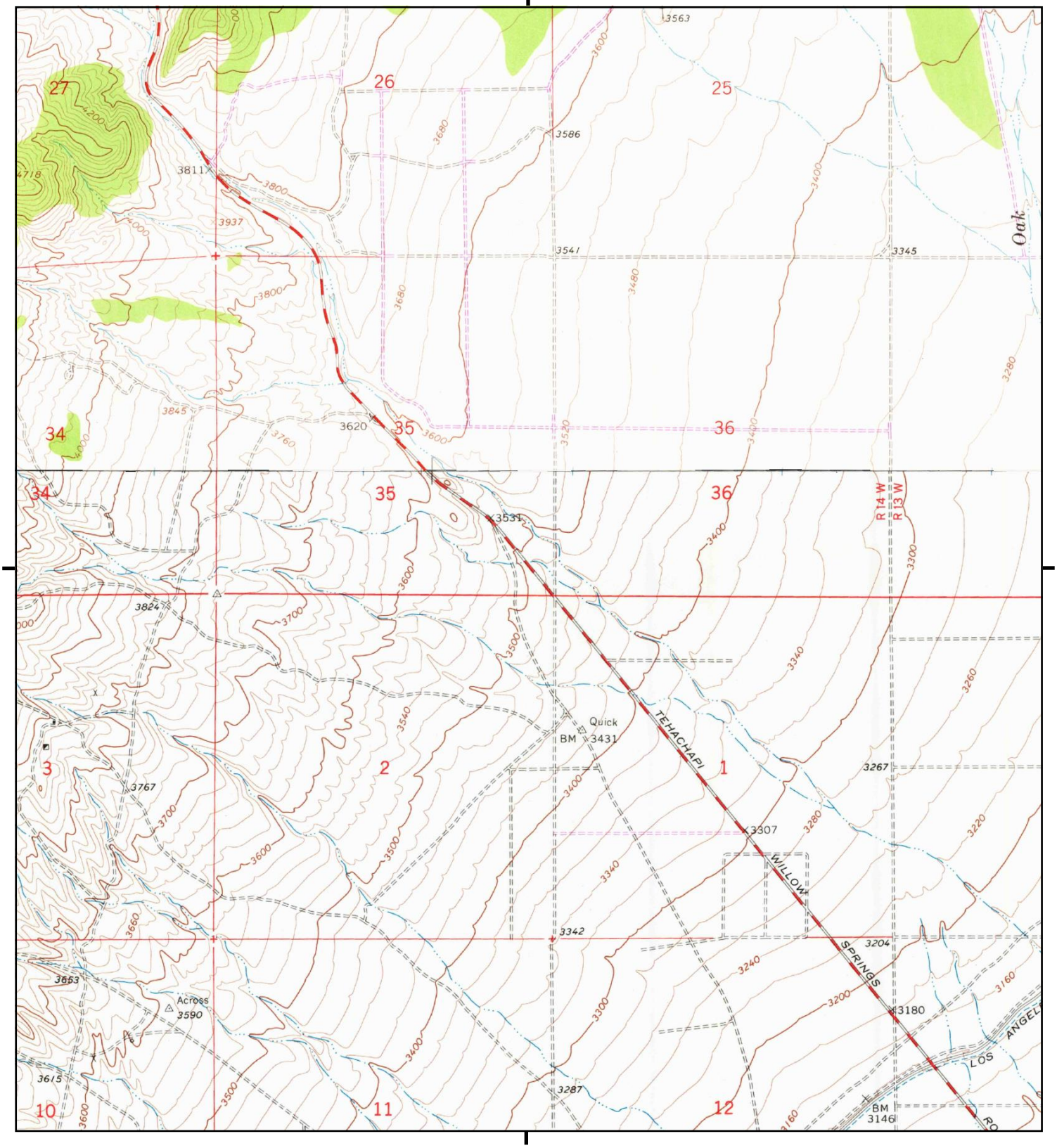
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Monolith, 1973, 7.5-minute

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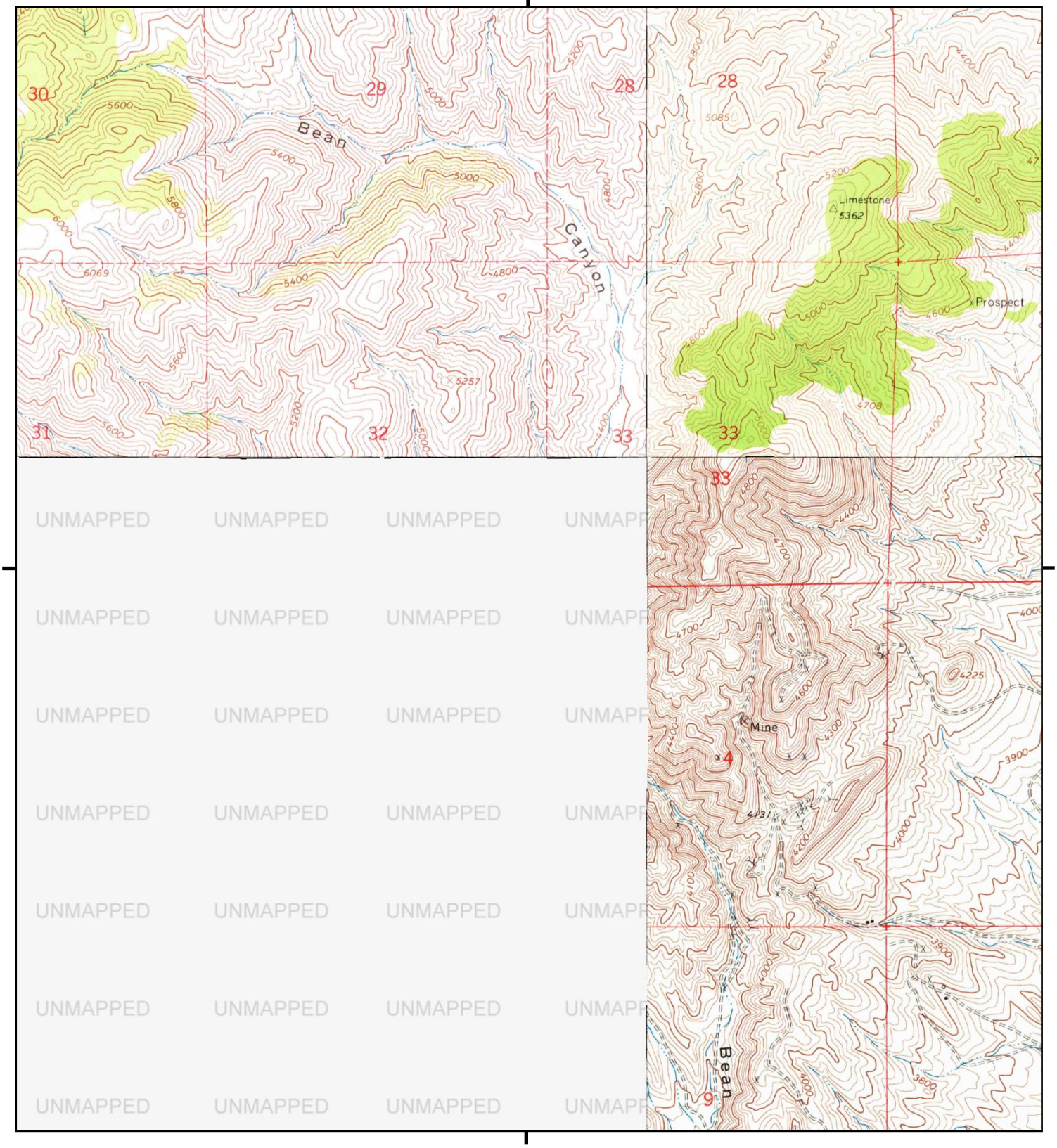
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Willow Springs, 1974, 7.5-minute
N, Monolith, 1973, 7.5-minute

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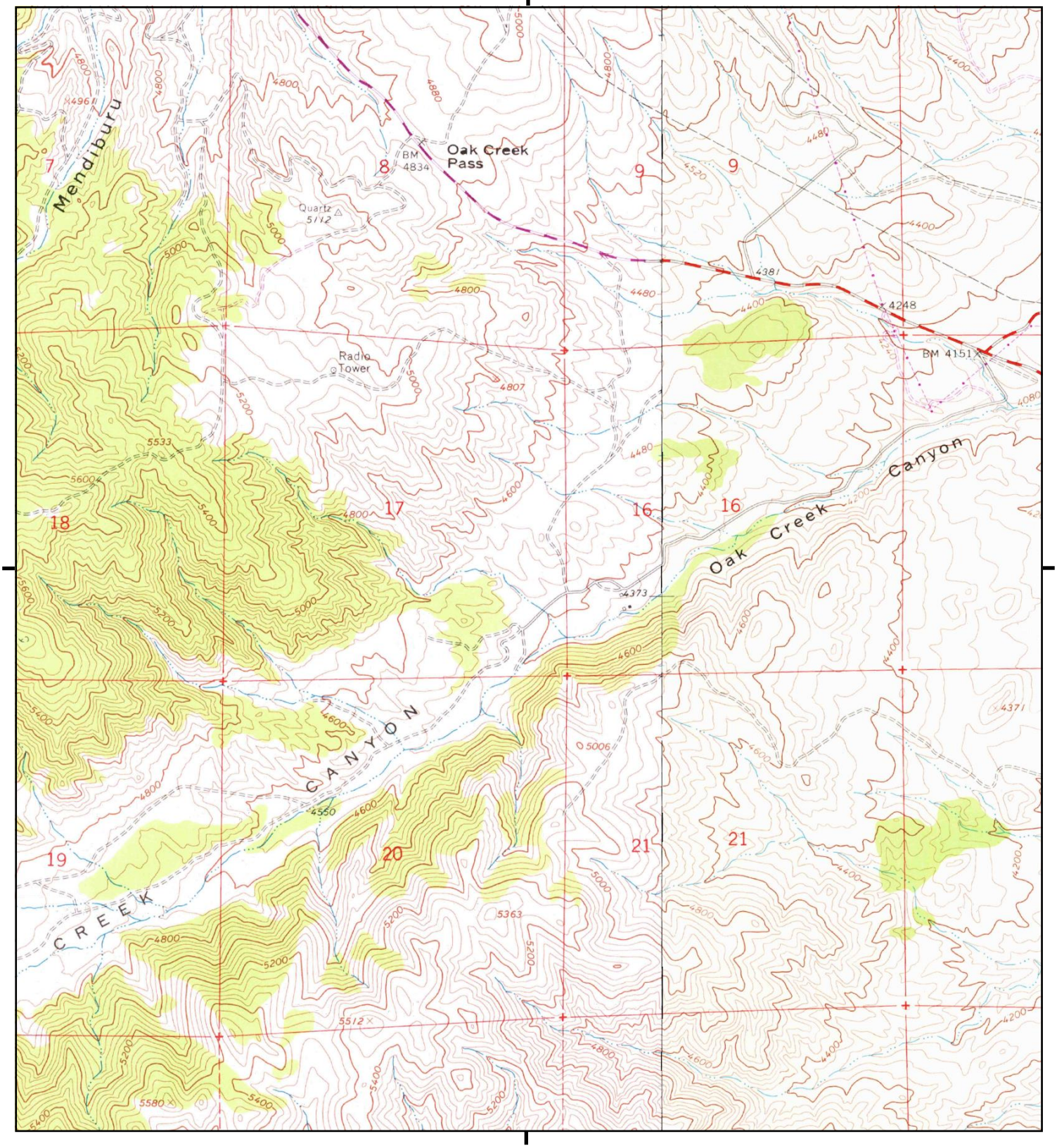
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

NE, Monolith, 1973, 7.5-minute
SE, Willow Springs, 1974, 7.5-minute
NW, Tehachapi South, 1973, 7.5-minute

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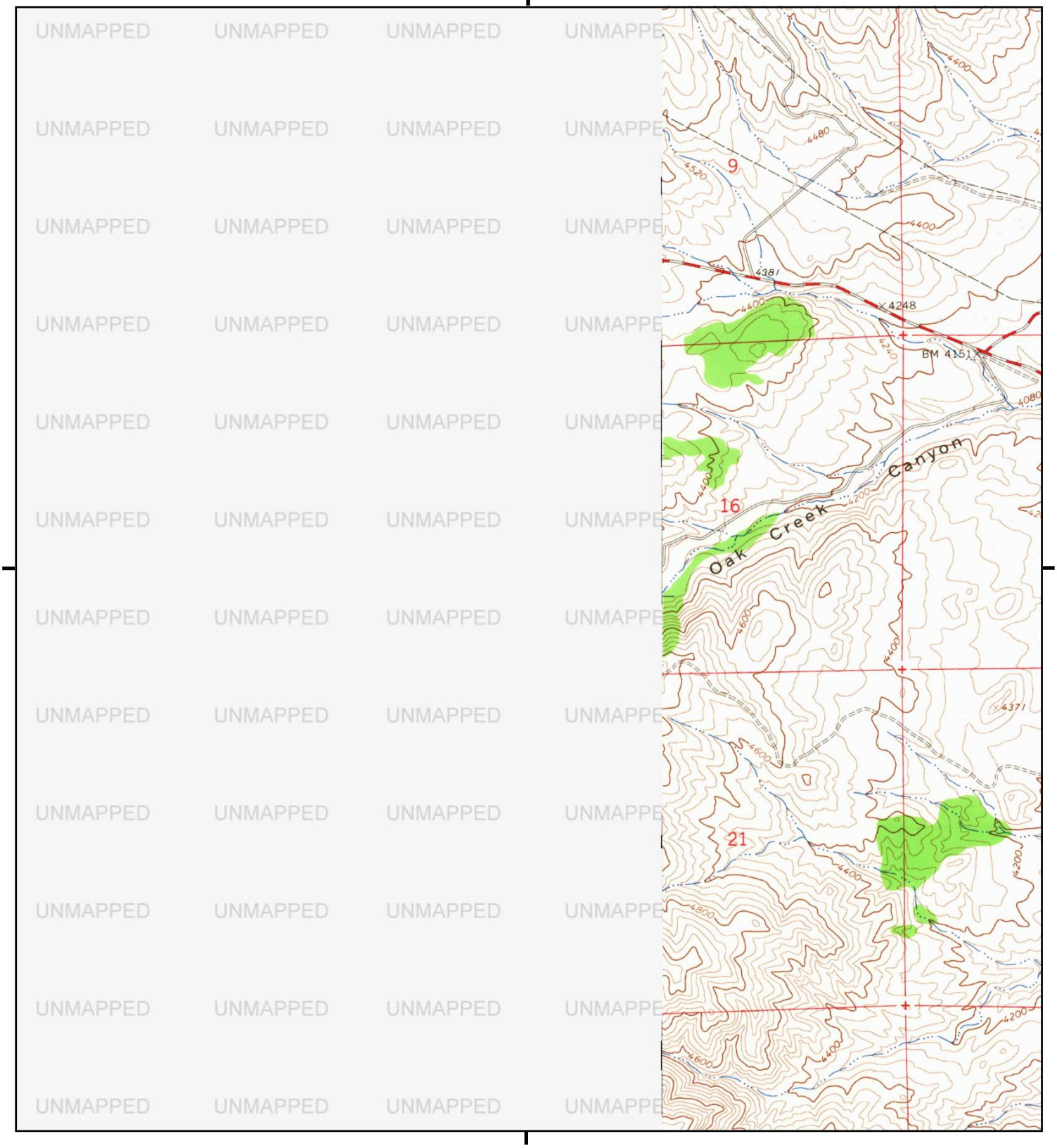
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Tehachapi South, 1973, 7.5-minute
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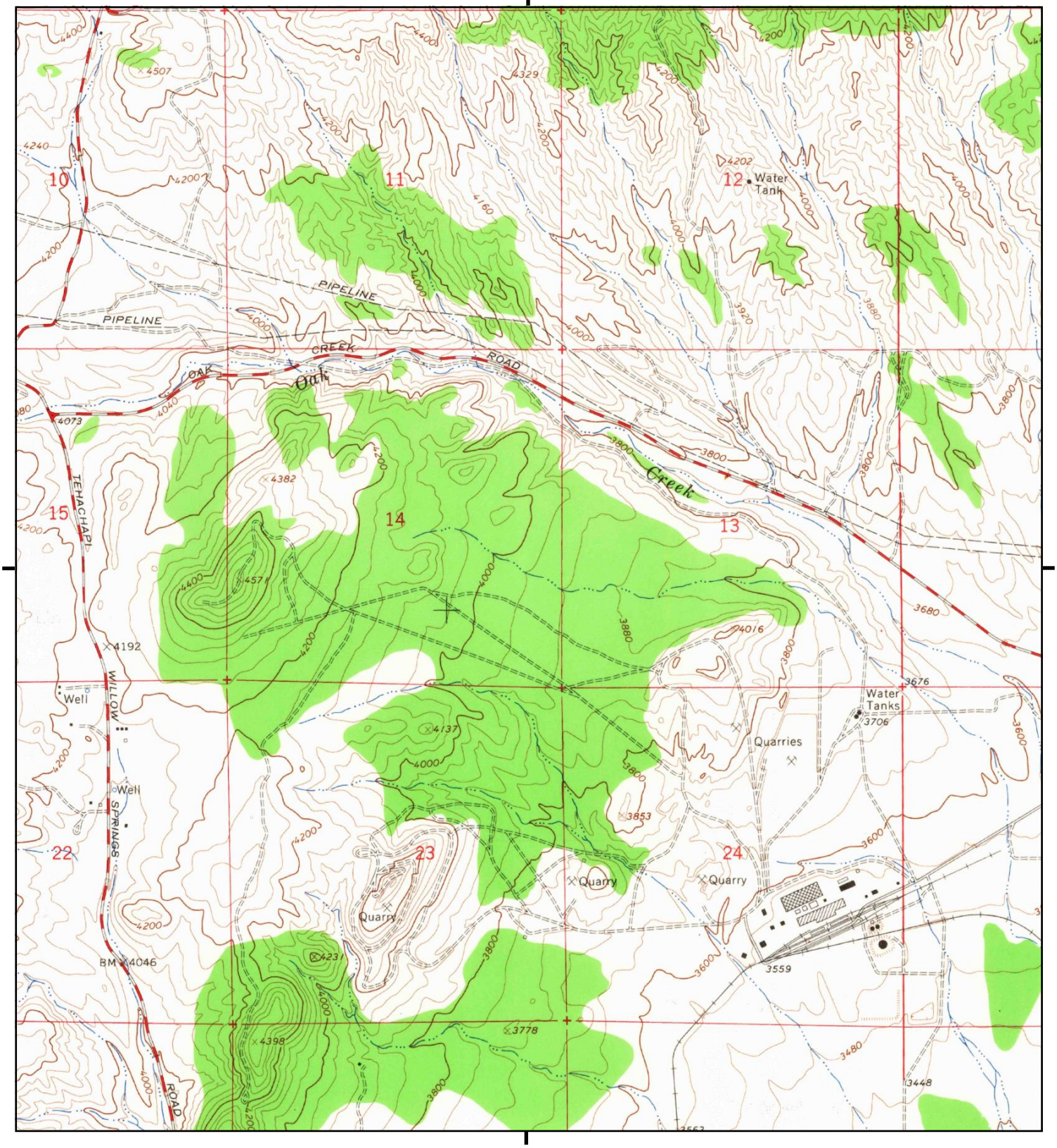
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

E, Monolith, 1966, 7.5-minute

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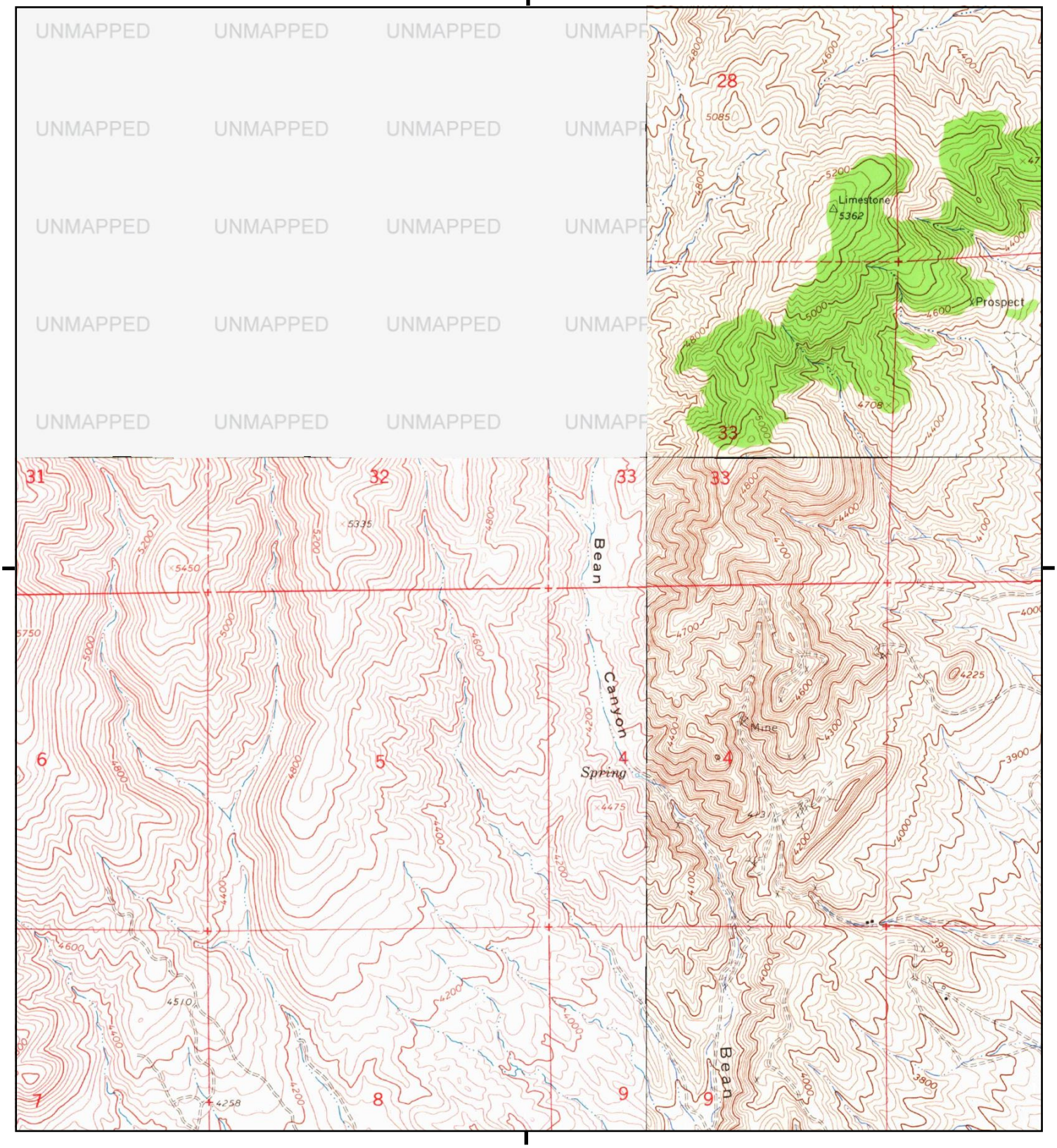
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Monolith, 1966, 7.5-minute

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SW S SE

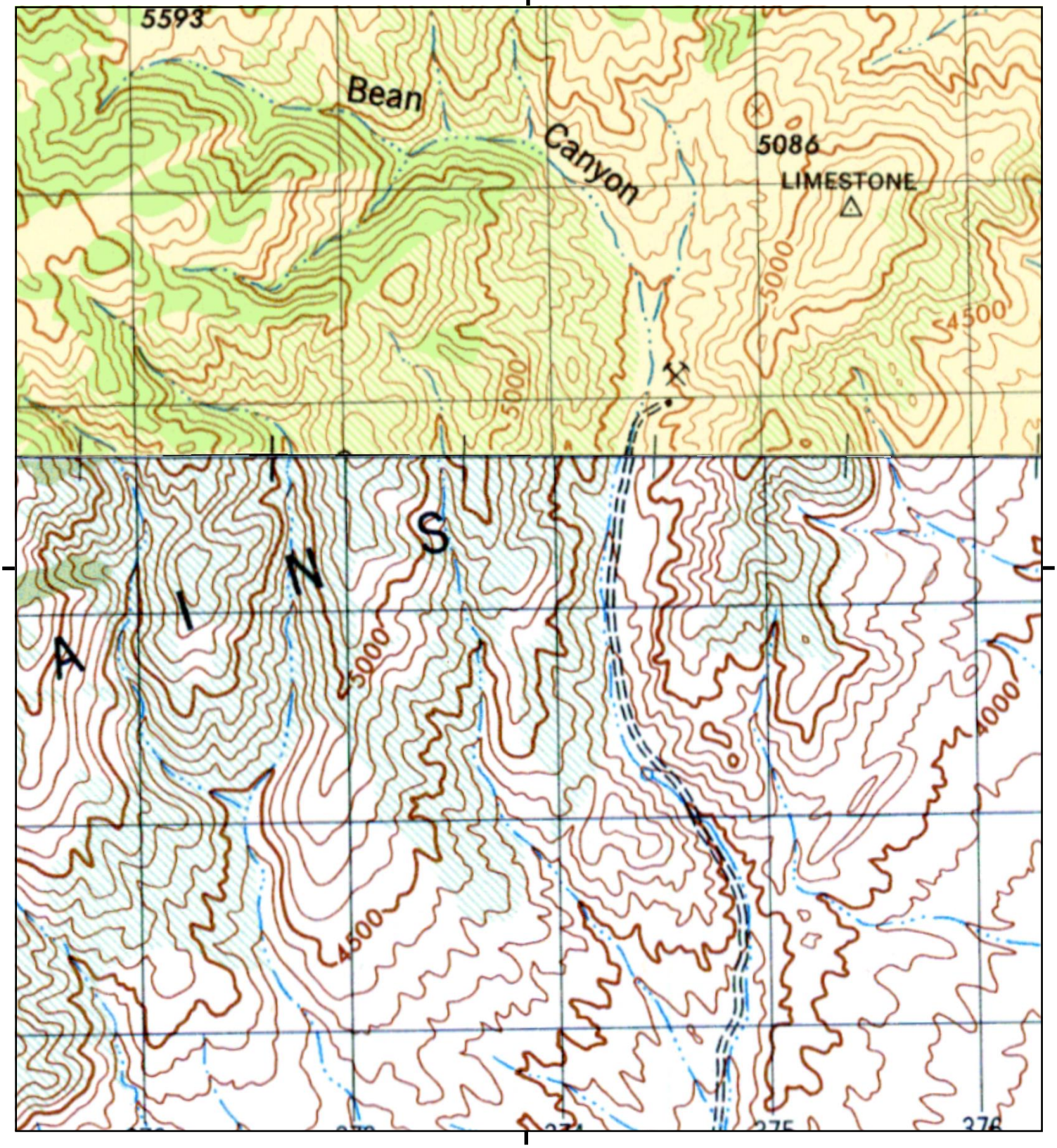
TP, Tylerhorse Canyon, 1965, 7.5-minute
NE, Monolith, 1966, 7.5-minute
SE, Willow Springs, 1965, 7.5-minute

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Historical Topo Map

1947



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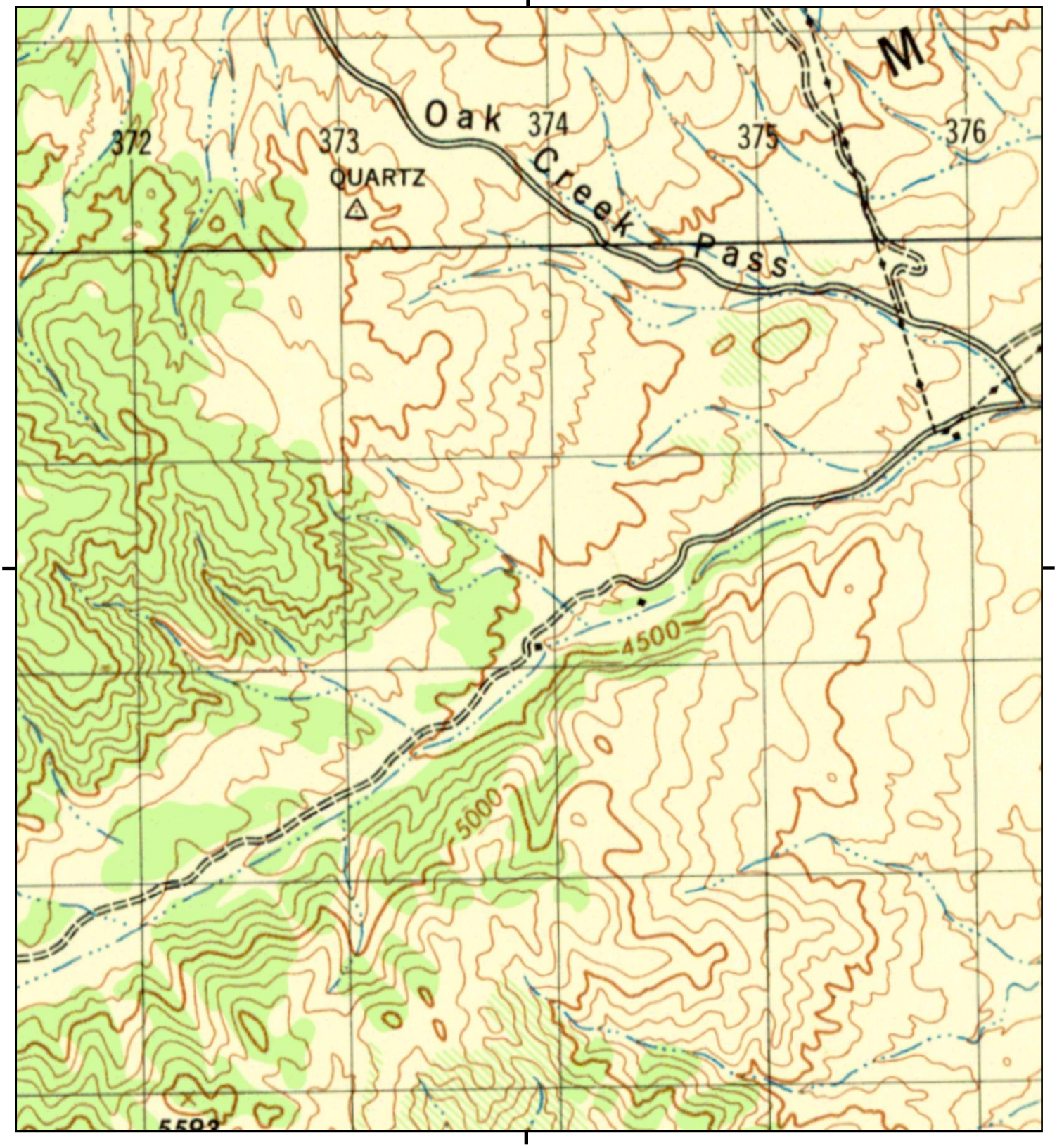
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TP, WILLOW SPRINGS, 1947, 15-minute
N, TEHACHAPI, 1947, 15-minute

SITE NAME: Mojave Mine Life Extension Project
ADDRESS: 9350 Oak Creek Road
Mojave, CA 93501
CLIENT: Provost & Pritchard Eng. Group

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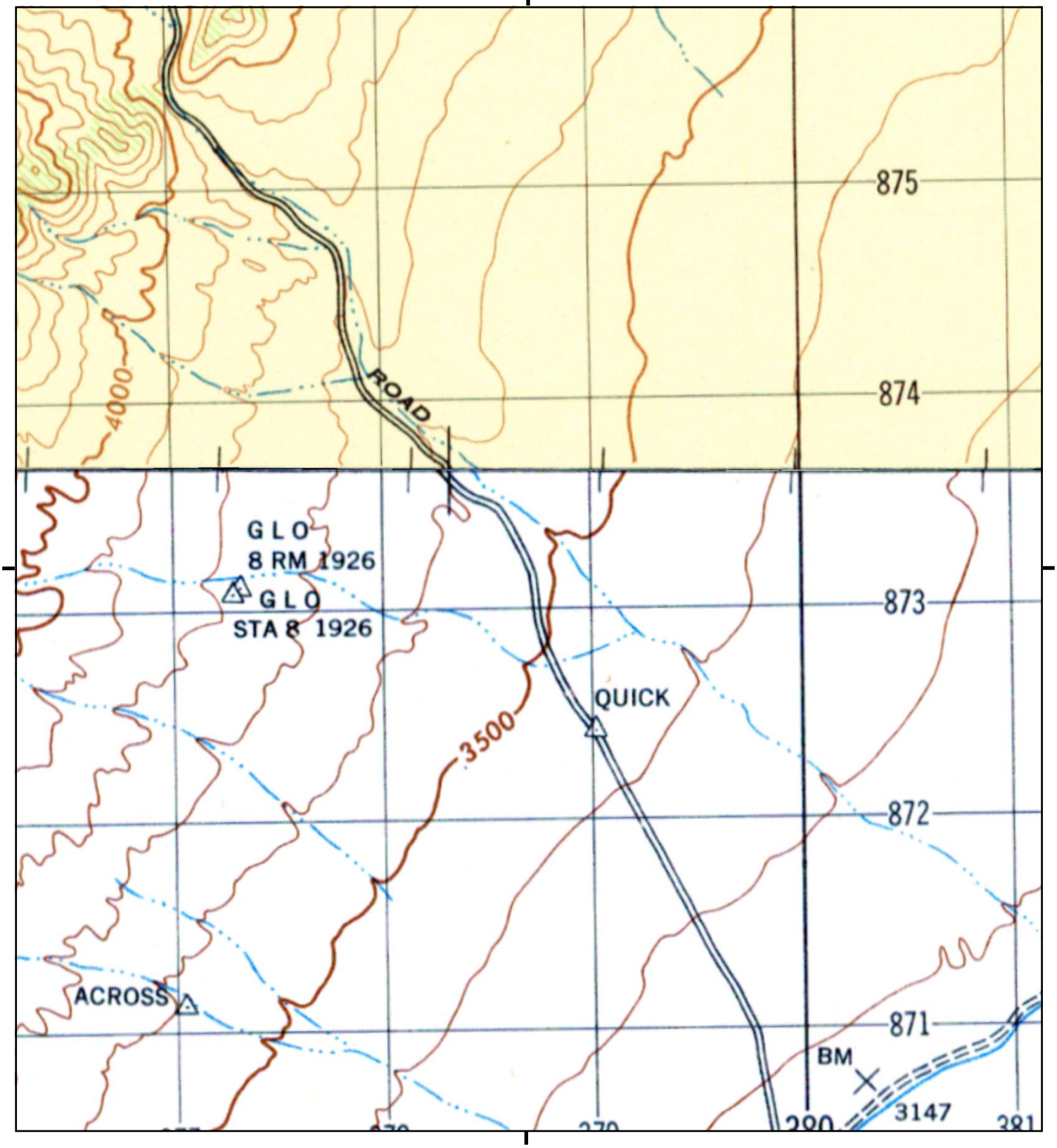
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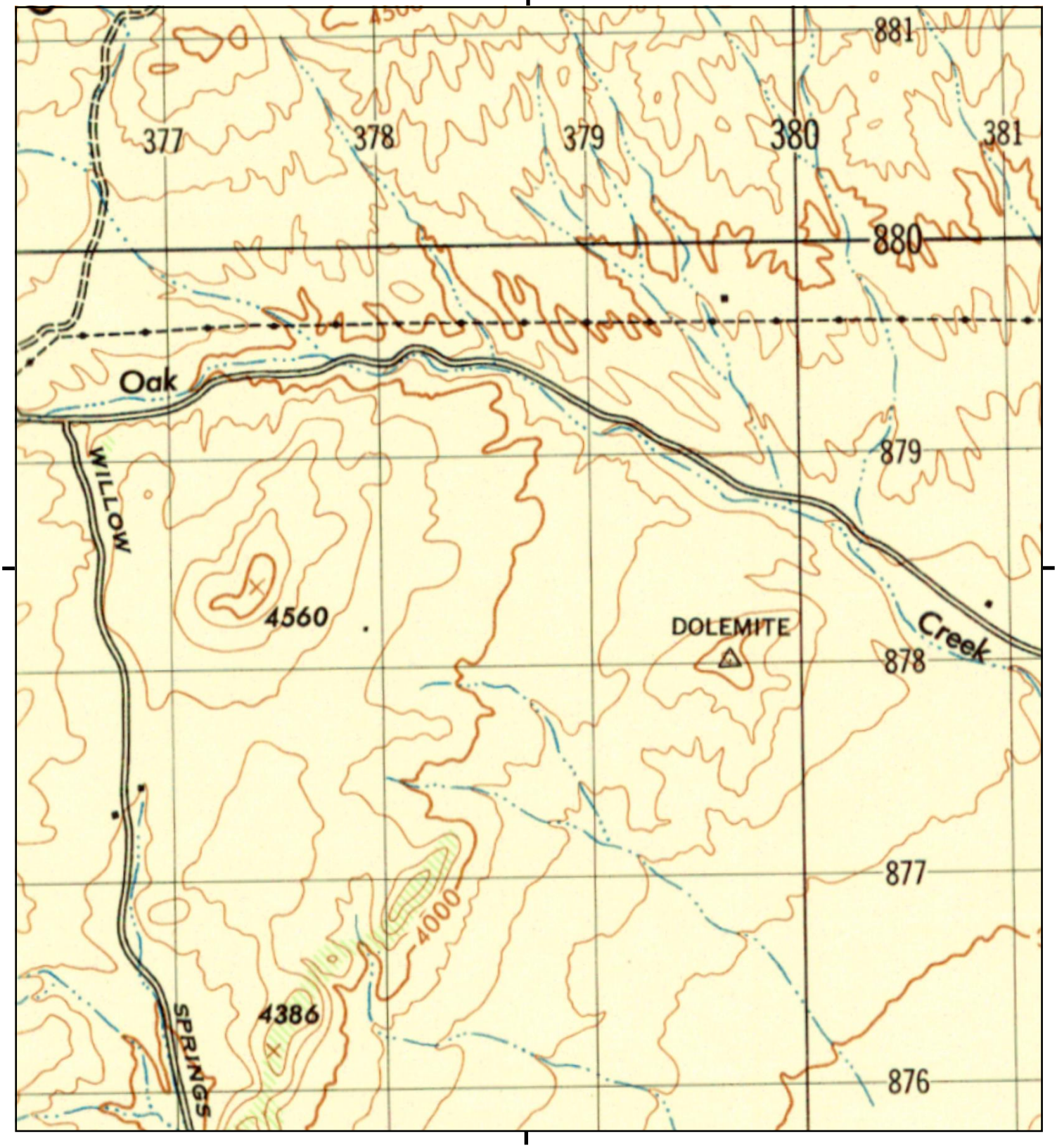
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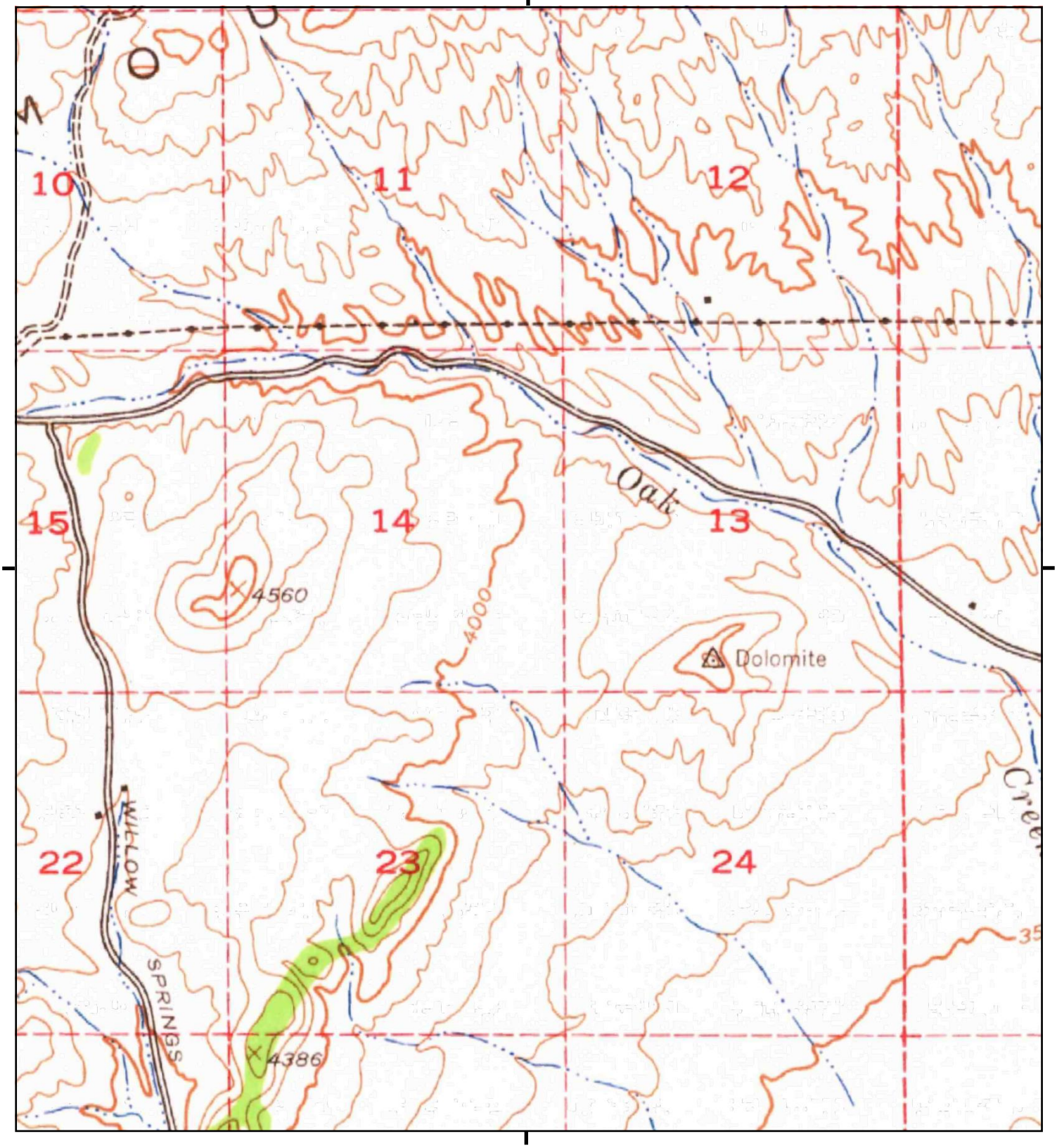
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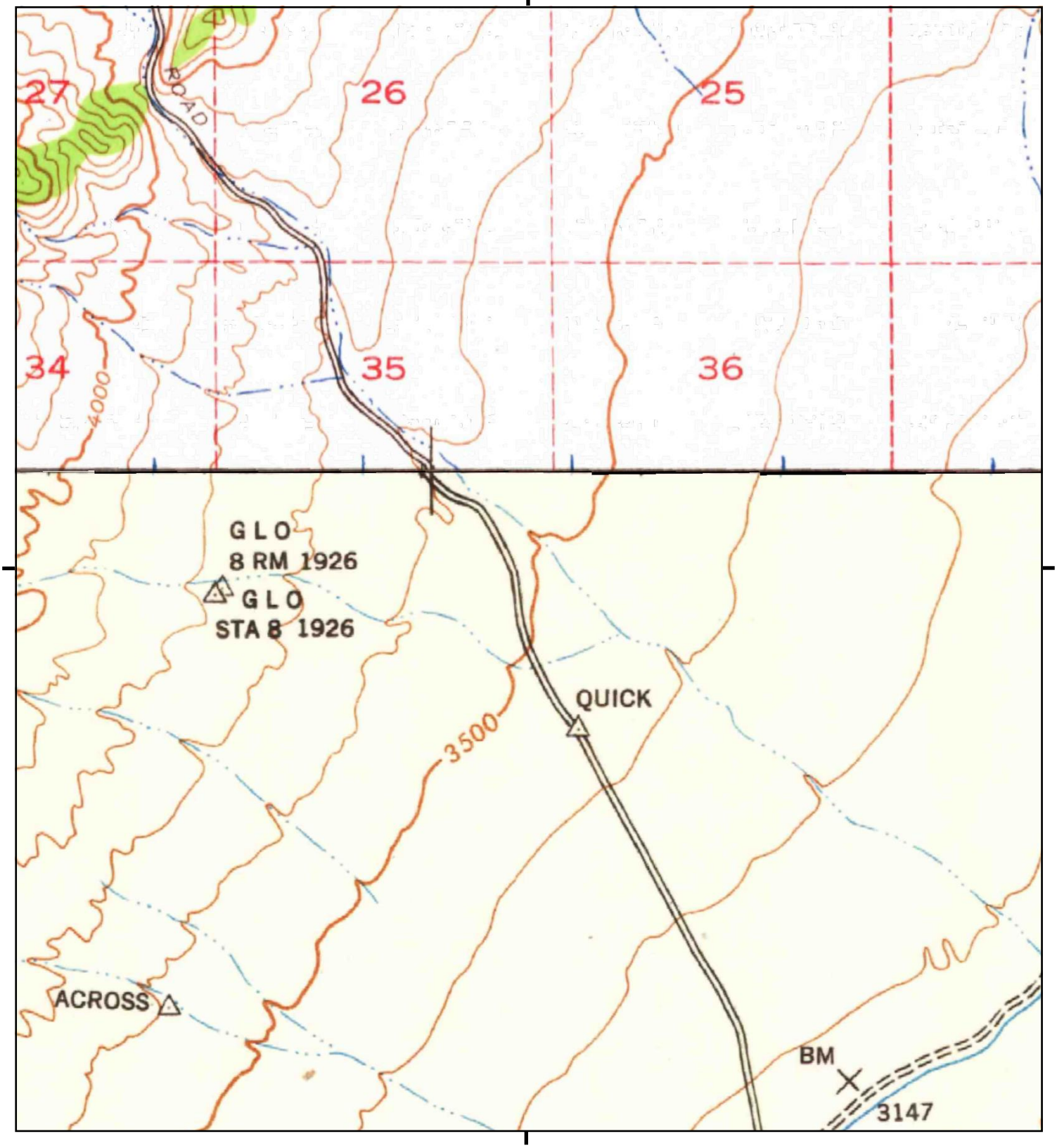
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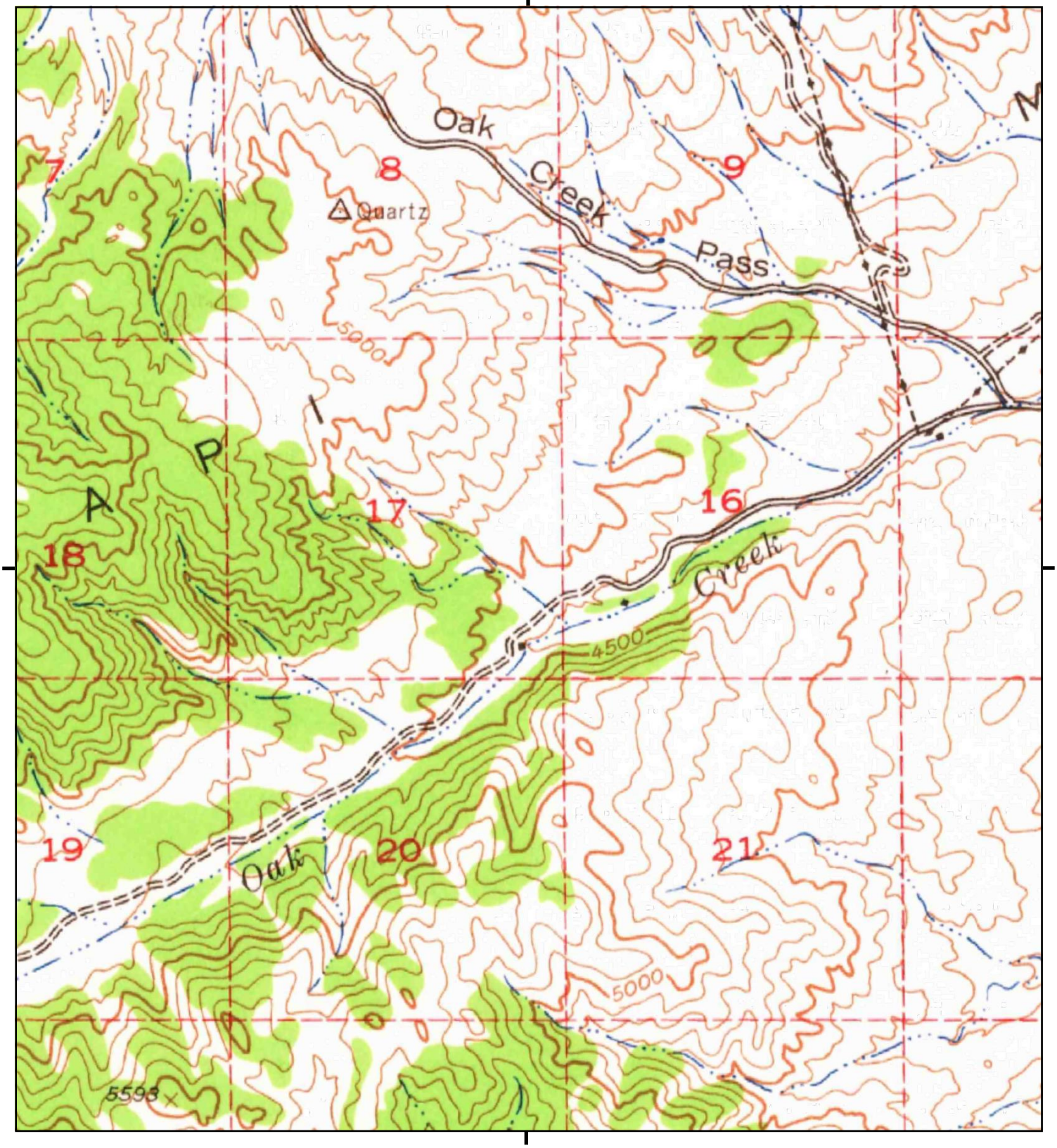
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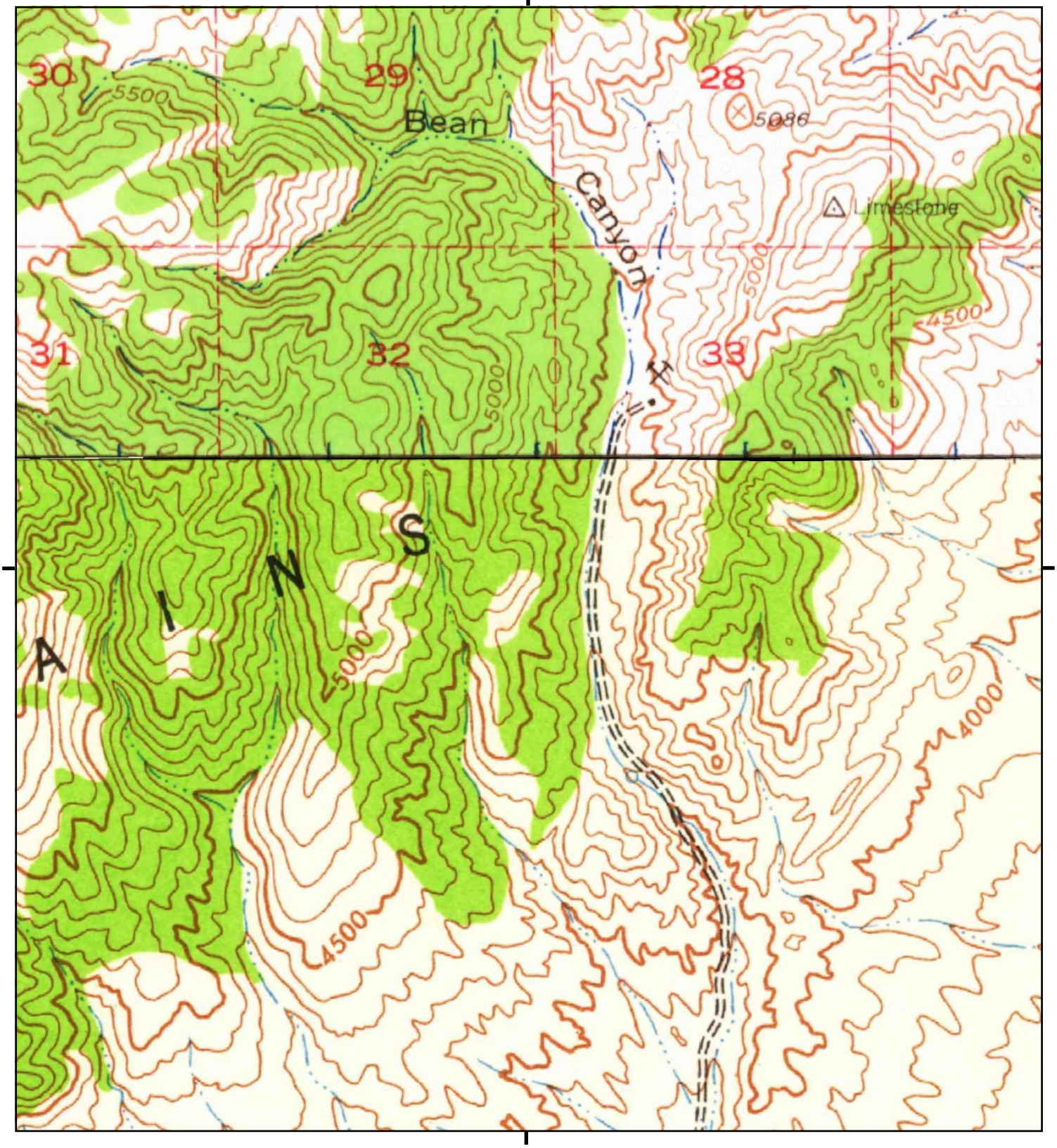
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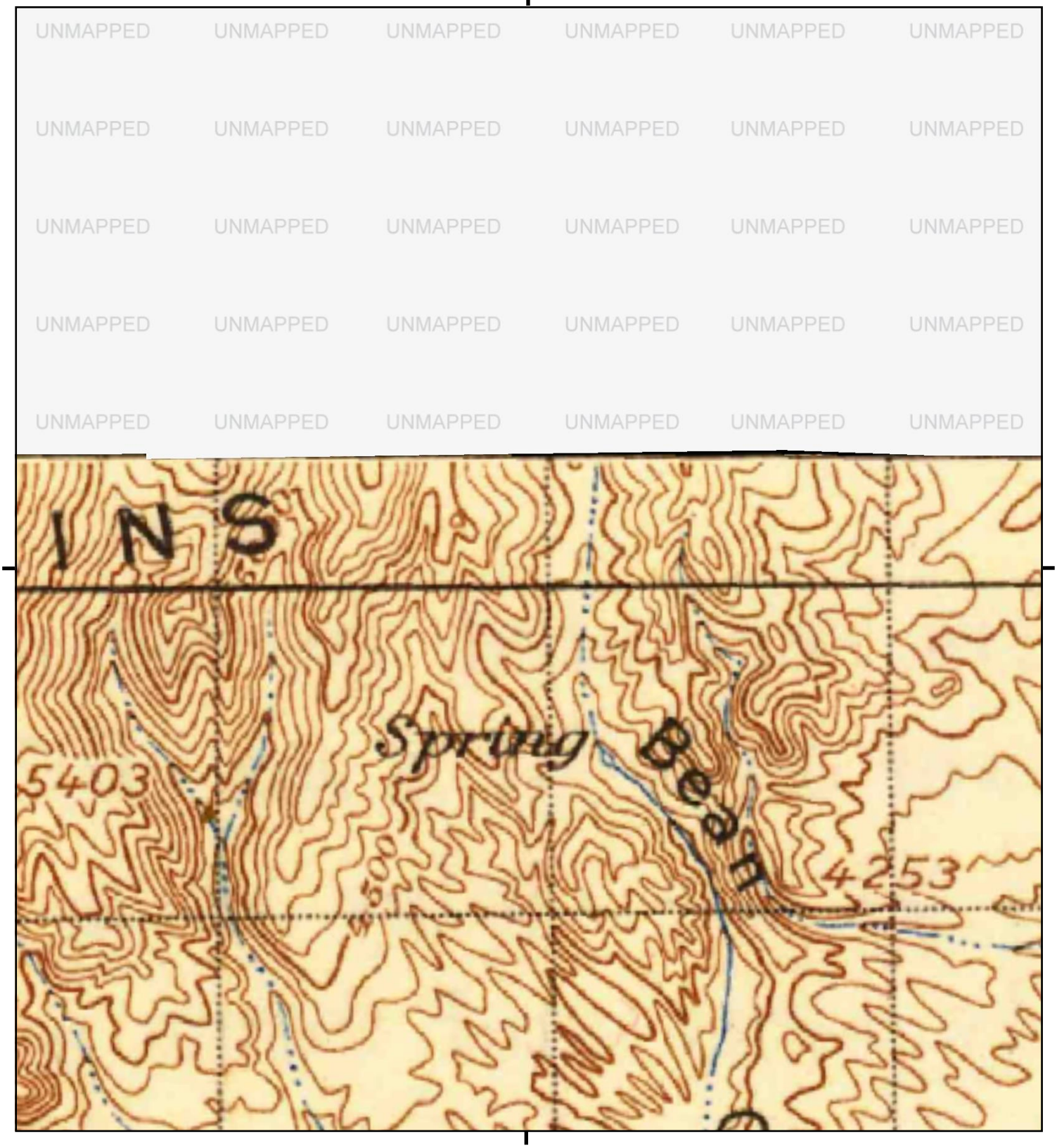
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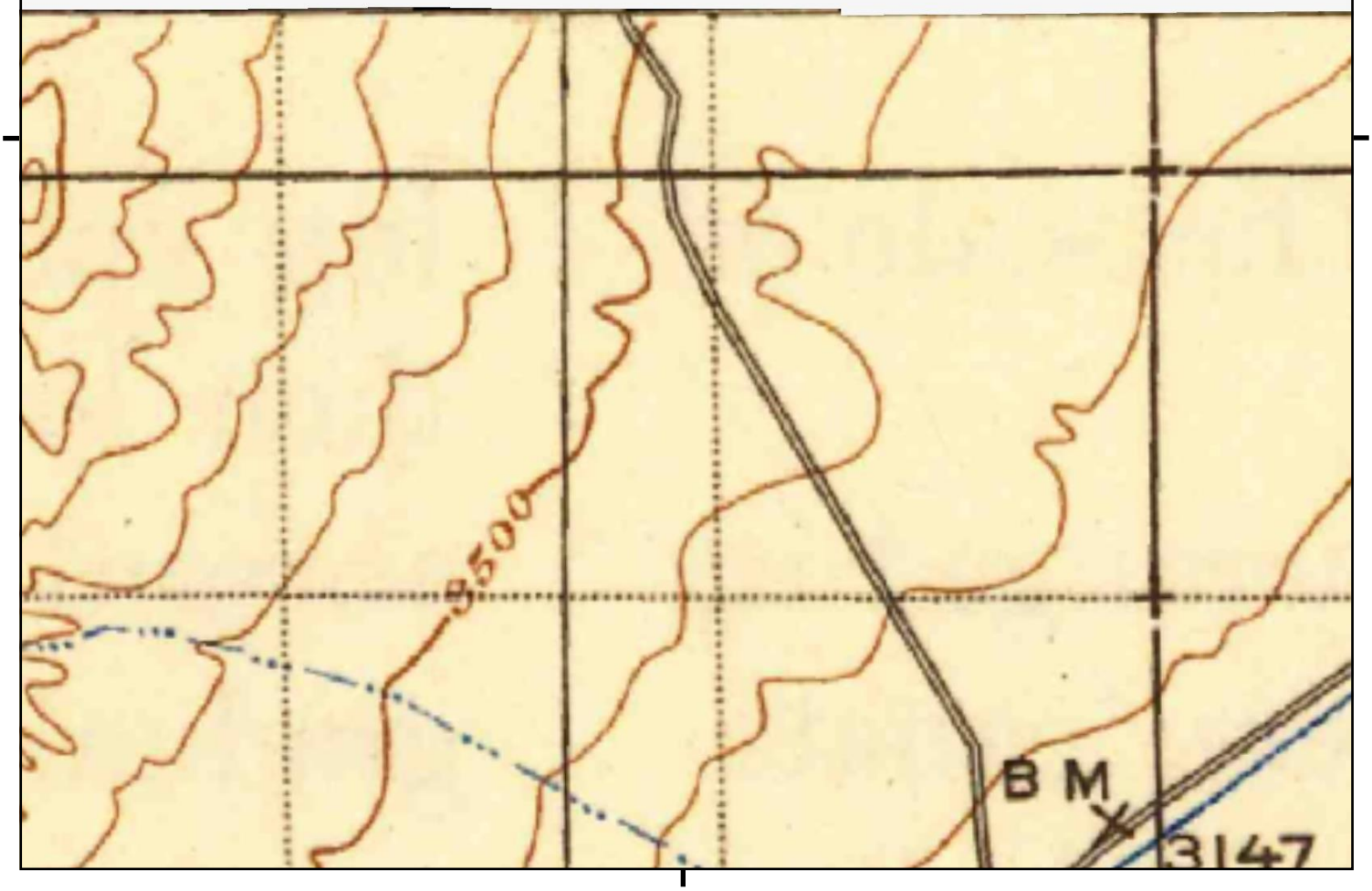
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TP, Elizabeth Lake, 1917, 30-minute

SITE NAME: Mojave Mine Life Extension Project
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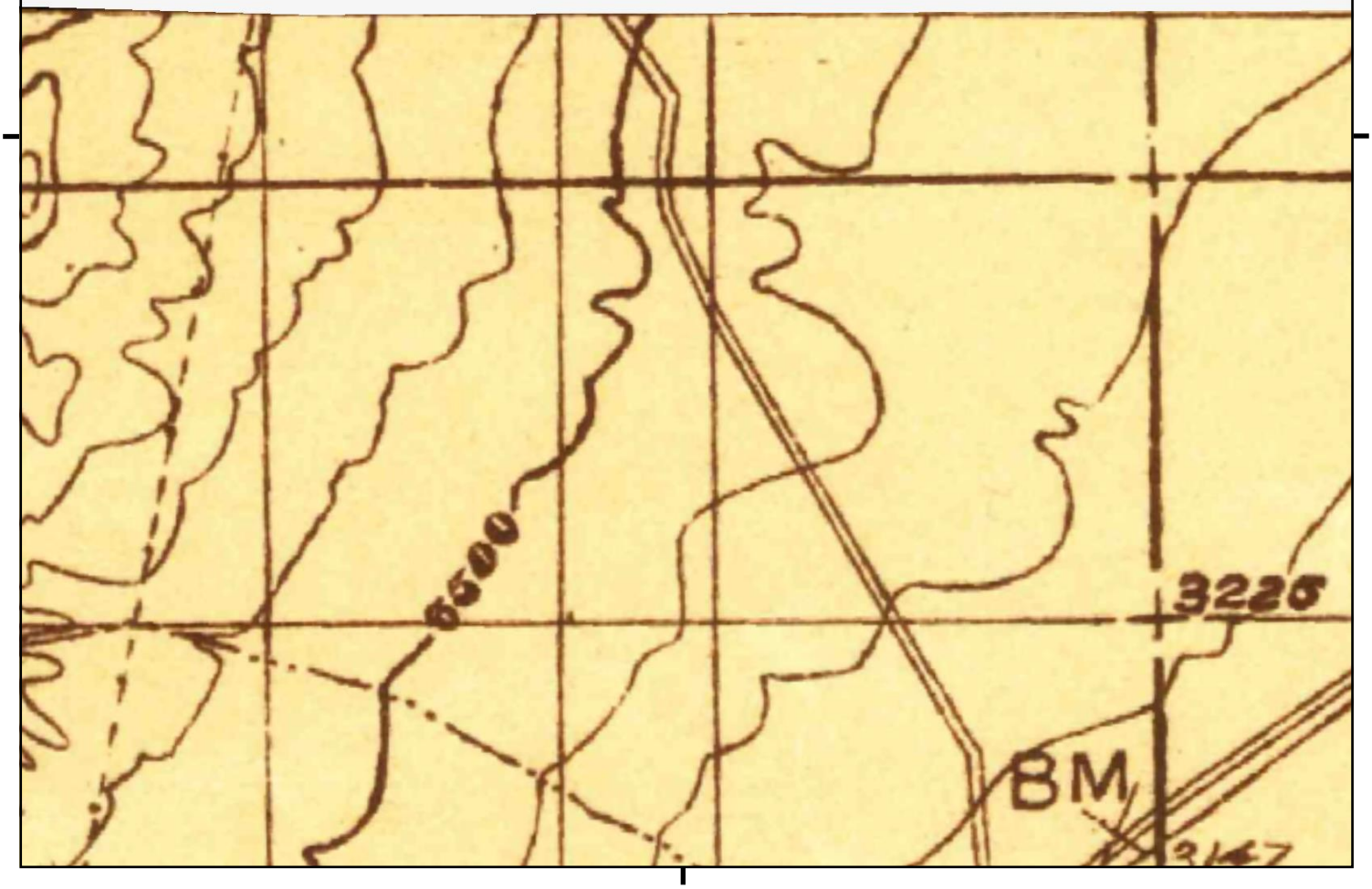
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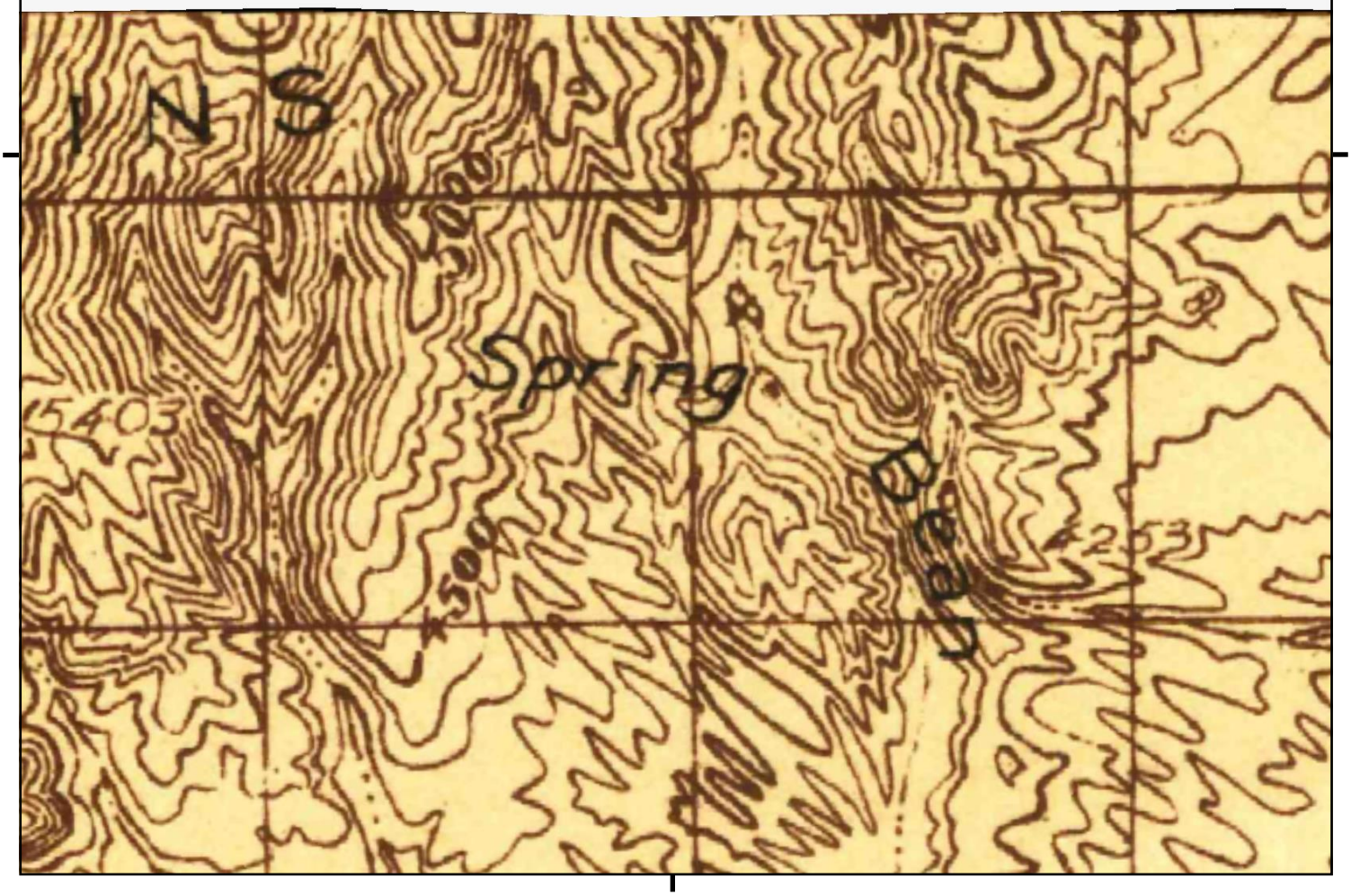
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N

APPENDIX M

Phase I ESA Questionnaire

ASTM User Questionnaire

EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

2505 Alluvial Avenue
Clovis, CA 93611-9166
Tel: (559) 326-1100
Fax: 559) 326-1090
www.ppeng.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE

Date : 7/5/17 By: _____

Site Address: 9350 Oak Creek Road, Mojave, CA, 93505

Project No. _____ Project Name: _____

Interview with Mr./Mrs.: Brian Males

Company: CalPortland Company Relation with Site: Environmental Manager

Address: 9350 Oak Creek Road, Mojave, CA, 93505

Telephone: 661.823.3731 Fax: _____

Someone better associated with site?: _____ Telephone: _____

INTERVIEW QUESTIONS

1) How long have you been associated with this site? 19 years

2) Has the site been occupied by any structures currently or in the past? No

3) What was the site used for in the past? Unknown

4) Any aboveground or underground storage tanks associated with the site? (Eg. Fuel or Fertilizer tanks) If yes, the purpose?

No

5) Any hazardous materials storage/spills or leaks currently or in the past? No

6) Any current or past pesticide mixing facilities on the site? No

7) Any buried materials (including buried trash) or burn areas on the site? No

8) Any water wells, monitoring wells, or dry wells, on the site (active or abandoned)? Yes

9) Any waste treatment or discharges on the site? No

10) Any septic tanks/leach fields? No

11) City Water Y/N No City Sewer Y/N No

12) Any disposal ponds or storm water retention basins? Yes

13) Any adjacent property environmental concerns (Eg. Gas Stations, Industrial Facilities)? No

EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

ESA Site Visit Checklist	Project Number: 2680-17-001
Conducted by: Stephanie Gillaspy & Darylyn Tachella	
Date: June 12, 2017	
Site Name/Address: CalPortland Mojave Mine Expansion	

Site Reconnaissance Observations Table

Item	Present (Y/N)	Comments
Owner/Representative Present	Y	Ryan Santos, CalPortland Geologist
Present-day site structures and usage	Y	Limestone quarry
Evidence of Previous Structures	N	
Hazardous Materials/Petroleum Products		Adjacent facility
Underground Storage Tanks (**USTs**)	N	Historically yes, currently no
Aboveground Storage Tanks (**ASTs**)		Adjacent facility
Odors	N	
Pools of Liquid	N	
Drums		Adjacent facility
Hazardous Substance and Petroleum Products **Containers (<= to 5 gallons)**	N	
Unidentified Substance Containers	N	
Equipment containing Hazardous Materials	N	
Transformers (PCB-Containing Equipment)	N	
Heating & Cooling Systems (HVAC)	N	
Interior Stains or Corrosion [Interior Floor Staining]	N	
Floor Drains/Sumps	N	
Pits/Ponds/Lagoons/	Y	Washwater Lagoon
Stained Soils or Pavement/Stressed Vegetation	N	
Solid Waste/Buried Materials/Burn Piles	N	
Evidence of Wastewater/Storm-water Discharges	N	
Wells/Dry Wells/Drainage Areas	Y	2 dewatering wells, 2 potable wells & 3 process water wells
Evidence of Septic System	Y	Septic only.
Air Emissions Sources		Adjacent limestone quarry
Agricultural Uses		
Potential Asbestos-Containing Materials (PACs)	N	

ESA site observations

Adjoining Uses:

N	Desert, windmills
S	Desert, windmills
E	Desert, windmills
W	Desert, windmills

Notes/Drawings:

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

INTRODUCTION

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must provide the following information (if available) to the environmental professional. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

In addition, certain information should be collected, if available, and provided to the environmental professional selected to conduct the Phase I. This information is intended to assist the environmental professional but is not necessarily required to qualify for one of the LLPs. The information includes:

(a) The reason why the Phase I is required?

To establish environmental compliance for reclamation plan amendment.

(b) The type of property and type of property transaction, for example, sale, purchase, exchange, etc.?

Cement plant, owned by CalPortland. No transaction taking place.

(c) The complete and correct address for the property (a map or other documentation showing property location and boundaries is helpful)?

9350 Oak Creek Rd., Mojave, CA 93501

(d) The scope of services desired for the Phase I (including whether any parties to the property transaction may have a required standard scope of services on whether any considerations beyond the requirements of Practice E 1527 are to be considered)?

Standard scope.

(e) Identification of all parties who will rely on the Phase I report?

CalPortland Company and Kern County Planning Department.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

(1.) Environmental cleanup liens that are filed or recorded against the site (40 CFR 312.25). Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

No.

(2.) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26). Are you aware of any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

No.

(3.) Specialized knowledge or experience of the person seeking to qualify for the LLP (40 CFR 312.28). As the user of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes, CalPortland has owned and operated the facility for over 60 years. We have knowledge of our own property, but no knowledge of the uses of adjoining properties.

(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?

Not applicable, this property is not being purchased.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

(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, as user,

(a.) Do you know the past uses of the property?

Cement plant and quarry.

(b.) Do you know of specific chemicals that are present or once were present at the property?

Portland cement, oils, fuels, acids, and greases.

(c.) Do you know of spills or other chemical releases that have taken place at the property?

A diesel spill of approximately 200 gallons that occurred approximately 10 years ago.

(d.) Do you know of any environmental cleanups that have taken place at the property?

Chromate brick cleanup of old storage pond that resulted in Board Order 6-01-54.

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

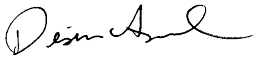
(6.) The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31). As the user of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

No.

QUESTIONNAIRE COMPLETED BY*

Desirea Haggard
Name

Director of Environmental Affairs
Title


Signature

08/01/2022
Date

*Retain copy for your records

SESPE CONSULTING, INC.
A Trinity Consultants Company
374 Poli Street, Suite 200 • Ventura, CA 93001
Office: (805) 275-1515 • Fax: (805) 667-8104

Michael D. Biedebach
Project Manager I
mbiedebach@sespe.com

EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA — Santa Barbara, CA
B.A., Environmental Studies — 1992

WORK HISTORY

SESPE CONSULTING, INC. — Ventura, CA
Project Manager II — 2009 - Present

WEST COAST ENVIRONMENTAL AND ENGINEERING — Ventura, CA
Group Manager — 2008 - 2009
Project Manager — 1998 - 2008
Technician/Staff Professional — 1992 - 1998

Work history includes:

- Client and project management which includes developing scope of work and scheduling, coordination of contractors, permitting/agency oversight, budgeting, report writing, and quality control.
- Assisting clients in achieving and maintaining their varied needs, often under short turnaround times and involving high level multi-million-dollar projects.
- Conducting environmental inspections on a wide variety of properties ranging from small residual apartment buildings, to large ranch properties measuring hundreds of acres in size, to complex heavy industrial and manufacturing facilities, to large mining facilities.
- Wide and varied knowledge of industrial and manufacturing businesses including:
  - Aerospace and machine shop related industries
  - Metal forging/forming/stamping
  - Auto service and repair
  - Food processing
  - Recycling
  - Aggregate mining/processing/production
- Interfacing with government agencies and personnel at all levels of local, state, and federal government to obtain and review pertinent file material and/or to obtain agency approvals.
- Training, developing, and managing junior staff and administrative support personnel.

EXPERIENCE

Environmental Site Assessment / Due Diligence Services

- Completed over 1,700 Phase I Environmental Site Assessments for properties located throughout Southern California. Worked with lenders, property owners, developers, municipalities, and others to meet due diligence needs.
- Completed dozens of Phase II Environmental Site Assessments on various types of properties. Assessment methodologies have included the following:
  - Groundwater assessments.
  - Soil assessments and soil vapor surveys.
  - Assessments of underground tanks and other subsurface features, such as sumps, pits, clarifiers, dry wells, etc.
  - Geophysical surveys.
- Work has been done under the oversight of regulatory agencies, including the Regional Water Quality Control Board, Department of Toxic Substances Control, City and County Fire Department and Environmental Health Departments and closure letters were obtained from the agencies.
- Ventura Brownfield Project – City of Ventura (2001). Conducted extensive research on the history of the Ventura Westside (AKA Ventura Avenue area), one of the oldest and most diverse areas within the City of Ventura. Project was funded by the U.S. Environmental Protection Agency.
- Ventura Brownfield Redevelopment project (2008). Managed and assisted with all phases of a roughly 57-million-dollar redevelopment project. Work completed includes:
  - Assistance with the demolition of buildings with asbestos and lead paint issues.
  - Removal and cleanup of residual hazardous materials/wastes.
  - Removal of underground hoist and sump.
  - Conducted numerous subsurface investigations and remedial cleanups and monitored water quality from a construction dewatering system.
  - Worked closely with several of the largest lenders in the nation to satisfy environmental due diligence requirements.
  - Project objectives were met and a thorough assessment and evaluation was completed to the satisfaction of the lenders and other involved parties, despite numerous project environmental challenges.
  - High level of sensitivity on project due to complex funding requirements, scale and location of project, and tight construction schedule.
  - Regular and close working relationships were maintained among the lenders, developer/owner, the construction management firm, and the general building contractor.

FACILITY CLOSURE PLANS

- Completed facility closure plans for various types of properties to ensure hazardous materials and hazardous wastes were properly removed and disposed of and residual impacts were decontaminated. Representative work includes:
  - Closure of a former Sears Automotive Service facility that had underground hoists and a floor drain/clarifier system.
  - A large clothing fabric manufacturing facility that included extensive fabric printing and ink/dye usage and a vast network of underground equipment, including drains and sumps.

  - Closure of a large regional hospital campus property located in Southern California.
  - Closure and cleanup at specialized aerospace/machining facility.
  - Interacting with the regulatory agencies to cancel permits.
  - Write work plans for cleanup and removal actions.
  - Remove/abandon subsurface tanks, sumps, pits, clarifiers, drains, etc.
  - Obtain post-removal soil samples to ensure no remedial action is necessary.
- Manage hazardous waste removal contractors and decontamination work associated with former chemical or hazardous material storage and process areas.
- Completion of summary reports documenting all of the work that was conducted, including all the supporting documentation, figures, photos, lab reports, permits, and related information. Obtained closure letters from various agencies.

WATER QUALITY/WATER MONITORING

- Prepared Storm Water Pollution Prevention Plan (SWPPPs) for a variety of industrial and construction-related projects.
- Managed and assisted on water quality monitoring projects related to quarterly groundwater monitoring at contaminated sites (LUFT, SLIC, etc.).
- National Pollutant Discharge Elimination System (NPDES) and Waste Discharge Requirements (WDR) permitting, monitoring, and reporting at a construction site that required dewatering wells and a treatment system for the water.

LAND USE PLANNING AND PERMITTING

- Project Manager for permitting commercial, industrial, agricultural, and oil field projects including:
  - Conditional Use Permits and Zoning Clearance Applications
  - Project Condition Compliance
  - Research for possible permitting opportunities and alternatives
  - Technical Support
  - Permit Modifications
  - Notice of Violation Abatement
  - Management of technical consultants and studies
- Prepare application submittal materials and circulate to internal agency departments.
- Procure agency approvals with expeditious and efficient project turnaround times.
- Represent Clients at agency meetings, attend public hearings, and provide technical assistance to legal counsel in resolving critical issues.
- Manage Building & Safety, Public Works, and other agency permit procurement for industrial and infrastructure projects.
- Projects include: Metal Recycling Facilities, Oil Field Permitting and Exploration, Contractor Service and Storage Yards, Recyclables Collection Facilities, Auto Dismantling Facilities, Nursery, and Private Projects.

ADDITIONAL TRAINING

- 40-hour HAZWOPER Training and 8-hour Supervisor Training.

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Office: (805) 275-1515 • Fax: (805) 667-8104

Rob Dal Farra, P.E.
Vice President
rdalfarra@sespe.com

EDUCATION

UNIVERSITY OF WINDSOR, — Windsor, Ontario, Canada
BASc, Chemical Engineering — 1981

REGISTRATIONS

- Professional Engineer, Chemical Engineering, California (#CH005847)
- South Coast Air Quality Management District Certified Permitting Professional (#B4317)

WORK HISTORY

SESPE CONSULTING, INC. — Ventura, CA
Vice President — Present

- Provide executive management and company quality assurance/quality control.
- Develop work product methodologies, procedures and formats for numerous company services, including site assessment, regulatory compliance, hazardous materials, hazardous waste, etc.
- Hiring, training, developing, and managing junior staff.
- Client management.
- Project management, including scheduling, coordination, budgeting, and quality control.

WEST COAST ENVIRONMENTAL AND ENGINEERING — Ventura, CA
Last Position: Vice President — 1987 – 2009

- Provided executive management and quality assurance/quality control for the company's engineering group.
- Support to legal counsel including expert witness testimony and client representation at regulatory agency hearings.

ESSO RESOURCES CANADA — Calgary, Alberta, Canada
Last Position: Reservoir & Production Engineer — 1981 – 1986

- Responsible for optimizing oil production from assigned oilfields in western and northern Canada.

EXPERIENCE

40 years of professional experience including 34 years of wide-ranging consulting experience covering all aspects of environmental compliance, assessment and management.

INDUSTRY EXPERIENCE

- Provided consulting services to a wide variety of industries, including:
  - Commercial composting operations
  - Aggregate mining and processing
  - Ready mixed and asphaltic concrete production
  - Crude oil production and processing
  - Refined oil bulk storage, blending and distribution
  - Scrap metal recycling
  - Metal forging and forming
  - Food processing and agricultural
  - Water purveyors
  - Semiconductor manufacturing
  - Power generation
  - Glass production

AIR QUALITY AND GHGS

- Obtained numerous air emission permits (local and federal Title V) from various California air districts, including the Ventura County Air Pollution Control District (VCAPCD), South Coast Air Quality Management District (SCAQMD), and San Diego County APCD.
- Performed detailed air emission calculations.
- Used computer modeling to determine expected concentrations at various locations in and around the sources. Calculated resulting impacts including acute health risk, chronic health risk, and cancer risk.
- Evaluated various operational scenarios to identify potential emissions and risk reductions.
- Client representation at hearing boards and variance hearings.
- Evaluation of emission control technologies.
- Prepared greenhouse gas (GHG) emission inventories and conducted GHG certifications to California Climate Action Registry and federal certification standards.

LAND USE PLANNING AND PERMITTING

- Conditional Use Permitting (CUP) support.
- Managing the preparation of technical studies in support of environmental impact reports.
- Permitting of new crude oil wells and production facilities.
- Permitting of centralized waste treatment facility.
- Permitting of commercial composting facilities.

WATER QUALITY

- National Pollutant Discharge Elimination System (NPDES) and Waste Discharge Requirements (WDR) permitting, monitoring, reporting and compliance support.
- Discharge treatment studies for various manufacturing facilities, in particular ion exchange pilot testing for removal of toxic metals to meet CTR/NPDES permit limits for inland surface waters.
- Industrial sewer discharge support, including preparing baseline monitoring reports, obtaining local sewer permits, Notice of Violation (NOV) resolution, and treatment system evaluations.
- Preparation of Storm Water Pollution Prevention Plans (SWPPPs) for a variety of industrial and manufacturing facilities.

SITE ASSESSMENT AND ENVIRONMENTAL AUDITS

- Completed environmental compliance audits for numerous manufacturing operations, including construction materials, wastepaper recycling, circuit board manufacturing, electronics equipment manufacturing, and bottled water production.
- Conducted pre-acquisition due diligence compliance audits for aggregate mining, ready mixed and asphaltic concrete production facilities.
- Provided project management for more than 1,000 Phase I Site Assessment projects, including agricultural parcels, heavy and light manufacturing sites, oil and gas production facilities, and commercial and residential lands.

HAZARDOUS MATERIALS

- Hazard Communication Program development and implementation, including conducting hazardous material audits and creating MSDS tracking and reporting systems.
- Hazardous Material Business Plan preparation and Tier II reporting.
- Prepared and/or certified Spill Prevention Control and Countermeasure (SPCC).
- Prepared Facility Response Plans for large oil blending and packaging facilities.
- Prepared Toxic Release Inventory (TRI) reports for a variety of manufacturing facilities and reported emissions using Form R/Form A.
- Risk Management Plan (RMP) preparation for facilities storing anhydrous ammonia and chlorine gas.

HAZARDOUS WASTE

- Hazardous waste compliance support.
- Waste Minimization (SB14) Plan and Report preparation.
- California Tiered Permitting support, including preparation of necessary reporting forms, developing closure cost estimates, and certifying hazardous waste treatment tanks and containment areas.

APPENDIX 3

Regulatory Agency Database Report

Government Records Report | 2022

Order Number: 72512

Report Generated: 05/24/2022

Project Name:

Project Number:

Mojave
9350 Oak Creek Rd
Mojave, CA 93501

with Envirosite Atlas

---

2 Corporate Drive
Suite 450
Shelton, CT 06484
Toll Free: 866-211-2028
www.envirositecorp.com

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Envirosite Corporation has conducted a search of all reasonably ascertainable records in accordance with EPA's AAI (40 CFR Part 312) requirements and the ASTM E-1527-21 Environmental Site Assessments standard.

SUBJECT PROPERTY INFORMATION:

ADDRESS:

Mojave
9350 Oak Creek Rd
Mojave, CA 93501

COORDINATES:

Latitude (North):	35.024102 - 35°1'26.8"
Longitude (West):	-118.338149 - -118°20'17.3"
Universal Transverse Mercator:	Zone 11N
UTM X (Meters):	377923.72
UTM Y (Meters):	3876534.13
State Plane Coordinates:	0405 - California Zone 5 (US Survey Feet)
X Coordinate (Feet):	6460427.361 E
Y Coordinate (Feet):	2195251.786 N

ELEVATION:

Elevation:	3922 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH SUBJECT PROPERTY:

Subject Property Map: 34118-H3 Willow Springs, CA
Most Recent Revision: 2015

Subject Property Map: 35118-A3 Monolith, CA
Most Recent Revision: 2018

MAP ID	SITE NAME	ADDRESS	DATABASE(S)	RELATIVE ELEVATION	DIRECTION / DISTANCE
A1	CALPORTLAND COMPANY | MOJAVE P...	9350 OAK CREEK RD | 9350 ...	AST - CA, AST_KERN COUNTY - CA, CALARP_K...		SP
A2	Mojave Plant	35.033, -118.326	MINE OPERATIONS		SP
A3	Mojave Quarry	35.0331, -118.3261	MINE OPERATIONS		SP
A4	INGLEWOOD OIL FIELD RECEIVER, 0876	35.00564 -118.3705	DOT OPS		SP
A5	PG&E GTP T-1485 MOJAVE	35.030391-118.312362	MANIFEST EPA		SP
A6	Leona Tungsten Mine	35.01669, -118.33701	MINES USGS		SP
A7	Esperanza Prospect	35.02079, -118.34481	MINES USGS		SP
A8	Section 13-24 Quarry	35.03279, -118.32671	MINES USGS		SP
A9	California Portland Cement Co.	35.02919, -118.33621	MINES USGS		SP
A10	Snowball Deposit	35.00439, -118.36761	MINES USGS		SP
A11	Monolith Portland Cement Co.	35.00669, -118.35921	MINES USGS		SP
A12	National Public Lands - Ridgecrest Fie...	35.023859, -118.336799	FEDLAND		SP
13	National Public Lands - Ridgecrest Fie...	34.993025, -118.363325	FEDLAND		SP
B14	CONSOLIDATED CRANE & RIGGING	15100 TAHACHIPI WILLOW SP...	HAZNET - CA, HWG - CA	Higher	NW / 0.002 mi., 9 ft.
15	National Public Lands - Ridgecrest Fie...	35.008717, -118.380972	FEDLAND	N/R	W / 0.002 mi., 13 ft.
B16	ALTA WIND ENERGY CENTER I | BALF...	15100 TEHACHAPI WILLOW SP...	AST_KERN COUNTY - CA, ERNS	Higher	NW / 0.003 mi., 16 ft.
17	National Public Lands - Ridgecrest Fie...	35.024163, -118.363163	FEDLAND	N/R	W / 0.026 mi., 137 ft.
18	NEG MICON USA, INC | 1X OAK CREEK...	14633 WILLOW SPRINGS ROAD...	AST_KERN COUNTY - CA, CHMIRS - CA, EMI - C...	Higher	NW / 0.032 mi., 168 ft.
19	Esperanza	35.02221, -118.33869	MINES USGS	Lower	SSW / 0.109 mi., 578 ft.
20	National Public Lands - Ridgecrest Fie...	35.038498, -118.354611	FEDLAND	N/R	NW / 0.120 mi., 632 ft.
21	RIDGETOP ENERGY LLC | TERRA-GEN ...	10315 OAK CREEK RD	AST - CA, AST_KERN COUNTY - CA, CALEPA SI...	Lower	NE / 0.128 mi., 678 ft.
22	National Public Lands - Ridgecrest Fie...	35.008509, -118.398904	FEDLAND	N/R	WSW / 0.517 mi., 2729...
23	Garlock fault, South Branch	35.0459, -118.372127	SEISMIC - CA	N/R	NW / 0.760 mi., 4014 ft.
24	Garlock fault, South Branch	35.055735, -118.368396	SEISMIC - CA	N/R	NW / 0.832 mi., 4392 ft.
25	Garlock fault, South Branch	35.050916, -118.375937	SEISMIC - CA	N/R	NW / 0.911 mi., 4811 ft.
26	Garlock fault, South Branch	35.062902, -118.357565	SEISMIC - CA	N/R	NNW / 0.917 mi., 4842...

SUBJECT PROPERTY SEARCH RESULTS:

The subject property was identified in the following records. For more information on this property, see Map Findings section on page 27.

SITE	DATABASE(S)	EPA ID
CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT 9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT) MOJAVE | Mojave | mojave, CA	AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA	N/R
AST_KERN COUNTY - CA - ID: FA0003180	Status: Active, billable	Date: N/R
UST_KERN COUNTY - CA - ID: FA0003180	Status: Inactive, non-billable	Date: N/A
CERCLIS NFRAP - ID: CAD008256315	Status: NFRAP-Site does not qualify for the NPL based on existing information	Date: 1995-05-04
SEMS_8R_ARCHIVED SITES - ID: 0904614	Status: NFRAP-Site does not qualify for the NPL based on existing information	Date: N/A
HIST LDS - CA - ID: L10009509578	Status: OPEN	Date: N/A
LDS - CA - ID: L10009509578 - ID: L10009509578	Status: Open Status: OPEN AS OF 1/1/1965	Date: 1965-01-01 Date: N/R
Mojave Plant 35.033, -118.326 CA	MINE OPERATIONS	N/R
Mojave Quarry 35.0331, -118.3261 CA	MINE OPERATIONS	N/R
INGLEWOOD OIL FIELD RECEIVER, 0876 35.00564/-118.3705 Not Within a Municipality, CA 90008	DOT OPS	N/R
PG&E GTP T-1485 MOJAVE 35.030391-118.312362 MOJAVE, CA 93501	MANIFEST EPA	CAC003055989
Leona Tungsten Mine 35.01669, -118.33701 CA	MINES USGS	N/R
Esperanza Prospect 35.02079, -118.34481 CA	MINES USGS	N/R

SITE	DATABASE(S)	EPA ID
Section 13-24 Quarry 35.03279, -118.32671 CA	MINES USGS	N/R
California Portland Cement Co. 35.02919, -118.33621 CA	MINES USGS	N/R
Snowball Deposit 35.00439, -118.36761 CA	MINES USGS	N/R
Monolith Portland Cement Co. 35.00669, -118.35921 CA	MINES USGS	N/R
National Public Lands - Ridgecrest Field Office 35.023859, -118.336799 CA	FEDLAND	N/R
National Public Lands - Ridgecrest Field Office 34.993025, -118.363325 CA	FEDLAND	N/R

SEARCH RESULTS:

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS

AST_KERN COUNTY - CA: Kern County aboveground storage tank sites **3 SITES FOUND WITHIN .125 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B16	*ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS*	*15100 TEHACHAPI WILLOW SPRINGS*	*NW / 0.003 mi., 16 ft.*	*120*
	- ID: FA0035375	Status: Inactive, non-billable	Date: N/R	
18	*NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC*	*14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD*	*NW / 0.032 mi., 168 ft.*	*125*
	- ID: FA0000269	Status: Inactive, non-billable	Date: N/R	

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills **1 SITE FOUND WITHIN .125 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B16	*ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS*	*15100 TEHACHAPI WILLOW SPRINGS*	*NW / 0.003 mi., 16 ft.*	*120*

STATE RCRA GENERATORS LIST

HWG - CA: Hazardous waste generator listing **3 SITES FOUND WITHIN .063 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B14	*CONSOLIDATED CRANE & RIGGING*	*15100 TAHACHIPI WILLOW SPRING RD*	*NW / 0.002 mi., 9 ft.*	*119*
18	*NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC*	*14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD*	*NW / 0.032 mi., 168 ft.*	*125*

OTHER ASCERTAINABLE RECORDS

FEDLAND: Federal Lands from the Protected Areas Database (PAD-US) **6 SITES FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
15	National Public Lands - Ridgecrest Field Office	35.008717, -118.380972	W / 0.002 mi., 13 ft.	*120*
17	National Public Lands - Ridgecrest Field Office	35.024163, -118.363163	W / 0.026 mi., 137 ft.	*124*
20	National Public Lands - Ridgecrest Field Office	35.038498, -118.354611	NW / 0.120 mi., 632 ft.	*132*
22	National Public Lands - Ridgecrest Field Office	35.008509, -118.398904	WSW / 0.517 mi., 2729 ft.	*155*

MANIFEST EPA: EPA Hazardous Waste Electronic Manifest System (e-Manifest) **3 SITES FOUND WITHIN .25 MILE**

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
21	*RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP*	*10315 OAK CREEK RD*	*NE / 0.128 mi., 678 ft.*	*132*

MINES USGS: Listing of all active mines and mineral plants in 2003 **7 SITES FOUND WITHIN .25 MILE**

LOWER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
19	Esperanza	35.02221, -118.33869	SSW / 0.109 mi., 578 ft.	*131*

HAZNET - CA: Listing of hazardous waste manifests from when hazardous waste is transported from generators to permitted recycling treatment storage or disposal facilities by registered hazardous waste transporters **3 SITES FOUND WITHIN .063 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
B14	*CONSOLIDATED CRANE & RIGGING*	*15100 TAHACHIPI WILLOW SPRING RD*	*NW / 0.002 mi., 9 ft.*	*119*
18	*NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC*	*14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD*	*NW / 0.032 mi., 168 ft.*	*125*

OTHER ASCERTAINABLE RECORDS *(cont.)*

HIST HAZNET - CA: List of hazardous waste manifests from when hazardous waste is transported from generators to permitted recycling treatment storage or disposal facilities by registered hazardous waste transporters that are no longer in current agency list.
1 SITE FOUND WITHIN .063 MILE

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
18	*NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC*	*14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD*	*NW / 0.032 mi., 168 ft.*	*125*

OTHER

SEISMIC - CA: Earthquake Zones of Required Investigation. Shows the location of both Seismic Hazard Zones and Earthquake Fault Zones **4 SITES FOUND WITHIN 1 MILE**

EQUAL/HIGHER ELEVATION

MAP ID	SITE NAME	SITE ADDRESS	DIRECTION/DISTANCE	PAGE
23	Garlock fault, South Branch	35.0459, -118.372127	NW / 0.760 mi., 4014 ft.	*156*
24	Garlock fault, South Branch	35.055735, -118.368396	NW / 0.832 mi., 4392 ft.	*157*
25	Garlock fault, South Branch	35.050916, -118.375937	NW / 0.911 mi., 4811 ft.	*157*
26	Garlock fault, South Branch	35.062902, -118.357565	NNW / 0.917 mi., 4842 ft.	*157*

Following sites were unable to be mapped.

SITE NAME:	ADDRESS, CITY, ZIP:	DATABASE(S):
Belgian Anticline, Mckittrick 1-1 | BELGIAN...	Sec 19 T29S R21EMdb&M	LDS - CA
BELRIDGE, SOUTH, HOPKINS	SECTION 4 T29S R21E MDB&M	LDS - CA
BELRIDGE, SOUTH, KING	SEC 19 & 30T28SR21EMDB&M	LDS - CA
BELRIDGE, SOUTH, PATRINO	SW 1/4 SEC 12 T28S R20E MDB&M	LDS - CA
BELRIDGE, SOUTH, YOUNG ESTATE	SECTION 11 T29S R21E MDB&M	LDS - CA
BUENA VISTA, ALL SUMPS	S1/2 SEC 14 T31S R23E MDB&M	LDS - CA
CANAL, KCL 58	SEC 14 T30S R25E MDB&M	CIWQS - CA, LDS - CA
CARNEROS CREEK, ANDERSON	SECTION 29 T28S R20E MDB&M	LDS - CA
CARNEROS CREEK, SFE	SECTION 32 T28S R20E MDB&M	LDS - CA
CEMENT WASTE PILE	N/R, MOJAVE	SWAT - CA
CHICO-MARTINEZ	SECTION 1 T29S R20E MDB&M	CIWQS - CA, LDS - CA
CYMRIC, ANDERSON COMM	SEC 19 T29S R21E	CIWQS - CA, LDS - CA
CYMRIC, SHEEP SPRINGS | CYMRIC OIL FIE...	SEC 16 T29S R21E MDB&M	CIWQS - CA, LDS - CA
Devils Den Oil Field, Fee Lease | DEVILS D...	Sw1/4Sw1/4Sec 24T25SR18E	LDS - CA
DEVILS DEN, LEBARON	SECTION 24 T25S R18E MDB&M	LDS - CA
EDISON, ANNA RUSH | EDISON, HARRIS	NE 1/4 SEC 26T30SR29EMDB&M	CIWQS - CA, LDS - CA
EDISON, BAUGHMAN	NE 1/4 SEC 8T30SR29EMDB&M	CIWQS - CA, LDS - CA
EDISON, CLINTON LAND CO	SEC 15T30SR29EMDB&M	CIWQS - CA, LDS - CA
EDISON, EAST PUENTE	SW 1/4 SEC 24 T30 R29	CIWQS - CA, LDS - CA
EDISON, EDISON	NW 1/4 SEC 6 T30 R29	CIWQS - CA, LDS - CA
EDISON, F & D | EDISON, MAUL | EDISON ...	SEC 21 T30SR29E MDB&M	CIWQS - CA, LDS - CA
EDISON, GERALD-HAWK	NW1/4NE1/4SEC26T30SR29EMD	CIWQS - CA, LDS - CA
EDISON, GERARD	SE 1/4 SEC 23T30SR29EMDB&M	CIWQS - CA, LDS - CA
EDISON, IRM/MARK MORRIS | EDISON, HA...	SW 1/4 SEC 23T30SR29EMDB&M	CIWQS - CA, LDS - CA
MCKITTRICK, LAYMANCE	SW1/4NE1/4SEC20T30SR22E	CIWQS - CA, LDS - CA
MIDWAY-SUNSET	SE1/4 SEC 16T32SR23EMDB&M	LDS - CA

Following sites were unable to be mapped. ***(cont.)***

SITE NAME:	ADDRESS, CITY, ZIP:	DATABASE(S):
MIDWAY-SUNSET, C&A BROAD	N/R	CIWQS - CA, LDS - CA
MIDWAY-SUNSET, ESTHER	SEC 4 T32S R23E MDB&M	CIWQS - CA, LDS - CA
Mobil Exploration	N/R	HIST TOXIC PITS - CA
OLD TEHACHAPI LANDFILL	SW CORNER DENNISON & ..., TEHACHAPI ...	ENVIROSTOR - CA, HIST CORTESE - CA

DATABASE(S) WITH NO MAPPED SITES:

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF	Archived Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities
RCRA_TSDF	Resource Conservation and Recovery Act: Treatment Storage and Disposal Facilities

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS

AST PBS	ASTs at Bulk Petroleum Terminals
EPA UST	EPA UST Finder database
FEMA UST	FEMA Underground Storage Tanks
HIST INDIAN UST R6	Historical Underground Storage Tanks on Indian Land in EPA Region 6
HIST INDIAN UST R7	Historical Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R1	Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN UST R10	Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN UST R2	Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN UST R4	Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN UST R5	Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN UST R6	Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN UST R7	Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN UST R8	Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN UST R9	Underground Storage Tanks on Indian Land in EPA Region 9
AST_ORANGE COUNTY - CA	Orange County Aboveground Storage Tanks
AST_PLACER COUNTY - CA	Placer County Aboveground Storage Tanks
AST_YOLO COUNTY - CA	Yolo County Above Ground Storage Tanks
CLOSED UST_VENTURA COUNTY - CA	Ventura County Closed Underground Storage Tanks
FID UST - CA	Facility Inventory Database
HIST UST - CA	Historical Underground Storage Tanks
HIST UST_EL SEGUNDO CITY - CA	Historical City of El Segundo Underground Storage Tanks
HIST UST_KERN COUNTY - CA	Historical Kern County Underground Storage Tanks
HIST UST_SUTTER COUNTY - CA	Historical Sutter County Underground Storage Tank List
TANKS_CONTRA COSTA COUNTY - CA	Contra Costa County Aboveground Storage Tanks
UST - CA	Underground Storage Tanks
UST_ALAMEDA COUNTY - CA	Alameda County Underground Storage Tanks
UST_CITY OF LONG BEACH - CA	City of Long Beach Underground Storage Tanks
UST_CITY OF TORRANCE - CA	City of Torrance Underground Storage Tanks
UST_EL SEGUNDO CITY - CA	City of El Segundo Underground Storage Tanks
UST_MARIN COUNTY - CA	Marin County Underground Storage Tanks
UST_MENDOCINO COUNTY - CA	Mendocino County Underground Storage Tanks
UST_NAPA COUNTY - CA	Underground storage tank sites located in Napa county.
UST_ORANGE COUNTY - CA	Orange County Underground Storage Tanks
UST_PLACER COUNTY - CA	Placer County Underground Storage Tanks
UST_RIVERSIDE COUNTY - CA	Riverside County Underground Storage Tanks
UST_SAN FRANCISCO COUNTY - CA	San Francisco County Underground Storage Tanks
UST_SAN JOAQUIN COUNTY - CA	San Joaquin County Underground Storage Tanks
UST_SOLANO COUNTY - CA	Solano County Underground Storage Tanks
UST_SUTTER COUNTY - CA	Sutter County Underground Storage Tanks
UST_YOLO COUNTY - CA	Yolo County Underground Storage Tanks

FEDERAL CERCLIS LIST

CERCLIS-HIST	Comprehensive Environmental Response Compensation and Liability Act
EPA SAA	EPA Superfund Alternative Approach
FEDERAL FACILITY	Federal Facility sites
SEMS_8R_ACTIVE SITES	Sites on SEMS Active Site Inventory

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS	Hazardous Waste Corrective Action
HIST CORRACTS 2	Historical Hazardous Waste Corrective Action

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL	Delisted National Priority List
DELISTED PROPOSED NPL	Delisted proposed National Priority List
SEMS_DELETED NPL	Sites Deleted from National Priorities List

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP	EPA Landfill Methane Outreach Project Database

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS

EPA LUST	EPA LUST
HIST INDIAN LUST R4	Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 4
HIST INDIAN LUST R8	Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land in EPA Region 1
INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land in EPA Region 10
INDIAN LUST R2	Leaking Underground Storage Tanks on Indian Land in EPA Region 2
INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land in EPA Region 4
INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land in EPA Region 5
INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land in EPA Region 6
INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land in EPA Region 7
INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land in EPA Region 8
INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land in EPA Region 9
HIST LUST_SONOMA COUNTY - CA	Historical Sonoma County Leaking Underground Storage Tanks
LUFT_ALAMEDA COUNTY - CA	Alameda County Leaking Underground Fuel Tanks
LUST ORANGE COUNTY - CA	Orange County Leaking Underground Storage Tanks
LUST REG 1 - CA	Region 1 Leaking Underground Storage Tanks
LUST REG 2 - CA	Region 2 Leaking Underground Storage Tanks
LUST REG 3 - CA	Region 3 Leaking Underground Storage Tanks
LUST REG 4 - CA	Region 4 Leaking Underground Storage Tanks
LUST REG 5 - CA	Region 5 Leaking Underground Storage Tanks
LUST REG 6 - CA	Region 6 Leaking Underground Storage Tanks
LUST REG 7 - CA	Region 7 Leaking Underground Storage Tanks
LUST REG 8 - CA	Region 8 Leaking Underground Storage Tanks
LUST REG 9 - CA	Region 9 Leaking Underground Storage Tanks
LUST_HAZMAT_YOLO COUNTY - CA	Yolo County Leaking Underground Storage tanks
LUST_KERN COUNTY - CA	Kern County leaking underground tank sites
LUST_RIVERSIDE COUNTY - CA	Riverside County Leaking Underground Storage Tanks
LUST_SAN FRANCISCO COUNTY - CA	listing of leaking underground storage tanks
LUST_SAN MATEO COUNTY - CA	San Mateo County Leaking Underground Storage Tanks
LUST_SOLANO COUNTY - CA	Solano County Leaking Underground Storage Tanks
LUST_SONOMA COUNTY - CA	Sonoma County Leaking Underground Storage Tanks
LUST_SUTTER COUNTY - CA	Sutter County Leaking Underground Storage Tanks
LUST_VENTURA COUNTY - CA	Ventura County Leaking Underground Storage Tanks
SLIC REG 1 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 2 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 3 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 4 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 5 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 6 - CA	Spills Leaks Investigation & Cleanup Program

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*

SLIC REG 7 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 8 - CA	Spills Leaks Investigation & Cleanup Program
SLIC REG 9 - CA	Spills Leaks Investigation & Cleanup Program
SLIC_ALAMEDA COUNTY - CA	Alameda County Spills Leaks Investigation & Cleanup

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C	Engineering Controls
FED I C	Institutional Controls
RCRA IC_EC	RCRA sites with Institutional and Engineering Controls

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG	Historical Resource Conservation and Recovery Act_Conditionally Exempt Small Quantity Generators
HIST RCRA_LQG	Historical Resource Conservation and Recovery Act_ Large Quantity Generators
HIST RCRA_NONGEN	Historical Resource Conservation and Recovery Act_Non Generators
HIST RCRA_SQG	Historical Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_LQG	Resource Conservation and Recovery Act_ Large Quantity Generators
RCRA_NONGEN	Resource Conservation and Recovery Act_Non Generators
RCRA_SQG	Resource Conservation and Recovery Act_Small Quantity Generators
RCRA_VSQG	Resource Conservation and Recovery Act_Very Small Quantity Generator

FEDERAL NPL SITE LIST

NPL	National Priority List
NPL EPA R1 GIS	GIS for EPA Region 1 NPL
NPL EPA R3 GIS	GIS for EPA Region 3 NPL
NPL EPA R6 GIS	GIS for EPA Region 6 NPL
NPL EPA R8 GIS	GIS for EPA Region 8 NPL
NPL EPA R9 GIS	GIS for EPA Region 9 NPL
PART NPL	Part National Priority List
PROPOSED NPL	Proposed National Priority List
SEMS_FINAL NPL	Sites included on the Final National Priorities List
SEMS_PROPOSED NPL	Sites Proposed to be Added to the National Priorities List

STATE- AND TRIBAL - EQUIVALENT CERCLIS

ENVIROSTOR - CA	EnviroStor Database
HIST TOXIC PITS - CA	Historical Toxic Pits Cleanup Act
OIL & GAS CLEANUP - CA	SWRCB Oil & Gas Cleanup Sites
SWRCB CLEANUP - CA	SWRCB Cleanup Program
SWRCB NON_CASE - CA	SWRCB Non-Case Sites
TOXIC PITS - CA	Toxic Pits Cleanup Act

STATE- AND TRIBAL - EQUIVALENT NPL

HIST RESPONSE - CA	Historical State Response Sites
RESPONSE - CA	State Response Sites

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST SWF/LF - CA	Historical Solid Waste Information System
SWF/LF - CA	Solid Waste Information System

STATE RCRA GENERATORS LIST

HWG_YOLO COUNTY - CA	State Hazardous Waste Generators

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS	Tribal Brownfields

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP - CA	Voluntary Cleanup Program sites

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES	EPA ACRES Brownfields
FED BROWNFIELDS	Federal Brownfields

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL	DOJ Clandestine Drug Labs
US HIST CDL	Historical Clandestine Drug Labs
CASE LIST_SAN DIEGO COUNTY - CA	San Diego County Environmental Case List
CDL - CA	Meth and Clandestine Drug Labs
CORRECTIVE ACTION_RIVERSIDE COUNTY - CA	Riverside County Corrective Action Sites
CS_NAPA COUNTY - CA	Contaminated Sites
CS_PLACER COUNTY - CA	Placer County Cleanup Sites
SCH - CA	School Property Evaluation Program
SITE LIST_CONTRA COSTA COUNTY - CA	Contra Costa County Sites List
TOXIC SITE_SACRAMENTO COUNTY - CA	Sacramento County Toxic Site Cleanup list

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT)	Hazardous Materials Information Reporting Systems
CHMIRS - CA	California Hazardous Material Incident Report System
INDUSTRIAL CLEANUP_ORANGE COUNTY - CA	Petroleum and non-petroleum industrial spills
SML_LOS ANGELES COUNTY - CA	Los Angeles County Emergency Response session spills

LOCAL LAND RECORDS

LIENS 2	CERCLA Lien Information
DEED - CA	Deeds
HIST LIENS - CA	Historical Liens
LIENS - CA	Liens

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8	Historical Open Dump Inventory
INDIAN ODI R8	Open Dump Inventory
ODI	Open Dump Inventory
TRIBAL ODI	Indian Open Dump Inventory Sites
HAULERS - CA	Tire Haulers
LF_SAN DIEGO COUNTY - CA	San Diego County Landfills
SWF_LOS ANGELES COUNTY - CA	Los Angeles County solid waste facilities
SWRCY - CA	Recyclers

OTHER ASCERTAINABLE RECORDS

AFS	Air Facility Systems
ALT FUELING	Alternative Fueling Stations
ARENAS	ARENAS
ARENAS 2	ARENAS (additional)
BRS	Biennial Reporting Systems
CDC HAZDAT	Hazardous Substance Release and Health Effects Information
CHURCHES	CHURCHES
COAL ASH DOE	Coal Ash: Department of Energy
COAL ASH EPA	Coal Ash: Environmental Protection Agency
COAL GAS	Coal Gas Plants
COLLEGES	COLLEGES
COLLEGES 2	COLLEGES 2
CONSENT (DECREES)	Superfund Consent Decree
CORRECTIVE ACTIONS_2020	Wastes - Hazardous Waste - Corrective Action
DEBRIS EPA LF	EPA Disaster Debris Landfill Sites
DEBRIS EPA SWRCY	EPA Disaster Debris Recovery Sites
DOD	Department of Defense
ENOI	Electronic Notice of Intent
EPA FUELS	EPA Fuels Registration, Reporting, and Compliance List
EPA OSC	EPA On-Site Coordinator

OTHER ASCERTAINABLE RECORDS *(cont.)*

EPA WATCH	EPA Watch List
FTTS	FIFRA/TSCA Tracking System
FTTS INSP	FIFRA/TSCA Tracking System: Inspections
FUDS	Formerly Used Defense Sites
GOV MANSIONS	Governors Mansions
HIST AFS	Historical Air Facility Systems
HIST AFS 2	Historical Air Facility Systems
HIST DOD	Department of Defense historical sites
HIST LEAD_SMELTER	Historical Lead Smelter Sites
HIST MLTS	Historical Material Licensing Tracking Systems
HIST PCB TRANS	Historical Polychlorinated Biphenyl (PCB) Facilities
HIST SSTS	Historical Section 7 Tracking Systems
HOSPITALS	HOSPITALS
HWC DOCKET	Hazardous Waste Compliance Docket
INDIAN RESERVATION	American Indian Lands
LUCIS	Land Use Control Information Systems
LUCIS 2	Land Use Control Information Systems 2
MINES	Mines
MLTS	Material Licensing Tracking Systems
NPL AOC	Areas related to NPL remediation sites
NPL LIENS	National Priority List Liens
NURSING HOMES	NURSING HOMES
OSHA	Occupational Safety & Health Administration
PADS	PCB Activity Database Systems
PCB TRANSFORMER	Polychlorinated Biphenyl (PCB) Waste
PFAS NPL	PFAS NPL Sites
PFAS TRIS	PFAS TRIS Sites
PFAS UCMR3	PFAS UCMR Samples
RAATS	RCRA Administrative Action Tracking Systems
RADINFO	Radiation Information Systems
RMP	Risk Management Plans
ROD	Record of Decision
SCHOOLS PRIVATE	SCHOOLS PRIVATE
SCHOOLS PUBLIC	SCHOOLS PUBLIC
SCRD DRYCLEANERS	SCRD Drycleaners
SEMS_SMELTER	Sites on SEMS Potential Smelter Activity
SSTS	Section 7 Tracking Systems
UMTRA	Uranium Mill Tailing Sites
VAPOR	EPA Vapor Intrusion
AOC_SAN GABRIEL VALLEY - CA	San Gabriel Valley Superfund
BOND EXPENDITURE PLAN - CA	Bond Expenditure Plan
BP HW OUT_VENTURA COUNTY - CA	Ventura County Business Plan Hazardous Waste Producers and Operating Underground Tanks
BUSINESS INVENTORY_SAN MATEO COUNTY - CA	San Mateo County List of Underground Storage Tanks, Hazardous Materials, Business Plans, and Hazardous Waste Generators
CORTESE - CA	The Hazardous Waste and Substances Sites List
CUPA_BUTTE COUNTY - CA	Butte County Certified Unified Program Agency
CUPA_FRESNO COUNTY - CA	Fresno County Certified Unified Program Agency
CUPA_PLACER COUNTY - CA	CUPA County Certified Unified Program Agency
DRYCLEANERS - CA	Drycleaners
DRYCLEANERS_AMADOR COUNTY - CA	Amador County Drycleaners
DRYCLEANERS_ANTELOPE VALLEY - CA	Antelope Valley Drycleaners
DRYCLEANERS_BAY AREA - CA	Bay Area Drycleaners
DRYCLEANERS_BUTTE COUNTY - CA	Butte County Drycleaners
DRYCLEANERS_CALAVERAS COUNTY - CA	Calaveras County Drycleaners
DRYCLEANERS_COLUSA COUNTY - CA	Colusa County Drycleaners
DRYCLEANERS_EASTERN KERN COUNTY - CA	Eastern Kern County Drycleaners
DRYCLEANERS_EL DORADO COUNTY - CA	El Dorado County Drycleaners

OTHER ASCERTAINABLE RECORDS *(cont.)*

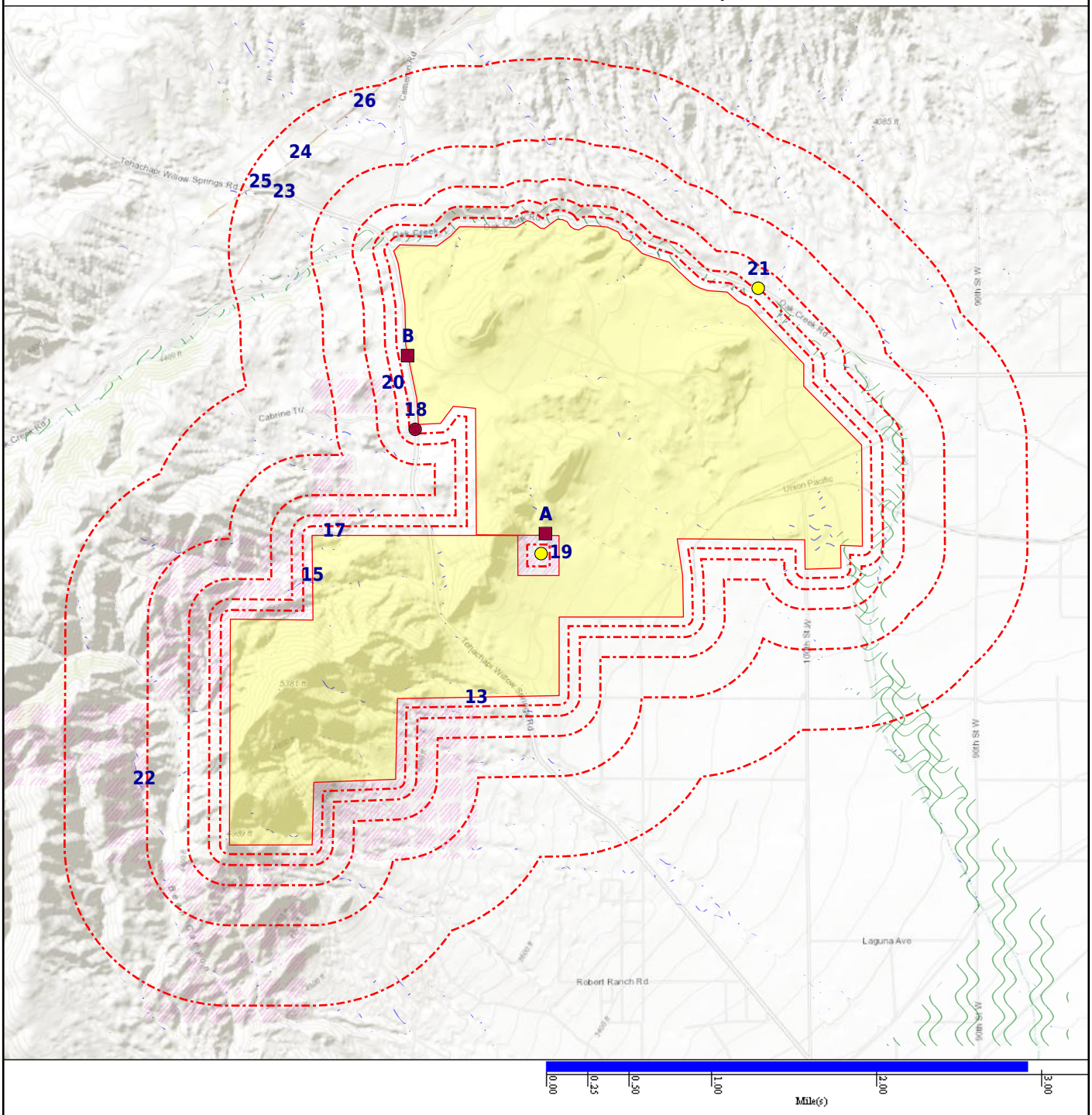
DRYCLEANERS_FEATHER RIVER - CA	Feather River Drycleaners
DRYCLEANERS_GLENN COUNTY - CA	Glenn County Drycleaners
DRYCLEANERS_GREAT BASIN UNIFIED - CA	Great Basin Unified Drycleaners
DRYCLEANERS_IMPERIAL COUNTY - CA	Imperial County Drycleaners
DRYCLEANERS_LAKE COUNTY - CA	Lake County Drycleaners
DRYCLEANERS_LASSEN COUNTY - CA	Lassen County Drycleaners
DRYCLEANERS_MENDOCINO COUNTY - CA	Mendocino County Drycleaners
DRYCLEANERS_MOJAVE DESERT - CA	Mojave Desert Drycleaners
DRYCLEANERS_MONTEREY BAY - CA	Monterey Bay Drycleaners
DRYCLEANERS_NORTH COAST UNIFIED - CA	North Coast Unified Drycleaners
DRYCLEANERS_NORTHERN SIERRA - CA	Northern Sierra Drycleaners
DRYCLEANERS_NORTHERN SONOMA COUNTY - CA	Northern Sonoma County Drycleaners
DRYCLEANERS_PLACER COUNTY - CA	Placer County Drycleaners
DRYCLEANERS_SACRAMENTO COUNTY - CA	Sacramento County Drycleaners
DRYCLEANERS_SAN DIEGO COUNTY - CA	San Diego County Drycleaners
DRYCLEANERS_SAN JOAQUIN VALLEY - CA	San Joaquin Valley Drycleaners
DRYCLEANERS_SAN LUIS OBISPO - CA	San Luis Obispo Drycleaners
DRYCLEANERS_SANTA BARBARA COUNTY - CA	Santa Barbara Drycleaners
DRYCLEANERS_SHASTA COUNTY - CA	Shasta County Drycleaner
DRYCLEANERS_SISKIYOU COUNTY - CA	Siskiyou County Drycleaners
DRYCLEANERS_SOUTH COAST - CA	South Coast Drycleaners
DRYCLEANERS_TEHAMA COUNTY - CA	Tehama County Drycleaners
DRYCLEANERS_TUOLUMNE COUNTY - CA	Tuolumne County Drycleaners
DRYCLEANERS_VENTURA COUNTY - CA	Ventura County Drycleaners
DRYCLEANERS_YOLO-SOLANO COUNTIES - CA	Yolo and Solano Counties Drycleaners
GCC_SANTA CLARA VALLEY - CA	Santa Clara Valley Groundwater Contamination Cleanups
HAZMAT INCIDENT_CONTRA COSTA COUNTY - CA	Contra Costa County Hazardous Materials Incident list
HAZMAT_CITY OF SAN JOSE - CA	City of San Jose Hazardous Material Facilities
HAZMAT_SACRAMENTO COUNTY - CA	Sacramento County Master Hazardous Materials Facility list
HAZMAT_SAN BERNARDINO COUNTY - CA	San Bernardino County Hazardous Material Permits
HAZMAT_SAN DIEGO COUNTY - CA	Hazardous Materials Management Division Database
HAZMAT_SANTA CLARA COUNTY - CA	Santa Clara County Hazardous Material Facilities
HAZWASTE_ORANGE COUNTY - CA	Orange County hazardous waste facilities
HIST CORTESE - CA	The Historical Hazardous Waste and Substances Sites List
HIST HMS_LOS ANGELES COUNTY - CA	Historical Los Angeles County Street Number List
HIST HWP - CA	Historical EnviroStor Permitted Facilities
HIST MCS - CA	Historical Military Cleanup Sites
HIST NFA - CA	Historical No Further Action Sites
HMS_LOS ANGELES COUNTY - CA	Los Angeles County Street Number List
HWM COMMERCIAL FACILITIES - CA	Hazardous Waste Management Commercial Facilities
HWP - CA	EnviroStor Permitted Facilities
HWT - CA	Hazardous Waste Transporters
LOP_SANTA CLARA COUNTY - CA	Santa Clara County Local Oversight Program
MCS - CA	Military Cleanup Sites
MWMP - CA	Medical Waste Management Program
MWMP 2 - CA	Medical Waste Management Program
NFA - CA	No Further Action Sites
NFE - CA	Unconfirmed contaminated properties
PERCHLORATE 2 - CA	Perchlorate contaminted sites
PFAS - CA	PFAS Site Listing
PFAS DOD - CA	PFAS Site Listing
PFAS GAMA - CA	PFAS GAMA Well Sampling
PROPOSITION 65 - CA	Proposition 65 Records
SITES INVENTORY_VENTURA COUNTY - CA	Ventura County Inventory of Closed Illegal Abandoned and Inactive Sites

OTHER ASCERTAINABLE RECORDS *(cont.)*

SMU_SANTA BARBARA COUNTY - CA	Site Mitigation Unit Sites
SWAT - CA	SWAT Reports Summary Data
VCCP_VENTURA COUNTY - CA	Ventura County County Cleanup Program
WDS - CA	Waste Discharge System
WILDLANDS - CA	Preserves List
WIP - CA	Well Investigation Program

SUBJECT NAME: Mojave
ADDRESS: 9350 Oak Creek Rd, Mojave, CA, 93501
LAT/LONG: 35.024102 / -118.338149

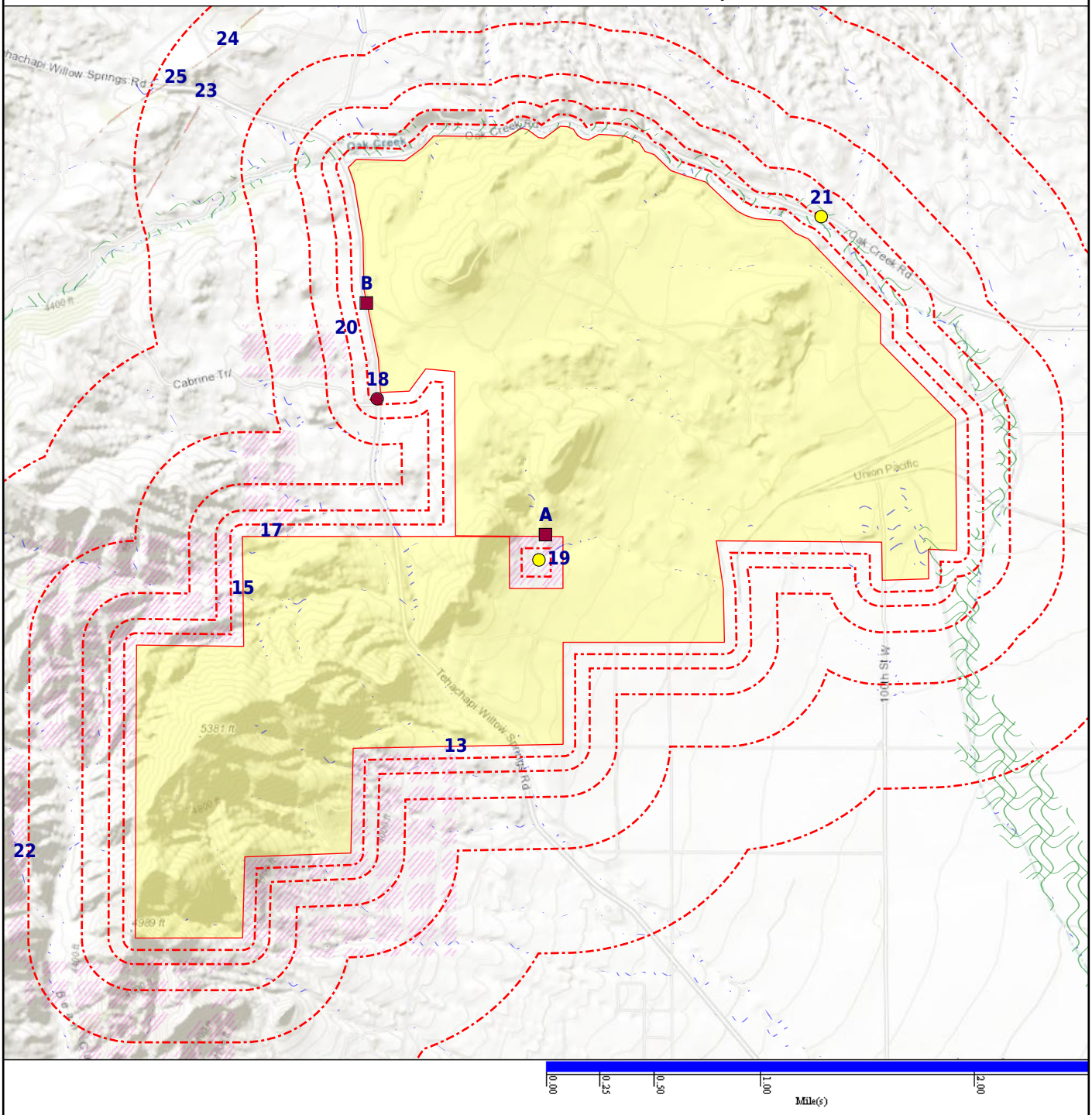
PREPARED FOR: SESPE Consulting
ORDER #: 72512
REPORT DATE: May 24, 2022



- Subject Property
- CDC HAZDAT (No Data)
- Federal Lands
- Indian Reservation (No Data)
- Equal/Higher Elevation
- Department of Defense (No Data)
- FEMA FloodZone 100
- National Priority List (No Data)
- Lower Elevation
- DFIRM Floodzone 100
- FEMA FloodZone 500 (No Data)
- NWI
- Area Of Concern (No Data)
- DFIRM Floodzone 500 (No Data)
- Historical DOD (No Data)
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DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST								
ARCHIVED RCRA TSDF		0.500	0	0	0	--	--	0
RCRA_TSDF		0.500	0	0	0	--	--	0
FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS								
AST PBS		0.125	0	--	--	--	--	0
EPA UST		0.125	0	--	--	--	--	0
FEMA UST		0.125	0	--	--	--	--	0
HIST INDIAN UST R6		0.125	0	--	--	--	--	0
HIST INDIAN UST R7		0.125	0	--	--	--	--	0
INDIAN UST R1		0.125	0	--	--	--	--	0
INDIAN UST R10		0.125	0	--	--	--	--	0
INDIAN UST R2		0.125	0	--	--	--	--	0
INDIAN UST R4		0.125	0	--	--	--	--	0
INDIAN UST R5		0.125	0	--	--	--	--	0
INDIAN UST R6		0.125	0	--	--	--	--	0
INDIAN UST R7		0.125	0	--	--	--	--	0
INDIAN UST R8		0.125	0	--	--	--	--	0
INDIAN UST R9		0.125	0	--	--	--	--	0
AST - CA	X	0.125	0	--	--	--	--	1
AST_KERN COUNTY - CA	X	0.125	2	--	--	--	--	3
AST_ORANGE COUNTY - CA		0.125	0	--	--	--	--	0
AST_PLACER COUNTY - CA		0.125	0	--	--	--	--	0
AST_YOLO COUNTY - CA		0.125	0	--	--	--	--	0
CLOSED UST_VENTURA COUNTY - CA		0.125	0	--	--	--	--	0
FID UST - CA		0.125	0	--	--	--	--	0
HIST UST - CA		0.125	0	--	--	--	--	0
HIST UST_EL SEGUNDO CITY - CA		0.125	0	--	--	--	--	0
HIST UST_KERN COUNTY - CA		0.125	0	--	--	--	--	0
HIST UST_SUTTER COUNTY - CA		0.125	0	--	--	--	--	0
TANKS_CONTRA COSTA COUNTY - CA		0.125	0	--	--	--	--	0
UST - CA		0.125	0	--	--	--	--	0
UST_ALAMEDA COUNTY - CA		0.125	0	--	--	--	--	0
UST_CITY OF LONG BEACH - CA		0.125	0	--	--	--	--	0
UST_CITY OF TORRANCE - CA		0.125	0	--	--	--	--	0
UST_EL SEGUNDO CITY - CA		0.125	0	--	--	--	--	0
UST_KERN COUNTY - CA	X	0.125	0	--	--	--	--	1

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS *(cont.)*								
UST_MARIN COUNTY - CA		0.125	0	--	--	--	--	0
UST_MENDOCINO COUNTY - CA		0.125	0	--	--	--	--	0
UST_NAPA COUNTY - CA		0.125	0	--	--	--	--	0
UST_ORANGE COUNTY - CA		0.125	0	--	--	--	--	0
UST_PLACER COUNTY - CA		0.125	0	--	--	--	--	0
UST_RIVERSIDE COUNTY - CA		0.125	0	--	--	--	--	0
UST_SAN FRANCISCO COUNTY - CA		0.125	0	--	--	--	--	0
UST_SAN JOAQUIN COUNTY - CA		0.125	0	--	--	--	--	0
UST_SOLANO COUNTY - CA		0.125	0	--	--	--	--	0
UST_SUTTER COUNTY - CA		0.125	0	--	--	--	--	0
UST_YOLO COUNTY - CA		0.125	0	--	--	--	--	0
FEDERAL CERCLIS LIST								
CERCLIS NFRAP	X	0.500	0	0	0	--	--	1
CERCLIS-HIST		0.125	0	--	--	--	--	0
EPA SAA		0.500	0	0	0	--	--	0
FEDERAL FACILITY		1.000	0	0	0	0	--	0
SEMS_8R_ACTIVE SITES		0.500	0	0	0	--	--	0
SEMS_8R_ARCHIVED SITES	X	0.500	0	0	0	--	--	1
FEDERAL RCRA CORRACTS FACILITIES LIST								
CORRACTS		1.000	0	0	0	0	--	0
HIST CORRACTS 2		1.000	0	0	0	0	--	0
FEDERAL DELISTED NPL SITE LIST								
DELISTED NPL		1.000	0	0	0	0	--	0
DELISTED PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_DELETED NPL		1.000	0	0	0	0	--	0
FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
EPA LF MOP		0.500	0	0	0	--	--	0
FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS								
EPA LUST		0.500	0	0	0	--	--	0
HIST INDIAN LUST R4		0.500	0	0	0	--	--	0
HIST INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R1		0.500	0	0	0	--	--	0
INDIAN LUST R10		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*								
INDIAN LUST R2		0.500	0	0	0	--	--	0
INDIAN LUST R4		0.500	0	0	0	--	--	0
INDIAN LUST R5		0.500	0	0	0	--	--	0
INDIAN LUST R6		0.500	0	0	0	--	--	0
INDIAN LUST R7		0.500	0	0	0	--	--	0
INDIAN LUST R8		0.500	0	0	0	--	--	0
INDIAN LUST R9		0.500	0	0	0	--	--	0
HIST LUST_SONOMA COUNTY - CA		0.500	0	0	0	--	--	0
LUFT_ALAMEDA COUNTY - CA		0.500	0	0	0	--	--	0
LUST ORANGE COUNTY - CA		0.500	0	0	0	--	--	0
LUST REG 1 - CA		0.500	0	0	0	--	--	0
LUST REG 2 - CA		0.500	0	0	0	--	--	0
LUST REG 3 - CA		0.500	0	0	0	--	--	0
LUST REG 4 - CA		0.500	0	0	0	--	--	0
LUST REG 5 - CA		0.500	0	0	0	--	--	0
LUST REG 6 - CA		0.500	0	0	0	--	--	0
LUST REG 7 - CA		0.500	0	0	0	--	--	0
LUST REG 8 - CA		0.500	0	0	0	--	--	0
LUST REG 9 - CA		0.500	0	0	0	--	--	0
LUST_HAZMAT_YOLO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_KERN COUNTY - CA		0.500	0	0	0	--	--	0
LUST_RIVERSIDE COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SAN FRANCISCO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SAN MATEO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SOLANO COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SONOMA COUNTY - CA		0.500	0	0	0	--	--	0
LUST_SUTTER COUNTY - CA		0.500	0	0	0	--	--	0
LUST_VENTURA COUNTY - CA		0.500	0	0	0	--	--	0
SLIC REG 1 - CA		0.500	0	0	0	--	--	0
SLIC REG 2 - CA		0.500	0	0	0	--	--	0
SLIC REG 3 - CA		0.500	0	0	0	--	--	0
SLIC REG 4 - CA		0.500	0	0	0	--	--	0
SLIC REG 5 - CA		0.500	0	0	0	--	--	0
SLIC REG 6 - CA		0.500	0	0	0	--	--	0
SLIC REG 7 - CA		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS *(cont.)*								
SLIC REG 8 - CA		0.500	0	0	0	--	--	0
SLIC REG 9 - CA		0.500	0	0	0	--	--	0
SLIC_ALAMEDA COUNTY - CA		0.500	0	0	0	--	--	0
FEDERAL ERNS LIST								
ERNS		0.125	1	--	--	--	--	1
FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES								
FED E C		0.500	0	0	0	--	--	0
FED I C		0.500	0	0	0	--	--	0
RCRA IC_EC		0.250	0	0	--	--	--	0
FEDERAL RCRA GENERATORS LIST								
HIST RCRA_CESQG		0.250	0	0	--	--	--	0
HIST RCRA_LQG		0.250	0	0	--	--	--	0
HIST RCRA_NONGEN		0.250	0	0	--	--	--	0
HIST RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_LQG		0.250	0	0	--	--	--	0
RCRA_NONGEN		SP	0	--	--	--	--	0
RCRA_SQG		0.250	0	0	--	--	--	0
RCRA_VSQG		0.250	0	0	--	--	--	0
FEDERAL NPL SITE LIST								
NPL		1.000	0	0	0	0	--	0
NPL EPA R1 GIS		1.000	0	0	0	0	--	0
NPL EPA R3 GIS		1.000	0	0	0	0	--	0
NPL EPA R6 GIS		1.000	0	0	0	0	--	0
NPL EPA R8 GIS		1.000	0	0	0	0	--	0
NPL EPA R9 GIS		1.000	0	0	0	0	--	0
PART NPL		1.000	0	0	0	0	--	0
PROPOSED NPL		1.000	0	0	0	0	--	0
SEMS_FINAL NPL		1.000	0	0	0	0	--	0
SEMS_PROPOSED NPL		1.000	0	0	0	0	--	0
STATE- AND TRIBAL - EQUIVALENT CERCLIS								
ENVIROSTOR - CA		1.000	0	0	0	0	--	0
HIST TOXIC PITS - CA		1.000	0	0	0	0	--	0
OIL & GAS CLEANUP - CA		0.500	0	0	0	--	--	0
SWRCB CLEANUP - CA		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
STATE- AND TRIBAL - EQUIVALENT CERCLIS *(cont.)*								
SWRCB NON_CASE - CA		0.500	0	0	0	--	--	0
TOXIC PITS - CA		1.000	0	0	0	0	--	0
STATE- AND TRIBAL - EQUIVALENT NPL								
HIST RESPONSE - CA		1.000	0	0	0	0	--	0
RESPONSE - CA		1.000	0	0	0	0	--	0
STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS								
HIST SWF/LF - CA		0.500	0	0	0	--	--	0
SWF/LF - CA		0.500	0	0	0	--	--	0
STATE RCRA GENERATORS LIST								
HWG - CA	X	0.063	2	--	--	--	--	3
HWG_YOLO COUNTY - CA		0.125	0	--	--	--	--	0
STATE AND TRIBAL BROWNFIELD SITES								
TRIBAL BROWNFIELDS		0.500	0	0	0	--	--	0
STATE AND TRIBAL VOLUNTARY CLEANUP SITES								
VCP - CA		0.125	0	--	--	--	--	0
LOCAL BROWNFIELD LISTS								
BROWNFIELDS-ACRES		0.500	0	0	0	--	--	0
FED BROWNFIELDS		0.500	0	0	0	--	--	0
LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES								
FED CDL		SP	0	--	--	--	--	0
US HIST CDL		SP	0	--	--	--	--	0
CALARP_KERN COUNTY - CA	X	0.250	0	0	--	--	--	1
CASE LIST_SAN DIEGO COUNTY - CA		0.500	0	0	0	--	--	0
CDL - CA		SP	0	--	--	--	--	0
CORRECTIVE ACTION_RIVERSIDE COUNTY - CA		1.000	0	0	0	0	--	0
CS_NAPA COUNTY - CA		0.500	0	0	0	--	--	0
CS_PLACER COUNTY - CA		1.000	0	0	0	0	--	0
SCH - CA		0.250	0	0	--	--	--	0
SITE LIST_CONTRA COSTA COUNTY - CA		0.250	0	0	--	--	--	0
TOXIC SITE_SACRAMENTO COUNTY - CA		1.000	0	0	0	0	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
RECORDS OF EMERGENCY RELEASE REPORTS								
HMIRS (DOT)		SP	0	--	--	--	--	0
CHMIRS - CA		SP	0	--	--	--	--	0
HIST CHMIRS - CA	X	SP	--	--	--	--	--	1
INDUSTRIAL CLEANUP_ORANGE COUNTY - CA		0.125	0	--	--	--	--	0
SML_LOS ANGELES COUNTY - CA		0.125	0	--	--	--	--	0
LOCAL LAND RECORDS								
LIENS 2		SP	0	--	--	--	--	0
DEED - CA		0.500	0	0	0	--	--	0
HIST LIENS - CA		0.125	0	--	--	--	--	0
LIENS - CA		SP	0	--	--	--	--	0
LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES								
HIST INDIAN ODI R8		0.500	0	0	0	--	--	0
INDIAN ODI R8		0.500	0	0	0	--	--	0
ODI		0.500	0	0	0	--	--	0
TRIBAL ODI		0.500	0	0	0	--	--	0
HAULERS - CA		0.500	0	0	0	--	--	0
LF_SAN DIEGO COUNTY - CA		0.500	0	0	0	--	--	0
SWF_LOS ANGELES COUNTY - CA		0.500	0	0	0	--	--	0
SWRCY - CA		0.500	0	0	0	--	--	0
OTHER ASCERTAINABLE RECORDS								
AFS		SP	0	--	--	--	--	0
ALT FUELING		0.250	0	0	--	--	--	0
ARENAS		SP	0	--	--	--	--	0
ARENAS 2		SP	0	--	--	--	--	0
BRS		SP	0	--	--	--	--	0
CDC HAZDAT		1.000	0	0	0	0	--	0
CHURCHES		SP	0	--	--	--	--	0
COAL ASH DOE		0.125	0	--	--	--	--	0
COAL ASH EPA		0.125	0	--	--	--	--	0
COAL GAS		1.000	0	0	0	0	--	0
COLLEGES		SP	0	--	--	--	--	0
COLLEGES 2		SP	0	--	--	--	--	0
CONSENT (DECREES)		1.000	0	0	0	0	--	0
CORRECTIVE ACTIONS_2020		0.500	0	0	0	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
DEBRIS EPA LF		0.125	0	--	--	--	--	0
DEBRIS EPA SWRCY		0.125	0	--	--	--	--	0
DOD		1.000	0	0	0	0	--	0
DOT OPS	X	SP	--	--	--	--	--	1
ENOI		SP	0	--	--	--	--	0
EPA FUELS		SP	0	--	--	--	--	0
EPA OSC		0.125	0	--	--	--	--	0
EPA WATCH		SP	0	--	--	--	--	0
FEDLAND	X	1.000	3	0	0	1	--	6
FTTS		SP	0	--	--	--	--	0
FTTS INSP		SP	0	--	--	--	--	0
FUDS		1.000	0	0	0	0	--	0
GOV MANSIONS		SP	0	--	--	--	--	0
HIST AFS		SP	0	--	--	--	--	0
HIST AFS 2		SP	0	--	--	--	--	0
HIST DOD		1.000	0	0	0	0	--	0
HIST LEAD_SMELTER		SP	0	--	--	--	--	0
HIST MLTS		SP	0	--	--	--	--	0
HIST PCB TRANS		SP	0	--	--	--	--	0
HIST SSTS		SP	0	--	--	--	--	0
HOSPITALS		SP	0	--	--	--	--	0
HWC DOCKET		SP	0	--	--	--	--	0
INDIAN RESERVATION		1.000	0	0	0	0	--	0
LUCIS		0.500	0	0	0	--	--	0
LUCIS 2		0.500	0	0	0	--	--	0
MANIFEST EPA	X	0.250	0	1	--	--	--	3
MINE OPERATIONS	X	0.250	0	0	--	--	--	2
MINES		0.250	0	0	--	--	--	0
MINES USGS	X	0.250	1	0	--	--	--	7
MLTS		SP	0	--	--	--	--	0
NPL AOC		1.000	0	0	0	0	--	0
NPL LIENS		SP	0	--	--	--	--	0
NURSING HOMES		SP	0	--	--	--	--	0
OSHA		SP	0	--	--	--	--	0
PADS		SP	0	--	--	--	--	0
PCB TRANSFORMER		SP	0	--	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
PFAS NPL		0.500	0	0	0	--	--	0
PFAS TRIS		0.500	0	0	0	--	--	0
PFAS UCMR3		0.500	0	0	0	--	--	0
RAATS		SP	0	--	--	--	--	0
RADINFO		SP	0	--	--	--	--	0
RMP		0.500	0	0	0	--	--	0
ROD		1.000	0	0	0	0	--	0
SCHOOLS PRIVATE		SP	0	--	--	--	--	0
SCHOOLS PUBLIC		SP	0	--	--	--	--	0
SCRD DRYCLEANERS		0.250	0	0	--	--	--	0
SEMS_SMELTER		SP	0	--	--	--	--	0
SSTS		SP	0	--	--	--	--	0
STORMWATER	X	SP	--	--	--	--	--	1
TOSCA-PLANT	X	SP	--	--	--	--	--	1
TRIS	X	SP	--	--	--	--	--	1
UMTRA		0.500	0	0	0	--	--	0
VAPOR		0.500	0	0	0	--	--	0
AOC_SAN GABRIEL VALLEY - CA		1.000	0	0	0	0	--	0
BOND EXPENDITURE PLAN - CA		1.000	0	0	0	0	--	0
BP HW OUT_VENTURA COUNTY - CA		0.125	0	--	--	--	--	0
BUSINESS INVENTORY_SAN MATEO COUNTY - CA		0.250	0	0	--	--	--	0
CALEPA SITES - CA	X	0.063	0	--	--	--	--	1
CIWQS - CA	X	SP	--	--	--	--	--	1
CORTESE - CA		0.125	0	--	--	--	--	0
CUPA_BUTTE COUNTY - CA		0.250	0	0	--	--	--	0
CUPA_FRESNO COUNTY - CA		0.250	0	0	--	--	--	0
CUPA_PLACER COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_AMADOR COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_ANTELOPE VALLEY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_BAY AREA - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_BUTTE COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_CALAVERAS COUNTY - CA		0.250	0	0	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
DRYCLEANERS_COLUSA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_EASTERN KERN COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_EL DORADO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_FEATHER RIVER - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_GLENN COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_GREAT BASIN UNIFIED - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_IMPERIAL COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_LAKE COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_LASSEN COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_MENDOCINO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_MOJAVE DESERT - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_MONTEREY BAY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_NORTH COAST UNIFIED - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_NORTHERN SIERRA - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_NORTHERN SONOMA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_PLACER COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SACRAMENTO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SAN DIEGO COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SAN JOAQUIN VALLEY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SAN LUIS OBISPO - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SANTA BARBARA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SHASTA COUNTY - CA		0.250	0	0	--	--	--	0

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
DRYCLEANERS_SISKIYOU COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_SOUTH COAST - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_TEHAMA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_TUOLUMNE COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_VENTURA COUNTY - CA		0.250	0	0	--	--	--	0
DRYCLEANERS_YOLO-SOLANO COUNTIES - CA		0.250	0	0	--	--	--	0
EMI - CA	X	SP	--	--	--	--	--	1
GCC_SANTA CLARA VALLEY - CA		0.500	0	0	0	--	--	0
HAZMAT INCIDENT_CONTRA COSTA COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_CITY OF SAN JOSE - CA		0.250	0	0	--	--	--	0
HAZMAT_SACRAMENTO COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_SAN BERNARDINO COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_SAN DIEGO COUNTY - CA		0.250	0	0	--	--	--	0
HAZMAT_SANTA CLARA COUNTY - CA		0.250	0	0	--	--	--	0
HAZNET - CA	X	0.063	2	--	--	--	--	3
HAZWASTE_ORANGE COUNTY - CA		0.500	0	0	0	--	--	0
HIST CORTESE - CA		0.125	0	--	--	--	--	0
HIST HAZNET - CA		0.063	1	--	--	--	--	1
HIST HMS_LOS ANGELES COUNTY - CA		0.250	0	0	--	--	--	0
HIST HWP - CA		0.125	0	--	--	--	--	0
HIST LDS - CA	X	0.125	0	--	--	--	--	1
HIST MCS - CA		0.125	0	--	--	--	--	0
HIST NFA - CA		0.125	0	--	--	--	--	0
HMS_LOS ANGELES COUNTY - CA		0.250	0	0	--	--	--	0
HWM COMMERCIAL FACILITIES - CA		0.125	0	--	--	--	--	0
HWP - CA		0.125	0	--	--	--	--	0
HWT - CA		0.125	0	--	--	--	--	0
LDS - CA	X	0.500	0	0	0	--	--	1

DATABASE	SUBJECT PROPERTY	SEARCH DISTANCE (MILES)	<1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	TOTAL MAPPED
OTHER ASCERTAINABLE RECORDS *(cont.)*								
LOP_SANTA CLARA COUNTY - CA		0.500	0	0	0	--	--	0
MCS - CA		1.000	0	0	0	0	--	0
MWMP - CA		0.250	0	0	--	--	--	0
MWMP 2 - CA		0.250	0	0	--	--	--	0
NFA - CA		0.500	0	0	0	--	--	0
NFE - CA		0.500	0	0	0	--	--	0
NPDES - CA	X	SP	--	--	--	--	--	1
PERCHLORATE 2 - CA		0.500	0	0	0	--	--	0
PFAS - CA		0.500	0	0	0	--	--	0
PFAS DOD - CA		0.500	0	0	0	--	--	0
PFAS GAMA - CA		0.500	0	0	0	--	--	0
PROPOSITION 65 - CA		1.000	0	0	0	0	--	0
SITES INVENTORY_VENTURA COUNTY - CA		0.500	0	0	0	--	--	0
SMU_SANTA BARBARA COUNTY - CA		1.000	0	0	0	0	--	0
SWAT - CA		0.500	0	0	0	--	--	0
VCCP_VENTURA COUNTY - CA		0.125	0	--	--	--	--	0
WDS - CA		0.250	0	0	--	--	--	0
WILDLANDS - CA		1.000	0	0	0	0	--	0
WIP - CA		0.250	0	0	--	--	--	0
OTHER								
SEISMIC - CA		1.000	0	0	0	4	--	4

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA]

Envirosite ID: 223307
EPA ID: N/R

AST - CA

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	Kern County

Site Details

Site ID :	102355
Facility Identifer :	N/R
EPA Identifier :	CAD008256315
Facility Explorer ID :	102355
Dun and Bradsheet Number :	N/R
Regulatory Programs :	Hazardous Chemical Management, Chemical Storage Facilities, Aboveground Petroleum Storage, Hazardous Waste Generator, Industrial Facility Storm Water
SIC :	N/R
NAICS :	N/R
Latitude :	35.039320
Longitude :	-118.301750
Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-26

Violations

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Violation Date :	2018-05-01
Citation :	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Description : Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Notes :

Returned to compliance on 07/20/2018. The following corrections shall be made to the facility's inventory within 30 days: 1. Correct white vinegar and auto shampoo quantities in Butler Building to inventory; 2. Add two, 100 pound propane cylinders at Brick Storage location; 3. Add five, 381 cubic foot cylinders of NOS at Brick Storage Location; 4. Largest container, Average Daily Amount, and Maximum Daily Amount shall be corrected for all materials on inventory; 5. All hazardous materials which meet or exceed threshold amounts shall be added to the inventory.

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Violation Date : 2017-06-08

Citation : HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

Description : Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Notes :

Returned to compliance on 07/17/2017. Ensure all hazardous waste containers have appropriate labeling indicating the following - contents - accumulation start date - the wards "hazardous waste" - the composition and physical state of the waste - a statement that calls attention to the particular hazard of the waste (ie. toxic, flammable, ignitable, ect.) - the name and address of the facility producing the waste If containers are empty or out of service they should be labeled as such.

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Violation Date : 2016-05-04

Citation : HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Description : Failure to complete and electronically submit a site map with all required content.

Notes : Returned to compliance on 10/03/2016. Reference to location of hazardous materials on site map is inaccurate. Review and update site map. Submit updated site map into CERS.

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Violation Date : 2016-05-04

Citation : HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections

Description : Haz Waste Generator Program - Operations/Maintenance - General

Notes : Returned to compliance on 05/31/2016. Empty containers are not properly labeled with the word "EMPTY" and the date when emptied. Properly label and store empty containers.

Division : Kern County Env Health Services Department
Program : HW
Source : CERS

Violation Date : 2015-05-15

Citation : HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Description : Failure to complete and electronically submit a site map with all required content.

Notes : Returned to compliance on 05/19/2015. PROVIDE ADDITIONAL 8X11 MAPS SHOWING GREATER DETAIL OF CHEMICAL STORAGE AREAS

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Enforcements

Enforcement Action Date : 2015-05-15
Type : Notice of Violation (Unified Program)
Description : Notice of Violation Issued by the Inspector at the Time of Inspection
Notes : N/R
Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Chemicals

Chemical Name : (M) MULTIPLEX RED # 2 GREASE
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 0-99 Pounds
Average Daily Amount / Unit : 0-99 Pounds
Days Onsite : 365
Physical State(s) : Solid, Pure

Chemical Name : (M) OILY RAGS
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 100-499 Pounds
Average Daily Amount / Unit : 100-499 Pounds
Days Onsite : 365

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Physical State(s) : Solid, Pure

Chemical Name : (M) USED OIL FILTERS
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 100-499 Pounds
Average Daily Amount / Unit : 100-499 Pounds
Days Onsite : 365
Physical State(s) : Solid, Pure

Chemical Name : (M) WASTE OIL
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 120-599 Gallons
Average Daily Amount / Unit : 120-599 Gallons
Days Onsite : 365
Physical State(s) : Liquid, Pure

Chemical Name : (N) GAS CYLINDERS COMPRESSED GAS N.O.S.
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 2600-12999 Cubic Feet
Average Daily Amount / Unit : 2600-12999 Cubic Feet
Days Onsite : 365
Physical State(s) : Gas, Pure

AST_KERN COUNTY - CA

Facility Name : CalPortland Company
Facility Address : 9350 OAK CREEK RD, Mojave, CA 93501

Site Details
Facility ID : FA0003180
CERS ID : 10154991
Last HMIRRP Date : N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST_KERN COUNTY - CA ***(cont.)***

Billing Status :	Active, billable
Program/Element Code :	CD03
Program/Element :	APSA >99,999 GALLON CAPACITY
Current Inspection Date :	2025-05-01
Designated Employee :	Mahinan
Mailing Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
Mailing Address 2 :	N/R
Last Date in Agency List :	2022-04-15

CALARP_KERN COUNTY - CA

Facility Name :	CalPortland Company - CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, Mojave, CA

Site Details

Last Modified :	N/R
Link :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-01-10

Substances

Regulated Substance(s) :	(A) AMMONIUM NITRATE TANK, (A) PRIMACORD, (K) GAS CYLINDERS ETHYLENE, (L) AMMONIUM HYDROXIDE19%, (N) GAS CYLINDERS SULFUR DIOXIDE

CALEPA SITES - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, 93501-7738
Site ID :	457035
EI ID :	110017431233
EI Description :	US EPA Air Emission Inventory System (EIS)
Latitude :	35.029298

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CALEPA SITES - CA ***(cont.)***

Longitude :	-118.316230
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, 93501
Site ID :	102355
EI ID :	241177
EI Description :	Industrial Facility Storm Water
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Aboveground Petroleum Storage
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Hazardous Waste Generator
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Chemical Storage Facilities
Latitude :	35.039320

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CALEPA SITES - CA ***(cont.)***

Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Hazardous Chemical Management
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	RCRA LQ HW Generator
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Facility Name :	CALPORTLAND COMPANY MOJAVE PLANT
Facility Address :	9350 Oak Creek Rd, Mojave, 93501
Site ID :	102360
EI ID :	93502CLFRN9350O
EI Description :	Toxic Release Inventory
Latitude :	35.031033
Longitude :	-118.319267
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Facility Name :	CALPORTLAND - MOJAVE CEMENT PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, 93501

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CALEPA SITES - CA ***(cont.)***

Site ID :	135958
EI ID :	241176
EI Description :	Land Disposal
Latitude :	35.039693
Longitude :	-118.247573
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Site ID :	135958
EI ID :	L10009509578
EI Description :	Land Disposal Site
Latitude :	35.039693
Longitude :	-118.247573
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Facility Name :	SCE CAL CEMENT SUBSTATION
Facility Address :	9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT), MOJAVE, 93501

Site ID :	155132
EI ID :	10198819
EI Description :	Chemical Storage Facilities
Latitude :	35.031030
Longitude :	-118.319270
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

CERCLIS NFRAP

Facility Name :	CALIFORNIA PORTLAND CEMENT, CO.
Facility Address :	9350 OAK CREEK RD., MOJAVE, CA 93501
County :	KERN

Site ID :	0904614
Epa ID :	CAD008256315

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

CERCLIS NFRAP ***(cont.)***

Short Name :	CALIFORNIA PORTLAND CEMEN
Congressional District :	20
IFMS ID :	N/R
SMSA Number :	0680
USGC Hydro Unit :	18090206
Federal Facility :	N
DMNSN Number :	N/R
Site Orphan Flag :	N
RCRA ID :	Y
USGS Quadrangle :	N/R
Site Init by Prog :	N/R
NFRAP Flag :	NFA
Parent ID :	N/R
RST Code :	N/R
EPA Region :	09
Classification :	N/R
Site Settings Code :	N/R
NPL Status :	Not on the NPL
DMNSN Unit Code :	N/R
RBRAC Code :	N/R
RResp Fed Agency Code :	N/R
Non NPL Status :	NFRAP-Site does not qualify for the NPL based on existing information
Non NPL Status Date :	1995-05-04
Site Fips Code :	06029
CC Concurrence Date :	N/R
CC Concurrence FY :	N/R
Alias EPA ID :	N/R
Site FUDS Flag :	N/R

CERCLIS Site Contact Name(s)

Contact ID :	13003854
Contact Title :	Site Assessment Manager (SAM)
Contact ID :	13003858
Contact Title :	Site Assessment Manager (SAM)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

CERCLIS NFRAP ***(cont.)***

Contact ID :	13004003
Contact Title :	Site Assessment Manager (SAM)
Alias Comments :	N/R
Site Description :	N/R

CERCLIS Assessment History

Action Code :	001
Action :	PRELIMINARY ASSESSMENT
Date Started :	N/R
Date Completed :	1994-03-16
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	EPA Fund-Financed
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

Action Code :	001
Action :	ARCHIVE SITE
Date Started :	N/R
Date Completed :	1996-01-23
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	EPA In-House
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

Action Code :	001
Action :	DISCOVERY
Date Started :	N/R
Date Completed :	1992-10-16
Priority Level :	1
Operational Unit :	00

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

CERCLIS NFRAP ***(cont.)***

Primary Responsibility :	EPA Fund-Financed
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R
Action Code :	001
Action :	SITE INSPECTION
Date Started :	1994-03-24
Date Completed :	1995-05-04
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	EPA Fund-Financed
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

CIWQS - CA

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Place ID :	S241177
Agency Name :	CALPORTLAND CO
Last Date in Agency List :	2022-03-22
Facility Name :	MOJAVE PLANT-CALIF PORTLAND
Facility Address :	9350 OAK CREEK, MOJAVE, CA 93501
County :	KERN
Place ID :	241176
Agency Name :	CALIFORNIA PORTLAND CEMENT
Last Date in Agency List :	2022-03-22

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

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Envirosite ID: 223307
EPA ID: N/R

CIWQS - CA ***(cont.)***

Facility Name :	MOJAVE READY MIX PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Place ID :	S802999
Agency Name :	CALPORTLAND CO
Last Date in Agency List :	2022-03-22

CIWQS 2 - CA

Facility Name :	Mojave Plant-Calif Portland
Facility Address :	9350 Oak Creek Road, Mojave, 93501
County :	Kern
Facility ID :	241176
WDID :	6B152003001
Facility Type :	Industrial
Region :	6B
Place Type :	Manufacturing
Place Subtype :	Concrete Manufacturing
Ageny Name :	California Portland Cement
Agency Type :	Privately-Owned Business
Number of Agencies :	1
Status Date :	2015-01-09
Status :	Active
Status Enrollee :	N
Individual/General :	I
Fee Code :	59 - Land Disposal Site not paying tipping fee
Staff Assigned :	N/R
Number of Staff Assigned :	N/R
Supervisor :	N/R
Number of Supervisor :	N/R
Number of Amendments :	0
Number of Reg Measures :	1
Baseline Flow :	0.11
Population (MS4)/Acres :	N/R
Reclamation :	N - No
CAFO Type :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

CIWQS 2 - CA ***(cont.)***

CAFO Subtype :	N/R
CAFO Population :	N/R
Onsite :	N/R
Quality Assurance :	N/R
RCRA Flag :	N
Total MMP Violations Number :	0
Total Number of Violations :	8
Total Number of Inspections :	16
Date of Most Recent Completed Inspection:	2020-06-15
Date of Most Recent Received Report :	2021-07-13
Total Number of Final (A+H) Enforcement Actions:	0
Most Recent Effective Date of Enf Action (A+H):	N/R
Program :	LNDISPOTH
Program Category :	LNDISP
Number of Programs :	1
Complexity :	B
Pretreatment :	X - Facility is not a POTW
Facility Waste Type :	Cooling water: Noncontact
Reg Measure ID :	148479
Reg Measure Type :	WDR
Reg Measure Title :	CALIF PORTLAND CEMENT CO
Reg Measure Description :	N/R
SIC 1 :	3271 - Concrete Block and Brick
SIC 2 :	-
SIC 3 :	-
Latitude :	35.039693
Longitude :	-118.247573
Last Date in Agency List :	2022-05-06

Facility ID :	241176
WDID :	6B152003001
Facility Type :	Industrial
Region :	6B
Place Type :	Manufacturing
Place Subtype :	Concrete Manufacturing
Ageny Name :	California Portland Cement

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

CIWQS 2 - CA ***(cont.)***

Agency Type :	Privately-Owned Business
Number of Agencies :	1
Status Date :	1996-02-08
Status :	Historical
Status Enrollee :	N
Individual/General :	I
Fee Code :	N/R
Staff Assigned :	N/R
Number of Staff Assigned :	N/R
Supervisor :	N/R
Number of Supervisor :	N/R
Number of Amendments :	0
Number of Reg Measures :	2
Baseline Flow :	0.11
Population (MS4)/Acres :	N/R
Reclamation :	N - No
CAFO Type :	N/R
CAFO Subtype :	N/R
CAFO Population :	N/R
Onsite :	N/R
Quality Assurance :	N/R
RCRA Flag :	N
Total MMP Violations Number :	0
Total Number of Violations :	32
Total Number of Inspections :	8
Date of Most Recent Completed Inspection:	2001-02-13
Date of Most Recent Received Report :	N/R
Total Number of Final (A+H) Enforcement Actions:	3
Most Recent Effective Date of Enf Action (A+H):	2009-02-24
Program :	LNDISP
Program Category :	LNDISP
Number of Programs :	1
Complexity :	B
Pretreatment :	X - Facility is not a POTW
Facility Waste Type :	Cooling water: Noncontact
Reg Measure ID :	146875
Reg Measure Type :	WDR

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CIWQS 2 - CA ***(cont.)***

Reg Measure Title :	WDR 96-010 for CALIFORNIA PORTLAND CEMENT CO
Reg Measure Description :	N/R
SIC 1 :	3271 - Concrete Block and Brick
SIC 2 :	-
SIC 3 :	-
Latitude :	35.039693
Longitude :	-118.247573
Last Date in Agency List :	2022-05-06

ECHO

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
County :	KERN
Last Inspection Date :	2020-06-15
Registry ID :	110017431233
FIPS Code :	06029
EPA Region :	09
Inspection Count :	10
Last Inspection Days :	643
Informal Count :	0
Last Informal Action Date :	2015-08-11
Formal Action Count :	1
Last Formal Action Date :	2017-12-11
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	2015-10-10
Last Penalty Amount :	3125
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	_____U
Collection Method :	N/R
Reference Point :	CENTER OF A FACILITY OR STATION
Accuracy Meters :	17600
Derived Tribes :	N/R
Derived HUC :	18090206
Derived WBD :	180902061701

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Derived STCTY FIPS :	06029
Derived Zip :	93501
Derived CD113 :	23
Derived CB2010 :	060290060073206
MYRTK Universe :	YNN
NPDES IDs :	CAZ203975
CWA Permit Types :	Minor
CWA Compliance Tracking :	On
CWA NAICS :	N/R
CWA SICS :	3241
CWA Inspection Count :	2
CWA Last Inspection Days :	642
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	0
CWA Current Compliance Status :	No Violation Identified
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	_____
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	3241
Facility NAICS :	327310 - Cement Manufacturing, 32731 - Cement Manufacturing
Facility Last Inspection EPA Date :	2011-09-28
Facility Last Inspection State Date :	2020-06-15
Facility Last Formal Act EPA Date :	2012-02-09
Facility Last Formal Act State Date :	2017-12-11
Facility Last Informal Act EPA Date :	2010-03-10
Facility Last Informal Act State Date:	2015-08-11
Facility Federal Agency :	N/R
TRI Reporter :	Y
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	Y
SDWIS Flag :	Y
RCRA Flag :	Y
TRI Flag :	Y
GHG Flag :	N
Major Flag :	Y
Active Flag :	Y
NAA Flag :	Y
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2022-03-29
Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Last Inspection Date :	2015-12-15
Registry ID :	110017431233
FIPS Code :	06029
EPA Region :	09
Inspection Count :	3
Last Inspection Days :	670
Informal Count :	2
Last Informal Action Date :	2015-08-11
Formal Action Count :	1
Last Formal Action Date :	2015-10-10
Total Penalties :	3125
Penalty Count :	1
Last Penalty Date :	2015-10-10
Last Penalty Amount :	3125
QTRS IN NC :	11
Programs IN SNC :	0
Current Compliance Status :	In Violation
Three-Year Compliance Status :	VVVVVVVVVVVU
Collection Method :	N/R
Reference Point :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Accuracy Meters :	17501
Derived Tribes :	N/R
Derived HUC :	18090206
Derived WBD :	180902061701
Derived STCTY FIPS :	06029
Derived Zip :	93501
Derived CD113 :	23
Derived CB2010 :	060290060073206
MYRTK Universe :	YNN
NPDES IDs :	CAZ203975
CWA Permit Types :	Minor
CWA Compliance Tracking :	On
CWA NAICS :	N/R
CWA SICS :	3241
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	0
CWA Current Compliance Status :	No Violation
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	_____
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	3241
Facility NAICS :	327310 - Cement Manufacturing, 32731 - Cement Manufacturing
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	2012-02-09
Facility Last Formal Act State Date :	2015-10-10
Facility Last Informal Act EPA Date :	2010-03-10
Facility Last Informal Act State Date:	2015-08-11
Facility Federal Agency :	N/R
TRI Reporter :	Y
Facility Imp Water Flag :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N
Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	Y
SDWIS Flag :	Y
RCRA Flag :	Y
TRI Flag :	Y
GHG Flag :	Y
Major Flag :	Y
Active Flag :	Y
NAA Flag :	Y
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2017-10-23
Facility Name :	CALPORTLAND COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
County :	KERN COUNTY
Last Inspection Date :	N/R
Registry ID :	110063527964
FIPS Code :	18091
EPA Region :	09
Inspection Count :	0
Last Inspection Days :	N/R
Informal Count :	0
Last Informal Action Date :	N/R
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	N/R
Programs IN SNC :	0

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Current Compliance Status :	N/R
Three-Year Compliance Status :	N/R
Collection Method :	N/R
Reference Point :	N/R
Accuracy Meters :	999999999
Derived Tribes :	N/R
Derived HUC :	07120001
Derived WBD :	071200010403
Derived STCTY FIPS :	18091
Derived Zip :	46350
Derived CD113 :	02
Derived CB2010 :	180910420001072
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	N/R
Facility NAICS :	327310 - Cement Manufacturing
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	N
TRI Flag :	N
GHG Flag :	Y
Major Flag :	N/R
Active Flag :	N/R
NAA Flag :	N
Latitude :	41.630808
Longitude :	-86.708944
Last Date in Agency List :	2022-03-29

Facility Name :	CA PORTLAND CEMENT CO
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Last Inspection Date :	2015-12-15
Registry ID :	110017431233
FIPS Code :	06029
EPA Region :	09
Inspection Count :	3
Last Inspection Days :	537
Informal Count :	3
Last Informal Action Date :	2015-08-11
Formal Action Count :	2
Last Formal Action Date :	2015-10-10
Total Penalties :	3125
Penalty Count :	1

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name :	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT 9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT) MOJAVE | Mojave | mojave, CA
Database(s) :	[AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Last Penalty Date :	2015-10-10
Last Penalty Amount :	3125
QTRS IN NC :	11
Programs IN SNC :	0
Current Compliance Status :	In Violation
Three-Year Compliance Status :	VVVVVVVVVVVU
Collection Method :	N/R
Reference Point :	N/R
Accuracy Meters :	17501
Derived Tribes :	N/R
Derived HUC :	18090206
Derived WBD :	180902061701
Derived STCTY FIPS :	06029
Derived Zip :	93501
Derived CD113 :	23
Derived CB2010 :	060290060073206
MYRTK Universe :	YNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	3241
Facility NAICS :	327310 - Cement Manufacturing, 32731 - Cement Manufacturing
Facility Last Inspection EPA Date :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	2012-02-09
Facility Last Formal Act State Date :	2015-10-10
Facility Last Informal Act EPA Date :	2010-03-10
Facility Last Informal Act State Date:	2015-08-11
Facility Federal Agency :	N/R
TRI Reporter :	Y
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N
US Mexico Border Flag :	N
Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	N
SDWIS Flag :	Y
RCRA Flag :	Y
TRI Flag :	Y
GHG Flag :	Y
Major Flag :	Y
Active Flag :	Y
NAA Flag :	Y
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2017-06-05

EMI - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT CO.
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, 93501
County :	Kern
Facility ID :	9
Air Basin Code :	Mojave Desert
District :	EASTERN KERN APCD
County ID :	KER
SIC Code :	3241
CHAPIS :	N/R
CERR Code :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

EMI - CA ***(cont.)***

Last Date in Agency List : 2022-03-09

Additional Details

Year :	2018
Total Organic Gases (Tons/Year) :	8.154182352438629655344192544229605287 71
Reactive Organic Gases (Tons/Year) :	6.64
Carbon Monoxide (Tons/Year) :	576.32
Nitrogen Oxides (Tons/Year) :	1626
Sulfur Oxides (Tons/Year) :	456.63
Particulate Matter (Tons/Year) :	655.1149746303910419035954859592336628 47
Fine Particulate Matter (Tons/Year) :	314.41

FRS

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501-7738
County :	KERN

Site Details

Registry ID :	110017431233
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Source Description

Source Description : AIR contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies. AFS contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description : The California Environmental Reporting System (CERS) is a statewide web-based user and information exchange system to support over 140,000 regulated businesses and over 130 local agencies in electronically collecting and reporting significant hazardous materials, hazardous waste and compliance and enforcement data as mandated by California law. Under oversight by Cal/EPA, certified local governing agencies (Unified Program Agencies - UPAs) consolidate, coordinate and provide consistent regulatory activities for six state and federal environmental programs.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

Source Description : The Emission Inventory System (EIS) maintains an inventory of large stationary sources and voluntarily-reported smaller sources of air point pollution emitters. It contains information about facility sites and their physical location, emission units, emission processes, release points, control approaches, and regulations. Facility inventory data are kept separate from the emissions data and have stable identifiers to improve continuity from year to year and to help identify duplicate or missing facilities.
EPS
HWTS-DATAMART provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The NPDES module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
OSHA-OIS

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description :

RCRAInfo is EPA’s comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.
The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.
TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

Source Description :

The 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.

Source Description :

The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

FRS Environmental Interest
Source and System ID :
AIRS/AFS - 0602900009
API - EPS10055626
CA-CERS - 10154991
CA-ENVIROVIEW - 102355
CA-ENVIROVIEW - 102360
EIS - 4789311
HWTS-DATAMART - CAD008256315
ICIS - CAKCA0000602900009
ICIS - CAZ203975
OSHA-OIS - 316873918
OSHA-OIS - 340668888
OSHA-OIS - 341022002
OSHA-OIS - 341314110
RBLC - 143
RCRAINFO - CAD008256315
SFDW - CA1502034
TRIS - 93502CLFRN9350O
TSCA - 100605022
TSCA - TSCA4998

Facility Name : CALIFORNIA PORTLAND CEMENT-WELL 05/06 - CL2 TREATMENT
Facility Address : 9350 OAK CREEK ROAD, MOJAVE, CA 93501
County : N/R

Site Details
Registry ID : 110063527964
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2021-12-17

Source Description
Source Description : CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.

FRS Environmental Interest

Source and System ID :	CEDRI - CEDRI77282 SFDW - CA1502034 5275
Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Registry ID :	110017431233
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-07

Source Description

Source Description :	AIR contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies. AFS contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
Source Description :	The California Environmental Reporting System (CERS) is a statewide web-based user and information exchange system to support over 140,000 regulated businesses and over 130 local agencies in electronically collecting and reporting significant hazardous materials, hazardous waste and compliance and enforcement data as mandated by California law. Under oversight by Cal/EPA, certified local governing agencies (Unified Program Agencies - UPAs) consolidate, coordinate and provide consistent regulatory activities for six state and federal environmental programs.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).
CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.
The Emission Inventory System (EIS) maintains an inventory of large stationary sources and voluntarily-reported smaller sources of air point pollution emitters. It contains information about facility sites and their physical location, emission units, emission processes, release points, control approaches, and regulations. Facility inventory data are kept separate from the emissions data and have stable identifiers to improve continuity from year to year and to help identify duplicate or missing facilities.
HWTS-DATAMART provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The NPDES module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Source Description :

RCRAInfo is EPA's comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name :	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT 9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT) MOJAVE | Mojave | mojave, CA
Database(s) :	[AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.
TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

Source Description :

(E-GGRT, accessible through an EPA web page, is used to submit annual reports in support of the EPA rule for mandatory reporting of greenhouse gases (GHG) by large GHG emissions sources. Implementation of 40 CFR part 98 is referred to as the greenhouse gas reporting program (GHGRP). This comprehensive, nationwide emissions data will provide a better understanding of the sources of GHGs and will guide development of the policies and programs to reduce emissions. The publically available data will allow reporters to track their own emissions, compare them to similar facilities, and aid in identifying cost effective opportunities to reduce emissions in the future.

Source Description :

The 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.

Source Description :

The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

FRS Environmental Interest

Source and System ID :	AIRS/AFS - 0602900009 CA-CERS - 10154991 CA-ENVIROVIEW - 102355 CA-ENVIROVIEW - 102360 CEDRI - CEDRI77282 E-GGRT - 1006842 EIS - 4789311 HWTS-DATAMART - CAD008256315 ICIS - CAKCA0000602900009 ICIS - CAZ203975 RBLC - 143 RCRAINFO - CAD008256315 SFDW - CA1502034 TRIS - 93502CLFRN9350O TSCA - 100605022 TSCA - TSCA4998
Facility Name :	CALPORTLAND COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
County :	KERN COUNTY

Site Details

Registry ID :	110063527964
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Source Description

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description : (E-GGRT, accessible through an EPA web page, is used to submit annual reports in support of the EPA rule for mandatory reporting of greenhouse gases (GHG) by large GHG emissions sources. Implementation of 40 CFR part 98 is referred to as the greenhouse gas reporting program (GHGRP). This comprehensive, nationwide emissions data will provide a better understanding of the sources of GHGs and will guide development of the policies and programs to reduce emissions. The publically available data will allow reporters to track their own emissions, compare them to similar facilities, and aid in identifying cost effective opportunities to reduce emissions in the future.
The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.

Source Description :

CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.

FRS Environmental Interest
Source and System ID : CEDRI - CEDRI77282
E-GGRT - 1006842
SFDW - CA1502034 5275

Facility Name : MOJAVE PLANT-CALIF PORTLAND
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN

Site Details
Registry ID : 110065626763
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2022-05-11

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description
Source Description : The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).
CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.
TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

FRS Environmental Interest
Source and System ID : API - 9350WMJVPL935AK
API - CEDRI10058239
CA-ENVIROVIEW - 135958

Facility Name : SOUTHERN CALIFORNIA EDISON CAL CEMENT SUBSTATION
Facility Address : 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL, MOJAVE, CA 93501
County : KERN

Site Details
Registry ID : 110066373560
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2022-05-11

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description

Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

FRS Environmental Interest

Source and System ID :	CA-ENVIROVIEW - 155132

HAZNET - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT CO
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAC001148248
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	PO BOX 910, MOJAVE, CA 935020000
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

Waste Generator Details

State Waste :	1997: 223 - Unspecified oil-containing waste, 7.506 tons to CAT080013352 1995: 223 - Unspecified oil-containing waste, 7.506 tons to CAT080013352
Facility Name :	CALIFORNIA POTLAND CEMENT CO/MOJAVE CA/PRAXAIR INC
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000314073
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	9350 OAK CREEK RD, MOJAVE, CA 935017738
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :	2014: 221 - Waste oil and mixed oil, 0.209 tons to NVD980895338
Facility Name :	DAN COPP CRUSHING
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

Site Details

Generator EPA ID :	CAC002657313
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08
Facility Name :	MOJAVE READY MIX PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000354282
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	2025 E FINANCIAL WAY, GLENDORA, CA 917410000
Latitude :	35.03830560
Longitude :	-118.29777749
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

State Waste : 2011: 134 - Aqueous solution with total organic residues less than 10 percent, 0.21 tons to CAD982444481

Facility Name : SOUTHERN CALIFORNIA EDISON - CAL CEMENT SUBSTATION
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN

Site Details

Generator EPA ID : CAC002764404
Active : Inactive
Category : STATE
Facility Types : N/R
Type : TEMPORARY
Contact Name : N/R
Contact Phone : N/R
Facility Mailing Address : PO BOX 800, ROSEMEAD, CA 917700000
Latitude : 35.03830573
Longitude : -118.29777733
Agency Hyperlink : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2021-07-08

Waste Generator Details

State Waste : 2014: 261 - Polychlorinated biphenyls and material containing PCBs, 13.82772 tons to CAD050806850

Facility Name : VISTA METALS INC
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

Site Details

Generator EPA ID :	CAC001110160
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	13425 WHITTIAM AVE, FONTANA, CA 923350000
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :	1996: 151 - Asbestos containing waste, 33.712 tons to CAD067786749

HIST AST - CA

Facility Name :	CalPortland Company
Facility Address :	9350 OAK CREEK RD, Mojave, CA 93501
County :	Kern

Site Details

CERS ID :	10154991
Facility ID :	N/R
EPA ID :	CAD008256315
Business Name :	CalPortland Company
Phone :	(661) 823-3731
Fax :	(661) 824-1033
Mailing Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
Owner Name :	CALPORTLAND COMPANY
Owner Phone :	(626) 852-6200
Owner Mailing Address :	2025 E FINANCIAL WAY, GLENDORA, CA 91741
Property Owner Name :	N/R
Property Owner Phone :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST AST - CA ***(cont.)***

Property Owner Mailing Address :	N/R
Operator Name :	CalPortland Company Mojave Plant
Operator Phone :	(661) 823-3710
CUPA :	N/R
Total Gallons :	N/R
Facility Latitude Measure :	35.03103
Facility Longitude Measure :	-118.31927
Last Date in Agency List :	2018-01-31

HIST CHMIRS - CA

Facility Address :	9350 oak creek rd between oil boiler an kiln, mojave, 93501
County :	KERN
Notified Date :	1995-03-13 14:03:03
Control Number :	007299
Substance 1 :	bunker c fuel oil
Quantity 1 :	unknown
Measure 1 :	N/R
Type 1 :	PETROLEUM
Pipeline 1 :	N/R
Vessel 1 (300 Tons) :	N/R
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	N/R
Vessel 2 (300 Tons) :	N/R
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R
Type 3 :	N/R
Pipeline 3 :	N/R
Vessel 3 (300 Tons) :	N/R
Description :	employee saw oil on surface of ground unknown cause under investigation -suspect underground oil line from boiler to kiln , spill contained on property

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

HIST CHMIRS - CA ***(cont.)***

Contained :	NO
Water? :	YES
Water Way :	N/R
Incident Date :	1400/12mar95
Time :	N/R
Spill Site :	OTHER
Site :	N/R
Cause :	N/R
Other Causes :	N/R
Injuries (Y/N) :	NO
Injuries Number :	N/R
Fatal (Y/N) :	NO
Fatal Number :	N/R
Evacs (Y/N) :	NO
Evacs Number :	N/R
Cleanup :	california portland
Admin Agency :	N/R
Facility Address :	9350 Oak Creek Rd., Mojave, 93501
County :	Kern County
Notified Date :	2003-11-12 09:51:27
Control Number :	03-5864
Substance 1 :	Fuel Oil
Quantity 1 :	100
Measure 1 :	N/R
Type 1 :	N/R
Pipeline 1 :	N/R
Vessel 1 (300 Tons) :	N/R
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	N/R
Vessel 2 (300 Tons) :	N/R
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R

Map Id: A1
Direction:
Distance:
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Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

HIST CHMIRS - CA ***(cont.)***

Type 3 :	N/R
Pipeline 3 :	N/R
Vessel 3 (300 Tons) :	N/R
Description :	Unknown cause for leak in pipeline. The area has been bermed off.
Contained :	Yes
Water? :	N/R
Water Way :	N/R
Incident Date :	2003-11-08
Time :	N/R
Spill Site :	Industrial Plant
Site :	N/R
Cause :	N/R
Other Causes :	N/R
Injuries (Y/N) :	N/R
Injuries Number :	0
Fatal (Y/N) :	N/R
Fatal Number :	0
Evacs (Y/N) :	N/R
Evacs Number :	0
Cleanup :	Contractor
Admin Agency :	Kern Co. Environmental Health Services Dept
Facility Address :	9350 Oak Creek Road, Mojave, 93501
County :	Kern County
Notified Date :	2011-10-11 09:02:00
Control Number :	11-6051
Substance 1 :	Diesel
Quantity 1 :	200
Measure 1 :	Gal(s)
Type 1 :	PETROLEUM
Pipeline 1 :	No
Vessel 1 (300 Tons) :	No
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	No

Map Id: A1
Direction:
Distance:
Elevation:
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Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST CHMIRS - CA ***(cont.)***

Vessel 2 (300 Tons) :	No
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R
Type 3 :	N/R
Pipeline 3 :	No
Vessel 3 (300 Tons) :	No
Description :	RP states that while they were refueling the portable re-fueler the auto shut off did not function causing the release of diesel to the concrete an the soil. The release has been contained and no waterways were impacted.
Contained :	Yes
Water? :	No
Water Way :	N/R
Incident Date :	2011-10-11
Time :	835
Spill Site :	Industrial Plant
Site :	N/R
Cause :	Mechanical
Other Causes :	N/R
Injuries (Y/N) :	No
Injuries Number :	N/R
Fatal (Y/N) :	No
Fatal Number :	N/R
Evacs (Y/N) :	No
Evacs Number :	N/R
Cleanup :	Reporting Party
Admin Agency :	Kern Co. Environmental Health Services Department

HIST LDS - CA

Facility Name :	MOJAVE PLANT-CALIF PORTLAND
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Facility ID :	N/R
Facility Type :	LAND DISPOSAL SITE

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
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Envirosite ID: 223307
EPA ID: N/R

HIST LDS - CA ***(cont.)***

Status :	OPEN
Global ID :	L10009509578
Site Code :	N/R
Last Date in Agency List :	2014-07-10

HWG - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT CO
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC001148248
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	PO BOX 910, MOJAVE, CA 935020000
Owner Name :	CALIFORNIA PORTLAND CEMENT CO
Owner Address :	PO BOX 910, MOJAVE, CA 935020000
Operator Name :	GEORGE VERDUGO
Operator Address :	VERDUGO CONSTRUCTION, LINDSAY, CA 932470000
Latitude :	35.039694
Longitude :	-118.247567
Facility Name :	CALIFORNIA POTLAND CEMENT CO/MOJAVE CA/PRAXAIR INC
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAL000314073
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	9350 OAK CREEK RD, MOJAVE, CA 935017738
Owner Name :	PRAXAIR INC
Owner Address :	39 OLD RIDGEBURY RD, DANBURY, CT 06810
Operator Name :	JOHN CLANTON

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HWG - CA ***(cont.)***

Operator Address :	2108 KNOLLWOOD CT, ROSAMOND, CA 93560
Latitude :	35.039189
Longitude :	-118.30166
Facility Name :	DAN COPP CRUSHING
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC002657313
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Owner Name :	DON COPP CRUSHING
Owner Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Operator Name :	TREVOR COPP
Operator Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Latitude :	35.03929
Longitude :	-118.30176
Facility Name :	MOJAVE READY MIX PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAL000354282
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	2025 E FINANCIAL WAY, GLENDORA, CA 917410000
Owner Name :	CALPORTLAND COMPANY
Owner Address :	2025 E FIANCIAL WAY, GLENDORA, CA 917410000
Operator Name :	JULIA LAKES
Operator Address :	2025 E. FINANCIAL WAY, GLENDORA, CA 91741
Latitude :	35.039284

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

HWG - CA ***(cont.)***

Longitude :	-118.301622
Facility Name :	SOUTHERN CALIFORNIA EDISON - CAL CEMENT SUBSTATION
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC002764404
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	PO BOX 800, ROSEMEAD, CA 917700000
Owner Name :	SOUTHERN CALIFORNIA EDISON
Owner Address :	PO BOX 800, ROSEMEAD, CA 917700000
Operator Name :	SARA M. DUVALL
Operator Address :	P.O. BOX 800, ROSEMEAD, CA 91770
Latitude :	35.038306
Longitude :	-118.297777
Facility Name :	VISTA METALS INC
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC001110160
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	13425 WHITTIAM AVE, FONTANA, CA 923350000
Owner Name :	VISTA METALS INC
Owner Address :	N/A
Operator Name :	ROBERT PRAESKE VP
Operator Address :	N/A
Latitude :	35.039694
Longitude :	-118.247567

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
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Envirosite ID: 223307
EPA ID: N/R

ICIS

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501

Site Details

NPDES ID :	CAZ203975
ICIS Facility Interest ID :	3600725277
Facility UIN :	110017431233
Facility Type Code :	Privately Owned Facility
Impaired Waters :	N/R
Latitude :	35.03932
Longitude :	-118.30175
Last Date in Agency List :	2022-05-02

Facility SIC

SIC Code :	3241
SIC Description :	Cement, Hydraulic

INACTIVE PCS

Issue Date :	2015-07-01
Original Issue Date :	2015-07-01
Effective Date :	2015-07-01
Expiration Date :	2020-06-30
Retirement Date :	N/R
Termination Date :	N/R
Issuing Agency :	CA Waterboards
Agency Type :	State
Activity ID :	3601104638
External Permit Number :	CAZ203975
Facility Type Indicator :	NON-POTW
Permit Type :	General Permit Covered Facility-NPDES)
Major Minor Status :	N
Permit Status :	Expired
Total Design Flow Number :	N/R
Actual Average Flow Number :	N/R
State Water Body :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
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Envirosite ID: 223307
EPA ID: N/R

INACTIVE PCS ***(cont.)***

State Water Body Name :	N/R
Permit Name :	CalPortland Co
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	CAS000001
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2022-01-14

LDS - CA

Facility Name :	CALPORTLAND - MOJAVE CEMENT PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	Kern

Site Details

Status Date :	1965-01-01
Status :	Open
Begin Date :	N/R
Global ID :	L10009509578
Site History :	N/R
RB Case Number :	6B152003001
Potential Media Affected :	N/R
Potential Contaminants of Concern :	N/R
Local Agency :	N/R
Local Case Number :	N/R
Lead Agency :	LAHONTAN RWQCB (REGION 6V)
File Location :	N/R
CUF Case :	NO
Caseworker :	TEB
Case Type :	Land Disposal Site
How Discovered :	N/R
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Antelope - Willow Springs (626.30)
DWR Groundwater Subbasin Name :	Fremont Valley (6-046)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

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MOJAVE | Mojave | mojave, CA

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Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Disadvantaged Community :	N/R
Latitude :	35.039291
Longitude :	-118.301648
Agency URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-04

Contacts Summary

Global ID :	L10009509578
Contact Name :	THOMAS EDWARD BROWNE
Contact Type :	Regional Board Caseworker
Organization Name :	LAHONTAN RWQCB (REGION 6V)
Address :	15095 Armagosa Road, Building 2, Suite 210
City :	VICTORVILLE
Phone Number :	7602417391
Email :	thomas.browne@waterboards.ca.gov

Regulatory Activities

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Date :	2022-02-22
Global ID :	L10009509578
Action Type :	ENFORCEMENT
Action :	Staff Letter

Date :	2022-02-16
Global ID :	L10009509578
Action Type :	ENFORCEMENT
Action :	Email Correspondence

Date :	2022-02-14
Global ID :	L10009509578

Map Id: A1
Direction:
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Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Action Type : RESPONSE
Action : Email Correspondence - Regulator Responded

Date : 2022-02-03
Global ID : L10009509578
Action Type : RESPONSE
Action : Financial Assurance - Regulator Responded

Date : 2022-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Date : 2022-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2021-07-13
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2021-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2021-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Date : 2020-07-10
Global ID : L10009509578
Action Type : RESPONSE
Action : Other Report / Document

Date : 2020-01-13
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Date : 2020-01-13
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2019-09-03
Global ID : L10009509578
Action Type : ENFORCEMENT
Action : Email Correspondence

Date : 2019-07-09
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2019-01-11
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Date : 2019-01-11
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Date : 2019-01-09
Global ID : L10009509578
Action Type : ENFORCEMENT
Action : Site Visit / Inspection / Sampling

Date : 2018-07-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Other Report / Document

Date : 2018-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Date : 2018-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Status History
Status Date : N/R
Global ID : L10009509578
Status : N/R

Facility Name : MOJAVE PLANT-CALIF PORTLAND
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN COUNTY

Site Details
Status Date : N/R
Status : OPEN AS OF 1/1/1965

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Begin Date :	N/R
Global ID :	L10009509578
Site History :	N/R
RB Case Number :	6B152003001
Potential Media Affected :	NONE SPECIFIED
Potential Contaminants of Concern :	NONE SPECIFIED
Local Agency :	N/R
Local Case Number :	N/R
Lead Agency :	LAHONTAN RWQCB (REGION 6V) (LEAD)
File Location :	N/R
CUF Case :	N/R
Caseworker :	JEFFREY SCOTT FITZSIMMONS
Case Type :	LAND DISPOSAL SITE
How Discovered :	N/R
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Antelope - Willow Springs (626.30)
DWR Groundwater Subbasin Name :	Fremont Valley (6-46)
Disadvantaged Community :	N/R
Latitude :	N/R
Longitude :	N/R
Agency URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-06-20

Contacts Summary

Global ID :	L10009509578
Contact Name :	N/R
Contact Type :	N/R
Organization Name :	N/R
Address :	N/R
City :	N/R
Phone Number :	N/R
Email :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Regulatory Activities

Date :	N/R
Global ID :	L10009509578
Action Type :	N/R
Action :	N/R

Status History

Status Date :	N/R
Global ID :	L10009509578
Status :	N/R

MANIFEST EPA

Manifest Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Manifest Number :	008099602SKS
Shipped Date :	2021-09-23
Updated Date :	2021-10-26
Received Date :	2021-10-04
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	CAD044429835
Destination Name :	Clean Harbors Wilmington LLC
Destination Mailing :	1737 East Denni Street, Wilmington, CA 90744
Destination Address :	1737 East Denni Street, Wilmington, CA 90744
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Last Date in Agency List : 2022-03-20

Waste Details

Waste Line Number : 1
Is DOT Hazardous : Y
DOT ID Number : UN2800
DOT Information : UN2800, UN2800, WASTE BATTERIES, WET, NON-SPILLABLE, 8, 8, NONE
Non Waste Description : N/R
Quantity : 150 Pounds
Quantity Tons, Acute, Non-Acute : 0.075, 0, 0.075
Quantity Kg, Acute, Non-Acute : 0, 68.02725
Management Method : H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste : N
Federal Code : N/R
State Code : CA - 792

Waste Line Number : 4
Is DOT Hazardous : N
DOT ID Number : N/R
DOT Information : N/R
Non Waste Description : NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (NON PCB BALLAST), N/A, NONE
Quantity : 100 Pounds
Quantity Tons, Acute, Non-Acute : 0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute : 0, 45.3515
Management Method : H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste : N
Federal Code : N/R
State Code : CA - 181

Waste Line Number : 5
Is DOT Hazardous : N
DOT ID Number : N/R
DOT Information : N/R
Non Waste Description : NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (NON PCB CAPACITOR), N/A, NONE

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Quantity :	250 Pounds
Quantity Tons, Acute, Non-Acute :	0.125, 0, 0.125
Quantity Kg, Acute, Non-Acute :	0, 113.37875
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 181

Manifest Details

Manifest Number :	008099603SKS
Shipped Date :	2021-09-23
Updated Date :	2021-11-12
Received Date :	2021-10-13
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	UTD991301748
Destination Name :	Clean Harbors Grassy Mountain LLC
Destination Mailing :	PO Box 22750, Salt Lake City, UT 84122
Destination Address :	3 Miles East 7 Miles North of Knolls Exit 41 off I-80, Grantsville, UT 84029
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLID) USED OIL FILTERS CONTAINING USED OI (DRAINED AND UNDRAINED OIL FILTERS), N/A, NONE
Quantity :	300 Pounds
Quantity Tons, Acute, Non-Acute :	0.15, 0, 0.15
Quantity Kg, Acute, Non-Acute :	0, 136.0545
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 223
Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (OIL, DIRT , SAND, ABSORBENTS AND DIESEL FUEL), N/A, NONE
Quantity :	3750 Pounds
Quantity Tons, Acute, Non-Acute :	1.875, 0, 1.875
Quantity Kg, Acute, Non-Acute :	0, 1700.6813
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Manifest Details

Manifest Number :	008099604SKS
Shipped Date :	2021-09-23
Updated Date :	2021-10-19
Received Date :	2021-09-29
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	CAD059494310
Destination Name :	Clean Harbors San Jose LLC
Destination Mailing :	1021 Berryessa Road, San Jose, CA 95133
Destination Address :	1021 Berryessa Road, San Jose, CA 95133
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	Y
DOT ID Number :	NA1993
DOT Information :	RQ, NA1993, WASTE RQ, NA1993, WASTE COMBUSTIBLE LIQUID, N. O.S., (PETROLEUM HYDROCARBONS, XYLENE), COMBUSTIBLE LIQUID, PG III (F001, F003), COMBUSTIBLE LIQUID, PG III (F001, F003)
Non Waste Description :	N/R
Quantity :	4800 Pounds
Quantity Tons, Acute, Non-Acute :	2.4, 0, 2.4
Quantity Kg, Acute, Non-Acute :	0, 2176.872
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	Y
Federal Code :	D008, D040, F001, F002, F003
State Code :	CA - 343

Manifest Details

Manifest Number :	008099630SKS
Shipped Date :	2021-09-23
Updated Date :	2021-11-01
Received Date :	2021-10-12

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	AZR000003681
Destination Name :	Thermo Fluids, Inc.
Destination Mailing :	4301 West Jefferson Street, Phoenix, AZ 85043
Destination Address :	4301 West Jefferson Street, Phoenix, AZ 85043
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLID (DRAINED/UNDRAINED USED OIL FILTERS), N/A, NONE
Quantity :	300 Pounds
Quantity Tons, Acute, Non-Acute :	0.15, 0, 0.15
Quantity Kg, Acute, Non-Acute :	0, 136.0545
Management Method :	H039 - OTHER RECOVERY OR RECLAMATION FOR REUSE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 223

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Manifest Details

Manifest Number :	008025759SKS
Shipped Date :	2021-08-12
Updated Date :	2021-09-14
Received Date :	2021-08-23
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	CAD059494310
Destination Name :	Clean Harbors San Jose LLC
Destination Mailing :	1021 Berryessa Road, San Jose, CA 95133
Destination Address :	1021 Berryessa Road, San Jose, CA 95133
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	Y
DOT ID Number :	NA1993
DOT Information :	RQ, NA1993, WASTE RQ, NA1993, WASTE COMBUSTIBLE LIQUID, N. O.S., (PETROLEUM HYDROCARBONS, XYLENE), COMBUSTIBLE LIQUID, PG III (F001, F003), COMBUSTIBLE LIQUID, PG III (F001, F003)
Non Waste Description :	N/R
Quantity :	5600 Pounds
Quantity Tons, Acute, Non-Acute :	2.8, 0, 2.8
Quantity Kg, Acute, Non-Acute :	0, 2539.684
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	Y
Federal Code :	D008, D040, F001, F002, F003

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

State Code : CA - 343

NPDES - CA

Facility Name : CalPortland Company
Facility Address : 9350 Oak Creek Rd, Mojave, 93501
County : Kern

Effective Date : 1992-04-22
Adoption Date : N/R
Expiration Date : N/R
Termination Date : N/R
Order Number : 97-03-DWQ
NPDES Number : CAS000001
WDID : 6B15I006255
RM Status : Active
Reg Meas ID : 203975
Reg Meas Type : Enrollee
Program : Industrial
Facility Place ID : N/R
Region Code : 6B
Discharger ID : 0
Discharger : CalPortland Co
Discharger Address : 2025 E Financial Way, Glendora, California 91741
Last Date in Agency List : 2022-05-17

Facility Name : CA Portland Cement
Facility Address : 9350 Oak Creek Rd, Mojave, 93501
County : Kern

Effective Date : 1992-04-22
Adoption Date : N/R
Expiration Date : N/R
Termination Date : N/R
Order Number : 97-03-DWQ
NPDES Number : CAS000001
WDID : 6B15I006255

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

NPDES - CA ***(cont.)***

RM Status :	Active
Reg Meas ID :	203975
Reg Meas Type :	Enrollee
Program :	Industrial
Facility Place ID :	N/R
Region Code :	6B
Discharger ID :	0
Discharger :	CalPortland Co
Discharger Address :	2025 E Financial Wy, Glendora, California 91741
Last Date in Agency List :	2015-01-07
Facility Name :	Mojave Ready Mix Plant
Facility Address :	9350 Oak Creek Rd, Mojave, 93501
County :	Kern
Effective Date :	2010-05-13
Adoption Date :	N/R
Expiration Date :	N/R
Termination Date :	2013-12-11
Order Number :	97-03-DWQ
NPDES Number :	CAS000001
WDID :	6B15I022635
RM Status :	Terminated
Reg Meas ID :	403290
Reg Meas Type :	Enrollee
Program :	Industrial
Facility Place ID :	N/R
Region Code :	6B
Discharger ID :	0
Discharger :	CalPortland Co
Discharger Address :	2025 E Financial Wy, Glendora, California 91741
Last Date in Agency List :	2016-10-20

PCS FACILITY

Issue Date :	2015-07-01
Original Issue Date :	2015-07-01
Effective Date :	2015-07-01

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PCS FACILITY ***(cont.)***

Expiration Date :	2020-06-30
Retirement Date :	N/R
Termination Date :	N/R
Issuing Agency :	CA Waterboards
Agency Type :	State
Activity ID :	3601104638
External Permit Number :	CAZ203975
Facility Type Indicator :	NON-POTW
Permit Type :	General Permit Covered Facility-NPDES)
Major Minor Status :	N
Permit Status :	Effective
Total Design Flow Number :	N/R
Actual Average Flow Number :	N/R
State Water Body :	N/R
State Water Body Name :	N/R
Permit Name :	CalPortland Co
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	CAS000001
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2020-02-11

PWS

Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
PWS ID :	CA1502034
PWS Type :	Non-Transient non-community system
PWS Name :	CALIFORNIA PORTLAND CEMENT
Activity Status :	Active
Primary Source :	Ground water
Submission Year :	2022
Submission Year Quarter :	2022Q1
Population Served Count :	200
Service Connections Count :	14
Population Category 2 :	<10,000
Population Category 3 :	<=3300

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ***(cont.)***

Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	101-500
Submission Quarter :	1
Submission Status Code :	Y
First Reported Date :	1979-03-22
Last Reported Date :	2022-03-31
Deactivation Date :	N/R
GW or SW :	Groundwater
Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	California
Primacy Type :	State
Org Name :	MALES, BRIAN
EPA Region :	Region 9
Admin Name :	MALES, BRIAN
Owner Type :	Private
Phone Number :	661-823-3731
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	bmales@calportland.com
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	Y
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2022-05-10

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF

Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501

Site Details

PWS ID :	CA1502034
PWS Name :	CALIFORNIA PORTLAND CEMENT
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	661-823-3731
Last Date in Agency List :	2022-03-28

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	N/R
Violation ID :	8461513
Submission Year :	2021
Violation First Reported Date :	1984-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	N/R
Violation ID :	8314563
Submission Year :	2021
Violation First Reported Date :	1983-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019006
Violation ID :	819003
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Surface Water Treatment Rule
Rule Family :	Surface Water Treatment Rules
Rule Group :	Microbials
Rule Name :	Surface Water Treatment Rule
Violation Type :	Failure to Filter (SWTR)
Is Health Based :	Y

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2009-12-30
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019011
Violation ID :	1019012
Submission Year :	2021
Violation First Reported Date :	2018-02-12
Contaminant Name :	Revised Total Coliform Rule
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Revised Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, E. coli (RTCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	1
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-12-11
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019012
Violation ID :	519001
Submission Year :	2021
Violation First Reported Date :	2006-09-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2005-08-31
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019013
Violation ID :	819002
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-09-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019014
Violation ID :	819004

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-10-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019015
Violation ID :	919005
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-11-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	1019016
Violation ID :	919006
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-12-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019017
Violation ID :	919007
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2009-01-31
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RFR - CA

Facility Name :	CalPortland Company
Facility Address :	9350 Oak Creek Rd, Mojave, CA 93501
County :	Kern
Effective Date :	1992-04-22
Adoption Date :	N/R
Termination Date :	N/R
Expiration/Review Date :	N/R
NPDES Number :	CAS000001
Order Number :	2014-0057-DWQ
WDID :	6B15I006255
SIC/NAICS :	3241
Program :	INDSTW
Regulatory Measure Status :	Active
Regulatory Measure Type :	Storm water industrial
Place/Project Type :	Industrial - Cement, Hydraulic
Region :	6V
Design Flow :	N/R
Major/Minor :	N/R
Complexity :	N/R
TTWQ :	N/R
Number of Enforcement Actions within Five Years:	N/R
Number of Violations within Five Years:	N/R
Agency :	CalPortland Co
Agency Address :	2025 E Financial Way, Glendora, CA 91741
Latitude :	35.03932
Longitude :	-118.30175
Last Date in Agency List :	2022-03-07
Facility Name :	Mojave Plant-Calif Portland
Facility Address :	9350 Oak Creek Road, Mojave, CA 93501
County :	Kern

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

RFR - CA ***(cont.)***

Effective Date :	2001-10-10
Adoption Date :	2001-10-10
Termination Date :	N/R
Expiration/Review Date :	2030-10-10
NPDES Number :	N/R
Order Number :	01-054
WDID :	6B152003001
SIC/NAICS :	3271
Program :	LNDISP, LNDISPOTH
Regulatory Measure Status :	Active
Regulatory Measure Type :	WDR
Place/Project Type :	Concrete Manufacturing
Region :	6V
Design Flow :	.11
Major/Minor :	N/R
Complexity :	B
TTWQ :	1
Number of Enforcement Actions within Five Years:	N/R
Number of Violations within Five Years:	4
Agency :	California Portland Cement
Agency Address :	2025 East Financial Way, Glendora, CA 91741
Latitude :	35.039693
Longitude :	-118.247573
Last Date in Agency List :	2022-03-07
Facility Name :	Mojave Ready Mix Plant
Facility Address :	9350 Oak Creek Rd, Mojave, CA 93501
County :	Kern
Effective Date :	2010-05-13
Adoption Date :	N/R
Termination Date :	N/R
Expiration/Review Date :	N/R
NPDES Number :	CAS000001
Order Number :	97-03DW
WDID :	6B15I022635
SIC/NAICS :	3273

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

RFR - CA ***(cont.)***

Program :	INDSTW
Regulatory Measure Status :	Active
Regulatory Measure Type :	Storm water industrial
Place/Project Type :	Industrial - Ready-Mixed Concrete
Region :	6V
Design Flow :	N/R
Major/Minor :	N/R
Complexity :	N/R
TTWQ :	N/R
Number of Enforcement Actions within Five Years:	N/R
Number of Violations within Five Years:	N/R
Agency :	CalPortland Co
Agency Address :	2025 E Financial Wy, Glendora, CA 91741
Latitude :	35.03932
Longitude :	-118.30175
Last Date in Agency List :	2014-03-13

SEMS_8R_ARCHIVED SITES

Facility Name :	CALIFORNIA PORTLAND CEMENT, CO.
Facility Address :	9350 OAK CREEK RD., MOJAVE, CA 93501
County :	KERN

Site Details

Site ID :	0904614
EPA ID :	CAD008256315
Region :	09
Congressional District :	20
Federal Facility :	N
Federal Facility Docket :	N
NPL Status :	Not on the NPL
Non NPL Status :	NFRAP-Site does not qualify for the NPL based on existing information
FIPS Code :	06029
Superfund Alternative Agreement :	N
Last Date in Agency List :	2022-02-21

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

SEMS_8R_ARCHIVED SITES ***(cont.)***

Additional Information

Start Date :	1994-03-24
Finish Date :	1995-05-04
OU :	00
Action Code :	SI
Action Name :	SI
Sequence :	1
Quality :	N
Current Action Lead :	EPA Perf

Start Date :	1992-10-16
Finish Date :	1992-10-16
OU :	00
Action Code :	DS
Action Name :	DISCVRY
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf

Start Date :	N/R
Finish Date :	1996-01-23
OU :	00
Action Code :	VS
Action Name :	ARCH SITE
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf In-Hse

Start Date :	N/R
Finish Date :	1994-03-16
OU :	00
Action Code :	PA
Action Name :	PA
Sequence :	1
Quality :	L
Current Action Lead :	EPA Perf

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

STORMWATER

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
NPDES ID :	CAZ203975
Permittee Name :	CalPortland Co
Permit Status :	Expired
Permit Issuing Name :	State
Issued Date :	2015-07-01
Effective Date :	2015-07-01
Termination Date :	N/R
Expiration Date :	2020-06-30
EPA Region :	09
SIC Code :	3241
NAICS Code :	N/R
EJ Indexes Above 80th Percentile :	0
Significant Noncompliance Status :	N/R
Quarters with Noncompliance :	0
Industrial Stormwater Formal Enforcement Actions:	N/R
Facility Map Flag :	Y
DRF URL :	Click here for hyperlink provided by the agency.
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2022-03-21

TOSCA-PLANT

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501-7738
Toxic Substances Control Act Report Link:	Click here for hyperlink provided by the agency.
Facility Report Link :	Click here for hyperlink provided by the agency.
Compliance Report Link :	Click here for hyperlink provided by the agency.
Number of Toxic Substances Control Act Chemicals:	4
Latitude :	35.029298
Longitude :	-118.316236

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TOSCA-PLANT ***(cont.)***

Last Date in Agency List :	2022-03-22

TRIS

Facility Name :	CALPORTLAND CO MOJAVE PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Facility Details

TRIF ID :	93502CLFRN9350O
Federal Facility Flag :	NO
Primary NAICS :	327310 - Cement Manufacturing
NAICS 2 :	N/R
NAICS 3 :	N/R
NAICS 4 :	N/R
NAICS 5 :	N/R
NAICS 6 :	N/R
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Contact Information

Public Contact Name :	BRIAN MALES
Public Contact Email :	BMALES@CALPORTLAND.COM
Public Contact Phone :	6618233731
Public Contact Phone Ext :	N/R
Parent Company Name :	TAIHEIYO CEMENT USA INC
Parent Company DB NR :	175418052

Reported Chemical Information

Reporting Year :	2020
Document Control Number :	1320218675522
CAS Number :	N420
Chemical Name :	Lead compounds
Unit of Measure :	Pounds

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Maximum Amount Onsite : 01

Reporting Year : 2020
Document Control Number : 1320218675546
CAS Number : N458
Chemical Name : Mercury compounds
Unit of Measure : Pounds
Maximum Amount Onsite : 01

Reporting Year : 2020
Document Control Number : 1320218675508
CAS Number : N150
Chemical Name : Dioxin and dioxin-like compounds
Unit of Measure : Grams
Maximum Amount Onsite : 12

Reporting Year : 2020
Document Control Number : 1320218675472
CAS Number : 7664-41-7
Chemical Name : Ammonia
Unit of Measure : Pounds
Maximum Amount Onsite : 04

Reporting Year : 2020
Document Control Number : 1320218675496
CAS Number : N090
Chemical Name : Chromium compounds (except for chromite ore mined in the Transvaal Region)
Unit of Measure : Pounds
Maximum Amount Onsite : 02

Onsite Release Summary
Total Fugitive Air Emissions : 0
Total Stack Air Emissions : 383

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

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Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Total Air Emissions :	383
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	64
Total Air Emissions :	64
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	.7123
Total Air Emissions :	.7123
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	4190
Total Air Emissions :	4190
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	1
Total Air Emissions :	1
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Offsite Release Summary

Total Transferred Off-Site to Disposal:	0
Total Transferred Off-Site for Further Waste Management:	0
Total RCRA C Surface Impoundments :	0
Total Other Surface Impoundments :	0

UST_KERN COUNTY - CA

Facility Name :	CalPortland Company
Facility Address :	9350 OAK CREEK RD, Mojave, CA 93501

Site Details

Facility ID :	FA0003180
CERS ID :	10154991
Mailing Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
Mailing Address (Care of) :	CalPortland Company Mojave Plant
Last Date in Agency List :	2022-04-15

Tank Details

Tank Number :	600017
Install Date :	1987-01-01
Date of Closure :	2004-06-10
Billing Status :	Inactive, non-billable
Number of Compartments :	N/R
Capacity :	5000

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

UST_KERN COUNTY - CA ***(cont.)***

Product Type :	REGULAR UNLEADED
Program/Element :	UNDERGROUND STORAGE TANK
Tank Number :	600017
Install Date :	1987-01-01
Date of Closure :	2004-06-10
Billing Status :	Inactive, non-billable
Number of Compartments :	N/R
Capacity :	15000
Product Type :	DIESEL
Program/Element :	UNDERGROUND STORAGE TANK

Map Id: A2
Direction:
Distance:
Elevation:
Relative:

Site Name : Mojave Plant
35.033, -118.326
CA

Database(s) : [MINE OPERATIONS]

Envirosite ID: 10118589
EPA ID: N/R

MINE OPERATIONS

Facility Name :	Mojave Plant
County :	Kern
Site ID :	194
Commodity :	Cement
Company Name :	California Portland Cement Co
Type :	Plant
Latitude :	35.033
Longitude :	-118.326

Map Id: A3
Direction:
Distance:
Elevation:
Relative:

Site Name : Mojave Quarry
35.0331, -118.3261
CA

Database(s) : [MINE OPERATIONS]

Envirosite ID: 10118590
EPA ID: N/R

MINE OPERATIONS

Facility Name :	Mojave Quarry
County :	Kern
Site ID :	754
Commodity :	Crushed Stone
Company Name :	California Portland Cement Co.
Type :	Mine and Plant
Latitude :	35.0331
Longitude :	-118.3261

Map Id: A4
Direction:
Distance:
Elevation:
Relative:

Site Name : INGLEWOOD OIL FIELD RECEIVER, 0876
35.00564/-118.3705
Not Within a Municipality, CA 90008

Database(s) : [DOT OPS]

Envirosite ID: 42227858
EPA ID: N/R

DOT OPS

Facility Name :	INGLEWOOD OIL FIELD RECEIVER, 0876
Facility Address :	35.00564/-118.3705, Not Within a Municipality, CA 90008
County :	LOS ANGELES COUNTY
Status Date :	2021-05-07
Incident Date :	2021-04-06
Notification Received :	N/R
Report Date :	N/R
Report ID :	20210140
Report Received at DOT :	N/R
Operator ID :	31075
Operator Name :	E&B NATURAL RESOURCES MANAGEMENT CORP
Meets Significant Criteria :	NO
Meets Serious Criteria :	NO
Class :	N/R
Incident on Federal Land :	N/R
Number of Fatalities :	N/R
Number of Injured :	N/R
Total Cost :	$6,640.00
Total Cost (1984 Dollars) :	$2,988.34
Total Cost (Current Year Dollars) :	$6,510.17
Operator Judgment :	N/R
Telephonic Report Number :	N/R
Incident Estimated Pressure (PSIG) :	N/R
Max Allowable Operating Pressure (MAOP, in PSIG):	N/R
MAOP Established by :	N/R
Test Pressure :	N/R
Incident Cause :	INCORRECT OPERATION
Cause by PHMSA :	INCORRECT OPERATION
Subcause by PHMSA :	INCORRECT VALVE POSITION

Map Id: A4
Direction:
Distance:
Elevation:
Relative:

Site Name : INGLEWOOD OIL FIELD RECEIVER, 0876
35.00564/-118.3705
Not Within a Municipality, CA 90008

Database(s) : [DOT OPS] ***(cont.)***

Envirosite ID: 42227858
EPA ID: N/R

DOT OPS ***(cont.)***

System Part Affected by Incident :	N/R
Other System Part Affected by Incident:	N/R
Failed Component :	N/R
Other Failed Components :	N/R
Material Involved :	N/R
Other Materials Involved :	N/R
Nominal Pipe Diameter (Inches) :	N/R
Wall Thickness (Inches) :	N/R
Material Specification :	N/R
Manufacturer :	N/R
Year Manufactured :	N/R
Year Installed :	N/R
Incident Area :	N/R
Incident Area (Other) :	N/R
Reported by :	N/R
Reporter Phone :	N/R
Corrosion Location :	N/R
Corrosion Description :	N/R
Corrosion Description (Other) :	N/R
Cause of Corrosion :	N/R
Cause of Corrosion (Other) :	N/R
Pipe Coating :	N/R
Pipeline Cathodically Protected :	N/R
Cathodic Protection Started :	N/R
Incident Primary Cause :	N/R
Incident Primary Cause (Other) :	N/R
Prior Notification on Equipment Usage:	N/R
Marked :	N/R
Marker Type :	N/R
Marker Type (Other) :	N/R
Statute/Ordinance :	N/R
Construction Defect Cause :	N/R
Construction Defect Cause (Other) :	N/R
Latitude :	35.00564
Longitude :	-118.3705

Narrative :

ON 4/5/2021 THE OPERATOR PERFORMED A CLEANING PIG RUN USING A SCRAPER PIG. VALVE IC1 WAS CLOSED AND IC2 AND IC3 WERE OPEN. ONCE THE SCRAPPER PIG WAS RECEIVED THE RECEIVER WAS ISOLATED. VALVE IC1 (BYPASS VALVE) OPEN AND IC2 AND IC3 CLOSED. THE 1/2' BLEEDER VALVE (NOT IN DIAGRAM) WAS OPENED TO RELIEVE ANY PRESSURE IN THE RECEIVER. THE 2' DRAIN VALVE WAS OPEN TO DRAIN LIQUID FROM THE RECEIVER. THE RECEIVER DOOR WAS OPENED AND THE SCRAPPER PIG WAS REMOVED. ONCE THE SCRAPPER PIG WAS REMOVED THE RECEIVER DOOR WAS CLOSED AND THE 2' DRAIN VALVE CLOSED. THE 1/2 BLEEDER VALVE WAS NOT CLOSED. ON 4/6/2021 THE OPERATOR PERFORMED A CLEANING PIG RUN USING A FOAM PIG. THE OPERATOR ARRIVED AT THE RECEIVER LOCATION AT 5:00AM. THE OPERATOR CLOSED IC1 AND OPENED IC2 AND IC3. THE OPERATOR DID NOT REALIZE THE 1/2' BLEEDER VALVE WAS STILL OPEN. THE OPERATOR LEFT THE RECEIVER LOCATION AND BEGAN SHIPPING AT AROUND 5:30AM. AT AROUND 8:00AM THE OPERATOR WAS CONTACTED BY SPR FIELD PERSONNEL THAT THE RECEIVER WAS LEAKING OIL FROM THE 1/2' BLEEDER VALVE, THE SPR FIELD PERSONNEL SHUT THE BLEEDER VALVE . THE OPERATOR IMMEDIATELY WENT BACK TO THE RECEIVER LOCATION AND CONFIRMED CLOSURE OF THE 1/2' BLEEDER VALVE. AT AROUND 8:10AM THE OPERATOR NOTIFIED HIS SUPERVISOR TO INITIATE THE RESPONSE.

Last Date in Agency List : 2021-08-10

Map Id: A5
Direction:
Distance:
Elevation:
Relative:

Site Name : PG&E GTP T-1485 MOJAVE
35.030391-118.312362
MOJAVE, CA 93501

Database(s) : [MANIFEST EPA]

Envirosite ID: 42520421
EPA ID: CAC003055989

MANIFEST EPA

Manifest Details

Manifest Number :	016722929JJK
Shipped Date :	2020-02-19
Updated Date :	2020-04-27
Received Date :	2020-02-26
Status :	Signed
Generator ID :	CAC003055989
Generator Name :	PG&E GTP T-1485 MOJAVE
Generator Address :	35.030391-118.312362, MOJAVE, CA 93501
Generator Mailing :	PO Box 7640S, San Francisco, CA 94120
Generator Contact :	N/R
Destination ID :	CAD980884183
Destination Name :	GEM Rancho Cordova LLC
Destination Mailing :	11855 White Rock Road, Rancho Cordova, CA 95742
Destination Address :	11855 White Rock Road, Rancho Cordova, CA 95742
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NON-RCRA HAZARDOUS WASTE LIQUID (OIL, WATER)
Quantity :	2 Gallons
Quantity Tons, Acute, Non-Acute :	0.008340283, 0, 0.008340283
Quantity Kg, Acute, Non-Acute :	0, 7.5648875
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 223

Waste Line Number :	2
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NON-RCRA HAZARDOUS WASTE, SOLID (SAND BLAST GRIT)
Quantity :	250 Pounds
Quantity Tons, Acute, Non-Acute :	0.125, 0, 0.125
Quantity Kg, Acute, Non-Acute :	0, 113.37875
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 181

Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R

Map Id: A5
Direction:
Distance:
Elevation:
Relative:

Site Name : PG&E GTP T-1485 MOJAVE
35.030391-118.312362
MOJAVE, CA 93501

Database(s) : [MANIFEST EPA] ***(cont.)***

Envirosite ID: 42520421
EPA ID: CAC003055989

MANIFEST EPA ***(cont.)***

Non Waste Description :	NON-RCRA HAZARDOUS WASTE, SOLID (OILY DEBRIS) 492061O-02
Quantity :	100 Pounds
Quantity Tons, Acute, Non-Acute :	0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute :	0, 45.3515
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Map Id: A6
Direction:
Distance:
Elevation:
Relative:

Site Name : Leona Tungsten Mine
35.01669, -118.33701
CA

Database(s) : [MINES USGS]

Envirosite ID: 43878566
EPA ID: N/R

MINES USGS

Deposit ID :	10260978
MRSD ID :	N/R
MAS ID :	0060290876
Site Name :	Leona Tungsten Mine
Latitude :	35.01669
Longitude :	-118.33701
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	M
Commodity-Primary :	Tungsten
Commodity-Secondary :	N/R
Commodity-Others :	N/R
Operations Type :	Underground
Deposit Type :	N/R
Production Size :	N/R
Dev Status :	Producer
Ore material :	N/R
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R
Geochem Alteration :	N/R
Concentration :	N/R
Alt Names :	N/R
Ore Character :	N/R
Reporter :	Western Field Operations Center (WFOC)
Host Rock Unit :	N/R
Host Rock Type :	N/R
Adj Rock Unit :	N/R
Adj Rock Type :	N/R
Geol Structure :	N/R

Map Id: A6
Direction:
Distance:
Elevation:
Relative:

Site Name : Leona Tungsten Mine
35.01669, -118.33701
CA

Database(s) : [MINES USGS] ***(cont.)***

Envirosite ID: 43878566
EPA ID: N/R

MINES USGS ***(cont.)***

Tectonic Setting :	N/R
References :	DATA OBTAINED FROM BUREAU OF MINE COMMODITY SPECIALIST
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: A7
Direction:
Distance:
Elevation:
Relative:

Site Name : Esperanza Prospect
35.02079, -118.34481
CA

Database(s) : [MINES USGS]

Envirosite ID: 43924596
EPA ID: N/R

MINES USGS

Deposit ID :	10285255
MRSD ID :	M022493
MAS ID :	0060290570
Site Name :	Esperanza Prospect
Latitude :	35.02079
Longitude :	-118.34481
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	M
Commodity-Primary :	Tungsten
Commodity-Secondary :	N/R
Commodity-Others :	N/R
Operations Type :	Surface
Deposit Type :	N/R
Production Size :	N/R
Dev Status :	Prospect
Ore material :	N/R
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R
Geochem Alteration :	N/R
Concentration :	N/R
Alt Names :	N/R
Ore Character :	N/R
Reporter :	Raney, Russell G.
Host Rock Unit :	N/R
Host Rock Type :	N/R
Adj Rock Unit :	N/R
Adj Rock Type :	N/R

Map Id: A7
Direction:
Distance:
Elevation:
Relative:

Site Name : Esperanza Prospect
35.02079, -118.34481
CA

Database(s) : [MINES USGS] ***(cont.)***

Envirosite ID: 43924596
EPA ID: N/R

MINES USGS ***(cont.)***

Geol Structure :	N/R
Tectonic Setting :	N/R
References :	CALIF. DIV. MINES AND GEOL., COUNTY REPORT 1, 1962, MAP NO.570, P. 315.
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: A8
Direction:
Distance:
Elevation:
Relative:

Site Name : Section 13-24 Quarry
35.03279, -118.32671
CA

Database(s) : [MINES USGS]

Envirosite ID: 43946460
EPA ID: N/R

MINES USGS

Deposit ID :	10188388
MRSD ID :	N/R
MAS ID :	0060290690
Site Name :	Section 13-24 Quarry
Latitude :	35.03279
Longitude :	-118.32671
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	N
Commodity-Primary :	Stone, Crushed/Broken
Commodity-Secondary :	N/R
Commodity-Others :	N/R
Operations Type :	Surface
Deposit Type :	N/R
Production Size :	N/R
Dev Status :	Past Producer
Ore material :	N/R
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R
Geochem Alteration :	N/R
Concentration :	N/R
Alt Names :	Mojave Portland Cement Co
Ore Character :	N/R
Reporter :	Ridenour, James
Host Rock Unit :	N/R
Host Rock Type :	N/R

Map Id: A8
Direction:
Distance:
Elevation:
Relative:

Site Name : Section 13-24 Quarry
35.03279, -118.32671
CA

Database(s) : [MINES USGS] ***(cont.)***

Envirosite ID: 43946460
EPA ID: N/R

MINES USGS ***(cont.)***

Adj Rock Unit :	N/R
Adj Rock Type :	N/R
Geol Structure :	N/R
Tectonic Setting :	N/R
References :	CALIF. DIV. MINES AND GEOL. SPECIAL PUBLICATION 58, 1981,P. 40. CALIF. DIV. MINES AND GEOL. SPECIAL PUBLICATION 103, 1990,
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: A9
Direction:
Distance:
Elevation:
Relative:

Site Name : California Portland Cement Co.
35.02919, -118.33621
CA

Database(s) : [MINES USGS]

Envirosite ID: 43955574
EPA ID: N/R

MINES USGS

Deposit ID :	10236526
MRSD ID :	N/R
MAS ID :	0060291053
Site Name :	California Portland Cement Co.
Latitude :	35.02919
Longitude :	-118.33621
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	N
Commodity-Primary :	Limestone, General
Commodity-Secondary :	N/R
Commodity-Others :	N/R
Operations Type :	Surface
Deposit Type :	N/R
Production Size :	N/R
Dev Status :	Past Producer
Ore material :	N/R
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R
Geochem Alteration :	N/R
Concentration :	N/R
Alt Names :	Creal Plant and Deposits

Map Id: A9
Direction:
Distance:
Elevation:
Relative:

Site Name : California Portland Cement Co.
35.02919, -118.33621
CA

Database(s) : [MINES USGS] ***(cont.)***

Envirosite ID: 43955574
EPA ID: N/R

MINES USGS ***(cont.)***

Ore Character :	N/R
Reporter :	Ridenour, James
Host Rock Unit :	N/R
Host Rock Type :	N/R
Adj Rock Unit :	N/R
Adj Rock Type :	N/R
Geol Structure :	N/R
Tectonic Setting :	N/R
References :	CALIF. DIV. MINES AND GEOL. COUNTY REPORT 1, 1962, P. 221-222.
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: A10
Direction:
Distance:
Elevation:
Relative:

Site Name : Snowball Deposit
35.00439, -118.36761
CA

Database(s) : [MINES USGS]

Envirosite ID: 43964736
EPA ID: N/R

MINES USGS

Deposit ID :	10138869
MRSD ID :	N/R
MAS ID :	0060290880
Site Name :	Snowball Deposit
Latitude :	35.00439
Longitude :	-118.36761
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	N
Commodity-Primary :	Limestone, General
Commodity-Secondary :	N/R
Commodity-Others :	N/R
Operations Type :	Unknown
Deposit Type :	N/R
Production Size :	N/R
Dev Status :	Occurrence
Ore material :	N/R
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R
Geochem Alteration :	N/R
Concentration :	N/R

Map Id: A10
Direction:
Distance:
Elevation:
Relative:

Site Name : Snowball Deposit
35.00439, -118.36761
CA

Database(s) : [MINES USGS] ***(cont.)***

Envirosite ID: 43964736
EPA ID: N/R

MINES USGS ***(cont.)***

Alt Names :	Snowball
Ore Character :	N/R
Reporter :	Raney, Russell G.
Host Rock Unit :	N/R
Host Rock Type :	N/R
Adj Rock Unit :	N/R
Adj Rock Type :	N/R
Geol Structure :	N/R
Tectonic Setting :	N/R
References :	CALIF. DIV. MINES AND GEOL., COUNTY REPORT 1, 1962, MAP NO.432, P. 235.
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: A11
Direction:
Distance:
Elevation:
Relative:

Site Name : Monolith Portland Cement Co.
35.00669, -118.35921
CA

Database(s) : [MINES USGS]

Envirosite ID: 43999755
EPA ID: N/R

MINES USGS

Deposit ID :	10285324
MRSD ID :	N/R
MAS ID :	0060290691
Site Name :	Monolith Portland Cement Co.
Latitude :	35.00669
Longitude :	-118.35921
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	N
Commodity-Primary :	Limestone, General
Commodity-Secondary :	Clay
Commodity-Others :	N/R
Operations Type :	Surface
Deposit Type :	N/R
Production Size :	N/R
Dev Status :	Producer
Ore material :	N/R
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R

Map Id: A11
Direction:
Distance:
Elevation:
Relative:

Site Name : Monolith Portland Cement Co.
35.00669, -118.35921
CA

Database(s) : [MINES USGS] ***(cont.)***

Envirosite ID: 43999755
EPA ID: N/R

MINES USGS ***(cont.)***

Geochem Alteration :	N/R
Concentration :	N/R
Alt Names :	Monolith-Calif Portland Cement
Ore Character :	N/R
Reporter :	Raney, Russell G.
Host Rock Unit :	N/R
Host Rock Type :	N/R
Adj Rock Unit :	N/R
Adj Rock Type :	N/R
Geol Structure :	N/R
Tectonic Setting :	N/R
References :	CALIF. DIV. MINES AND GEOL., COUNTY REPORT 1, 1962, P. 225-227.
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: A12
Direction:
Distance:
Elevation:
Relative:

Site Name : National Public Lands - Ridgecrest Field Office
35.023859, -118.336799
CA

Database(s) : [FEDLAND]

Envirosite ID: 43598044
EPA ID: N/R

FEDLAND

Facility Name :	National Public Lands - Ridgecrest Field Office
Facility Address :	CA
Source Date :	2019-08-23
Category :	Fee
Loc Name :	Ridgecrest Field Office
Owner Name :	UNK
Local Owner :	N/R
Owner Type :	UNK
Manager Type :	FED
Manager Name :	BLM
Local Manager :	BLM
Designation Type :	PUB
Local Designation :	N/R
GIS Acres :	1818282
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	OA
Access Source :	GAP - Default
GAP Status Date :	2020
GAP Status :	3

Map Id: A12
Direction:
Distance:
Elevation:
Relative:

Site Name : National Public Lands - Ridgecrest Field Office
35.023859, -118.336799
CA

Database(s) : [FEDLAND] ***(cont.)***

Envirosite ID: 43598044
EPA ID: N/R

FEDLAND ***(cont.)***

GAP Status Source :	GAP - Default
IUCN Category Date :	2020
IUCN Category :	Other Conservation Area
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Access Date :	2020
Easement Holder :	N/R
Easement Holder Type :	N/R
Comments :	N/R
Last Date in Agency List :	2022-03-02

Map Id: 13
Direction:
Distance:
Elevation:
Relative:

Site Name : National Public Lands - Ridgecrest Field Office
34.993025, -118.363325
CA

Database(s) : [FEDLAND]

Envirosite ID: 43429279
EPA ID: N/R

FEDLAND

Facility Name :	National Public Lands - Ridgecrest Field Office
Facility Address :	CA
Source Date :	2019-08-23
Category :	Fee
Loc Name :	Ridgecrest Field Office
Owner Name :	UNK
Local Owner :	N/R
Owner Type :	UNK
Manager Type :	FED
Manager Name :	BLM
Local Manager :	BLM
Designation Type :	PUB
Local Designation :	N/R
GIS Acres :	1818282
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	OA
Access Source :	GAP - Default
GAP Status Date :	2020
GAP Status :	3
GAP Status Source :	GAP - Default
IUCN Category Date :	2020
IUCN Category :	Other Conservation Area
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Access Date :	2020
Easement Holder :	N/R
Easement Holder Type :	N/R

Map Id: 13
Direction:
Distance:
Elevation:
Relative:

Site Name : National Public Lands - Ridgecrest Field Office
34.993025, -118.363325
CA

Database(s) : [FEDLAND] ***(cont.)***

Envirosite ID: 43429279
EPA ID: N/R

FEDLAND ***(cont.)***

Comments :	N/R
Last Date in Agency List :	2022-03-02

Map Id: B14
Direction: NW
Distance: 0.002 mi., 9 ft.
Elevation: 4193 ft.
Relative: Higher

Site Name : CONSOLIDATED CRANE & RIGGING
15100 TAHACHIPI WILLOW SPRING RD
MOJAVE, CA 93501

Database(s) : [HAZNET - CA, HWG - CA]

Envirosite ID: 41009166
EPA ID: CAC002656428

HAZNET - CA

Facility Name :	CONSOLIDATED CRANE & RIGGING
Facility Address :	15100 TAHACHIPI WILLOW SPRING RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAC002656428
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	6370 LONG DR, HOUSTON, TX 77087
Latitude :	35.04005158
Longitude :	-118.35293670
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

HWG - CA

Facility Name :	CONSOLIDATED CRANE & RIGGING
Facility Address :	15100 TAHACHIPI WILLOW SPRING RD, MOJAVE, CA 93501
County :	KERN

EPA ID :	CAC002656428
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	6370 LONG DR, HOUSTON, TX 77087
Owner Name :	CONSOLIDATED CRANE & RIGGING
Owner Address :	6370 LONG DR, HOUSTON, TX 77087
Operator Name :	GEORGE TURNER
Operator Address :	6370 LONG DR, HOUSTON, TX 77087
Latitude :	35.03782
Longitude :	-118.35242

Map Id: 15
Direction: W
Distance: 0.002 mi., 13 ft.
Elevation: N/R
Relative: N/R

Site Name : National Public Lands - Ridgecrest Field Office
35.008717, -118.380972
CA

Database(s) : [FEDLAND]

Envirosite ID: 43568068
EPA ID: N/R

FEDLAND

Facility Name :	National Public Lands - Ridgecrest Field Office
Facility Address :	CA
Source Date :	2019-08-23
Category :	Fee
Loc Name :	Ridgecrest Field Office
Owner Name :	UNK
Local Owner :	N/R
Owner Type :	UNK
Manager Type :	FED
Manager Name :	BLM
Local Manager :	BLM
Designation Type :	PUB
Local Designation :	N/R
GIS Acres :	1818282
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	OA
Access Source :	GAP - Default
GAP Status Date :	2020
GAP Status :	3
GAP Status Source :	GAP - Default
IUCN Category Date :	2020
IUCN Category :	Other Conservation Area
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Access Date :	2020
Easement Holder :	N/R
Easement Holder Type :	N/R
Comments :	N/R
Last Date in Agency List :	2022-03-02

Map Id: B16
Direction: NW
Distance: 0.003 mi., 16 ft.
Elevation: 4193 ft.
Relative: Higher

Site Name : ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS
15100 TEHACHAPI WILLOW SPRINGS
MOJAVE, CA 93501

Database(s) : [AST_KERN COUNTY - CA, ERNS]

Envirosite ID: 223759
EPA ID: N/R

AST_KERN COUNTY - CA

Facility Name :	BALFOUR WIND ENERGY CONSTRUCTORS
Facility Address :	15100 TEHACHAPI-WILLOW SPRINGS RD, MOJAVE, CA 93501

Site Details

Facility ID :	FA0035375
CERS ID :	N/R

Map Id: B16
Direction: NW
Distance: 0.003 mi., 16 ft.
Elevation: 4193 ft.
Relative: Higher

Site Name : ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS
15100 TEHACHAPI WILLOW SPRINGS
MOJAVE, CA 93501

Database(s) : [AST_KERN COUNTY - CA, ERNS] ***(cont.)***

Envirosite ID: 223759
EPA ID: N/R

AST_KERN COUNTY - CA ***(cont.)***

Last HMIRRP Date :	N/R
Billing Status :	Inactive, non-billable
Program/Element Code :	CD02
Program/Element :	APSA 10,000-99,999 GALLON CAPACITY
Current Inspection Date :	2013-10-01
Designated Employee :	COGLEY
Mailing Address :	3100 MCKINNON STREET SEVENTH FLOOR, DALLAS, TX 75201
Mailing Address 2 :	N/R
Last Date in Agency List :	2022-04-15

ERNS

Facility Address :	15100 TEHACHAPI-WILLOW SPRINGS ROAD, MOJAVE, CA 93501
County :	KERN

Incident Information

Incident Date Time :	2010-07-03 08:00:00
Type of Incident :	MOBILE
Incident Cause :	UNKNOWN
Incident DTG :	OCCURRED
Incident Location :	TURBINE PAD #57
Sequence Number :	946610
Potential Flag :	N

Description of Incident :

CALLER IS REPORTING WHILE A MOBILE CRANE WAS LIFTING THE BASE OF A WIND TURBINE COLUMN IT TIPPED OVER FROM UNKNOWN CAUSES. THE CRANE LANDED AND CRUSHED A PICK UP TRUCK AND KNOCKED A NEW TRANSFORMER OFF OF IT'S PAD. CALLER STATED THERE WAS A DISCHARGE OF HYDRAULIC OIL AND DIESEL FROM THE CRANE; A DISCHARGE OF GASOLINE FROM THE PICKUP TRUCK AND DISCHARGE OF NON-PCB MINERAL OIL FROM THE TRANSFORMER.

Last Date in Agency List :	2015-12-23

Incident Response Summary

Date Time Received :	2010-07-05 15:19:54
Date Time Completed :	2010-07-05 15:39:49
Call Type :	Incident
Source :	TELEPHONE
Responsible Company :	BWEC
Responsible Org Type :	PRIVATE ENTERPRISE
Responsible City :	MOJAVE
Responsible State :	CA
Responsible Zip :	93501

Incident Details Summary

Map Id: B16
Direction: NW
Distance: 0.003 mi., 16 ft.
Elevation: 4193 ft.
Relative: Higher

Site Name : ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS
15100 TEHACHAPI WILLOW SPRINGS
MOJAVE, CA 93501

Database(s) : [AST_KERN COUNTY - CA, ERNS] ***(cont.)***

Envirosite ID: 223759
EPA ID: N/R

ERNS ***(cont.)***

Remedial Action :	MATERIAL WAS CONTAINED, CONTRACTOR WAS NOTIFIED, DRAINED REMAINDER OF THE MATERIAL FROM THE TRANSFORMER AND CRANE, INVESTIGATION IS UNDERWAY
Medium :	N/R
Medium Description :	SOIL
Body of Water :	N/R
Weather Conditions :	CLEAR
Water Temperature :	N/R
Water Supply Contaminated :	U
Waterway Closed :	N
Waterway Description :	N/R

Additional Incident Details Summary

Actual Amount :	N/R
Actual Amount Units :	N/R
Capacity of Tank :	N/R
Capacity of Tank Units :	N/R
Continuous Release Begin Date :	N/R
Continuous Release End Date :	N/R
Continuous Release Change Date :	N/R
Continuous Release Permit :	N/R
Continuous Release Type :	N/R
Description of Tank :	N/R
Device Operational :	U
DOT Crossing Number :	N/R
DOT Regulated :	U
NPDES :	N/R
NPDES Compliance :	U
Pipeline Aboveground :	ABOVE
Pipeline Covered :	U
Pipeline Type :	N/R
Tank ID :	N/R
Tank Regulated :	U
Tank Regulated by :	N/R

Materials Involved Summary

Name of Material :	GASOLINE: AUTOMOTIVE (UNLEADED)
CAS Number :	000000-00-0
Amount of Material :	50
Unit of Measure :	GALLON(S)
UN Number :	N/R
CHRIS Code :	GAS
Reached Water :	NO
Amount in Water :	N/R
Unit of Measure (Reach Water) :	N/R
Name of Material :	OIL: DIESEL
CAS Number :	000000-00-0
Amount of Material :	10
Unit of Measure :	GALLON(S)

Map Id: B16
Direction: NW
Distance: 0.003 mi., 16 ft.
Elevation: 4193 ft.
Relative: Higher

Site Name : ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS
15100 TEHACHAPI WILLOW SPRINGS
MOJAVE, CA 93501

Database(s) : [AST_KERN COUNTY - CA, ERNS] ***(cont.)***

Envirosite ID: 223759
EPA ID: N/R

ERNS ***(cont.)***

UN Number :	N/R
CHRIS Code :	ODS
Reached Water :	NO
Amount in Water :	N/R
Unit of Measure (Reach Water) :	N/R

Name of Material :	HYDRAULIC OIL
CAS Number :	000000-00-0
Amount of Material :	10
Unit of Measure :	GALLON(S)
UN Number :	N/R
CHRIS Code :	OHY
Reached Water :	NO
Amount in Water :	N/R
Unit of Measure (Reach Water) :	N/R

Name of Material :	OIL, MISC: MINERAL
CAS Number :	000000-00-0
Amount of Material :	40
Unit of Measure :	GALLON(S)
UN Number :	N/R
CHRIS Code :	OMN
Reached Water :	NO
Amount in Water :	N/R
Unit of Measure (Reach Water) :	N/R

Mobile Details

Vehicle Own Fuel Capacity :	N/R
Cargo Capacity :	N/R
Amount of Cargo on Board :	N/R
Hazmat Carrier :	N
Carrier Licensed :	N
Noncompliance with Hazmat :	N
Mobile Type :	CONSTRUCTION VEHICLE
Cargo Capacity Units :	N/R
Amount of Cargo on Board Units :	N/R
Vehicle Year :	N/R
Vehicle Make :	N/R
Vehicle Model :	N/R
Vehicle Number :	#777
Trailer Number :	N/R

Vehicle Own Fuel Capacity :	N/R
Cargo Capacity :	N/R
Amount of Cargo on Board :	N/R
Hazmat Carrier :	N
Carrier Licensed :	N
Noncompliance with Hazmat :	N
Mobile Type :	PASSENGER TRUCK
Cargo Capacity Units :	N/R
Amount of Cargo on Board Units :	N/R

Map Id: B16
Direction: NW
Distance: 0.003 mi., 16 ft.
Elevation: 4193 ft.
Relative: Higher

Site Name : ALTA WIND ENERGY CENTER I | BALFOUR WIND ENERGY CONSTRUCTORS
15100 TEHACHAPI WILLOW SPRINGS
MOJAVE, CA 93501

Database(s) : [AST_KERN COUNTY - CA, ERNS] ***(cont.)***

Envirosite ID: 223759
EPA ID: N/R

ERNS ***(cont.)***

Vehicle Year :	N/R
Vehicle Make :	N/R
Vehicle Model :	N/R
Vehicle Number :	CA 8R50610
Trailer Number :	N/R

Map Id: 17
Direction: W
Distance: 0.026 mi., 137 ft.
Elevation: N/R
Relative: N/R

Site Name : National Public Lands - Ridgecrest Field Office
35.024163, -118.363163
CA

Database(s) : [FEDLAND]

Envirosite ID: 43494282
EPA ID: N/R

FEDLAND

Facility Name :	National Public Lands - Ridgecrest Field Office
Facility Address :	CA
Source Date :	2019-08-23
Category :	Fee
Loc Name :	Ridgecrest Field Office
Owner Name :	UNK
Local Owner :	N/R
Owner Type :	UNK
Manager Type :	FED
Manager Name :	BLM
Local Manager :	BLM
Designation Type :	PUB
Local Designation :	N/R
GIS Acres :	1818282
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	OA
Access Source :	GAP - Default
GAP Status Date :	2020
GAP Status :	3
GAP Status Source :	GAP - Default
IUCN Category Date :	2020
IUCN Category :	Other Conservation Area
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Access Date :	2020
Easement Holder :	N/R
Easement Holder Type :	N/R
Comments :	N/R
Last Date in Agency List :	2022-03-02

Map Id: 18
Direction: NW
Distance: 0.032 mi., 168 ft.
Elevation: 4120 ft.
Relative: Higher

Site Name : NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC 14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD MOJAVE | TEHACAPI | TEHACHAPI, CA 93501

Database(s) : [AST_KERN COUNTY - CA, CHMIRS - CA, EMI - CA, HAZNET - CA, HIST HAZNET - CA, HWG - CA]

Envirosite ID: 223833
EPA ID: CAC000584416

AST_KERN COUNTY - CA

Facility Name :	OAK CREEK ENERGY SYSTEMS INC
Facility Address :	14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD, MOJAVE, CA 93501

Site Details

Facility ID :	FA0000269
CERS ID :	10230925
Last HMIRRP Date :	N/R
Billing Status :	Inactive, non-billable
Program/Element Code :	CD01
Program/Element :	APSA 1,320-9,999 GALLON CAPACITY
Current Inspection Date :	2014-12-01
Designated Employee :	COGLEY
Mailing Address :	8560 A Oak Creek Road, Mojave, CA 93501
Mailing Address 2 :	N/R
Last Date in Agency List :	2022-04-15

CHMIRS - CA

Facility Address :	14633 Willow Springs Rd., Mojave, 93501
County :	Kern County
Notified Date :	2012-12-07 11:09:00
Spill Representative :	Oak Creek Energy Systems
Control Number :	12-7487
Substance 1 :	Mineral Oil, Non-PCB
Quantity 1 :	5
Measure 1 :	Gal(s)
Type 1 :	PETROLEUM
Pipeline 1 :	No
Vessel 1 (300 Tons) :	No
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	No
Vessel 2 (300 Tons) :	No
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R
Type 3 :	N/R
Pipeline 3 :	No
Vessel 3 (300 Tons) :	No

Map Id: 18
Direction: NW
Distance: 0.032 mi., 168 ft.
Elevation: 4120 ft.
Relative: Higher

Site Name : NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC 14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD MOJAVE | TEHACAPI | TEHACHAPI, CA 93501

Database(s) : [AST_KERN COUNTY - CA, CHMIRS - CA, EMI - CA, HAZNET - CA, HIST HAZNET - CA, HWG - CA] ***(cont.)***

Envirosite ID: 223833
EPA ID: CAC000584416

CHMIRS - CA ***(cont.)***

Description :	Caller states: HISTORICAL SPILL An old transformer had rodent intrusion causing a leak.
Contained :	Yes
Water? :	No
Water Way :	N/R
Drinking Water Impacted :	N/R
Known Impact :	N/R
Incident Date :	2012-10-16
Time :	15:08:00
Spill Site :	Other
Site :	N/R
Cause :	Other
Other Causes :	Rodents
Injuries (Y/N) :	No
Injuries Number :	N/R
Fatal (Y/N) :	No
Fatal Number :	N/R
Evacs (Y/N) :	No
Evacs Number :	N/R
Cleanup :	Contractor
Admin Agency :	Kern Co. Environmental Health Services Department
Last Date in Agency List :	2017-04-04

EMI - CA

Facility Name :	LEVEL 3 COMMUNICATIONS
Facility Address :	14633 WILLOW SPRINGS ROAD, MOJAVE, 93501
County :	Kern
Facility ID :	29003
Air Basin Code :	Mojave Desert
District :	EASTERN KERN APCD
County ID :	KER
SIC Code :	4812
CHAPIS :	N/R
CERR Code :	N/R
Last Date in Agency List :	2019-07-08

Additional Details

Year :	2017
Total Organic Gases (Tons/Year) :	.00116279069767441860465116279069767441860 5
Reactive Organic Gases (Tons/Year) :	.0011
Carbon Monoxide (Tons/Year) :	.01433
Nitrogen Oxides (Tons/Year) :	.01543
Sulfur Oxides (Tons/Year) :	.00002

Map Id: 18
Direction: NW
Distance: 0.032 mi., 168 ft.
Elevation: 4120 ft.
Relative: Higher

Site Name : NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC 14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD MOJAVE | TEHACAPI | TEHACHAPI, CA 93501

Database(s) : [AST_KERN COUNTY - CA, CHMIRS - CA, EMI - CA, HAZNET - CA, HIST HAZNET - CA, HWG - CA] ***(cont.)***

Envirosite ID: 223833
EPA ID: CAC000584416

EMI - CA ***(cont.)***

Particulate Matter (Tons/Year) :	.00083
Fine Particulate Matter (Tons/Year) :	.00083

HAZNET - CA

Facility Name :	1X OAK CREEK ENERGY_INC
Facility Address :	14633 WILLOW SPRINGS ROAD, TEHACAPI, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAC000584416
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	--, TEHACAPI, CA 935811670
Latitude :	35.03315687
Longitude :	-118.35206893
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Facility Name :	NEG MICON USA, INC
Facility Address :	14633 TEHACHAPI-WILLOW SPRINGS RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000275780
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	425 N CURRY, TEHACHAPI, CA 935610000
Latitude :	35.03315687
Longitude :	-118.35206893
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Map Id: 18
Direction: NW
Distance: 0.032 mi., 168 ft.
Elevation: 4120 ft.
Relative: Higher

Site Name : NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC 14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD MOJAVE | TEHACAPI | TEHACHAPI, CA 93501

Database(s) : [AST_KERN COUNTY - CA, CHMIRS - CA, EMI - CA, HAZNET - CA, HIST HAZNET - CA, HWG - CA] ***(cont.)***

Envirosite ID: 223833
EPA ID: CAC000584416

HAZNET - CA ***(cont.)***

Waste Generator Details
State Waste :
2004: 134 - Aqueous solution with total organic residues less than 10 percent, 0.2268 tons to CAD982444481
2004: 352 - Other organic solids, 0.075 tons to CAD982444481
2004: 221 - Waste oil and mixed oil, 0.209 tons to CAD982444481
2004: 134 - Aqueous solution with total organic residues less than 10 percent, 0.924 tons to CAD982444481
2004: 221 - Waste oil and mixed oil, 0.1938 tons to CAD982444481

Facility Name : OAK CREEK ENERGY SYSTEMS
Facility Address : 14633 WILLOW SPRINGS RD, MOJAVE, CA 93501
County : KERN

Site Details
Generator EPA ID : CAL000097510
Active : Inactive
Category : STATE
Facility Types : N/R
Type : PERMANENT
Contact Name : N/R
Contact Phone : N/R
Facility Mailing Address : 150 LA TERRAZA BLVD, ESCONDIDO, CA 920250000
Latitude : 35.03315687
Longitude : -118.35206893
Agency Hyperlink : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2021-07-08

Waste Generator Details
State Waste :
2012: 261 - Polychlorinated biphenyls and material containing PCBs, 2.75 tons to CAD050806850
2012: 331 - Off-specification, aged or surplus organics, 0.1635 tons to UTD981552177
2012: 352 - Other organic solids, 1.35 tons to CAD044429835
2012: 223 - Unspecified oil-containing waste, 6.672 tons to CAT080013352
2012: 331 - Off-specification, aged or surplus organics, 0.004 tons to TXD982290140
2012: 221 - Waste oil and mixed oil, 1 tons to CAD044429835
2012: 731 - Liquids with polychloronated biphenyls >= 50 Mg./L, 5.50229 tons to CAD050806850
2012: 461 - Paint sludge, 0.605 tons to UTD981552177
2012: 221 - Waste oil and mixed oil, 27.4816 tons to AZR000031823
2012: 181 - Other inorganic solid waste, 0.44 tons to CAD980675276
2012: 352 - Other organic solids, 0.7 tons to CAD982444481

Map Id: 18
Direction: NW
Distance: 0.032 mi., 168 ft.
Elevation: 4120 ft.
Relative: Higher

Site Name : NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC 14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD MOJAVE | TEHACAPI | TEHACHAPI, CA 93501

Database(s) : [AST_KERN COUNTY - CA, CHMIRS - CA, EMI - CA, HAZNET - CA, HIST HAZNET - CA, HWG - CA] ***(cont.)***

Envirosite ID: 223833
EPA ID: CAC000584416

HAZNET - CA ***(cont.)***

2012: 352 - Other organic solids, 0.175 tons to CAD982444481
2009: 611 - Contaminated soil from site clean-up, 253.7 tons to CAT000646117
2008: 352 - Other organic solids, 1 tons to CAD097030993
2008: 221 - Waste oil and mixed oil, 4.18 tons to CAT080013352
2007: 352 - Other organic solids, 0.15 tons to CAD097030993
2005: 352 - Other organic solids, 2.1 tons to CAT080033681
2003: 352 - Other organic solids, 1 tons to CAT080033681
2000: 611 - Contaminated soil from site clean-up, 0.5 tons to CAT080033681
1999: 223 - Unspecified oil-containing waste, 0.25 tons to CAT080033681
1997: 261 - Polychlorinated biphenyls and material containing PCBs, 0.375 tons to CAT000646117
1997: 261 - Polychlorinated biphenyls and material containing PCBs, 4.214 tons to CAT000646117
1995: 261 - Polychlorinated biphenyls and material containing PCBs, 4.214 tons to CAT000646117
1995: 261 - Polychlorinated biphenyls and material containing PCBs, 0.375 tons to CAT000646117
1994: 221 - Waste oil and mixed oil, 0.76 tons to CAT080011059

Facility Name :	ON WIND ENERGY LLC
Facility Address :	14633 WILLOW SPRINGS RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000372602
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	2 ESSEX SQ SUITE 7, ESSEX, CT 064260000
Latitude :	35.03315700
Longitude :	-118.35288900
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

HIST HAZNET - CA

Facility Name :	1X OAK CREEK ENERGY INC
Facility Address :	14633 WILLOW SPRINGS ROAD, TEHACAPI, 93501

Map Id: 18
Direction: NW
Distance: 0.032 mi., 168 ft.
Elevation: 4120 ft.
Relative: Higher

Site Name : NEG MICON USA, INC | 1X OAK CREEK ENERGY_INC | 1X OAK CREEK ENERGY INC 14633 WILLOW SPRINGS ROAD | 14633 TEHACHAPI-WILLOW SPRINGS RD | 14633 TEHACHAPI WILLOW SPRINGS RD 14633 TEHACHAPI WILLOW SPRINGS RD MOJAVE | TEHACAPI | TEHACHAPI, CA 93501

Database(s) : [AST_KERN COUNTY - CA, CHMIRS - CA, EMI - CA, HAZNET - CA, HIST HAZNET - CA, HWG - CA] ***(cont.)***

Envirosite ID: 223833
EPA ID: CAC000584416

HIST HAZNET - CA ***(cont.)***

ID Number :	CAC000584416
Last Date in Agency List :	2014-08-20
Facility Name :	1X OAK CREEK ENERGY INC
Facility Address :	14633 WILLOW SPRINGS ROAD, TEHACHAPI, 93501
ID Number :	CAC000584416
Last Date in Agency List :	2014-11-17

HWG - CA

Facility Name :	1X OAK CREEK ENERGY_INC
Facility Address :	14633 WILLOW SPRINGS ROAD, TEHACAPI, CA 93501
County :	KERN
EPA ID :	CAC000584416
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	TEHACAPI, CA 935811670
Owner Name :	INC
Owner Address :	N/A
Operator Name :	DON PETERSEN/ENGINEER
Operator Address :	N/A
Latitude :	34.874698
Longitude :	-118.095523
Facility Name :	NEG MICON USA, INC
Facility Address :	14633 TEHACHAPI-WILLOW SPRINGS RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAL000275780
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	425 N CURRY, TEHACHAPI, CA 935610000
Owner Name :	OAK CREEK ENERGY
Owner Address :	PO BOX 2135, TEHACHAPI, CA 93581
Operator Name :	BRIAN DOBBINS
Operator Address :	PO BOX 2135, TEHACHAPI, CA 93581
Latitude :	35.023654
Longitude :	-118.350576

Map Id: 19
Direction: SSW
Distance: 0.109 mi., 578 ft.
Elevation: 3900 ft.
Relative: Lower

Site Name : Esperanza
35.02221, -118.33869
CA

Database(s) : [MINES USGS]

Envirosite ID: 43986194
EPA ID: N/R

MINES USGS

Deposit ID :	10035219
MRSD ID :	M022493
MAS ID :	N/R
Site Name :	Esperanza
Latitude :	35.02221
Longitude :	-118.33869
Region :	NA
Country :	United States
State :	California
County :	Kern
Commodity Type :	M
Commodity-Primary :	N/R
Commodity-Secondary :	N/R
Commodity-Others :	Tungsten
Operations Type :	Unknown
Deposit Type :	N/R
Production Size :	N
Dev Status :	Occurrence
Ore material :	Scheelite
Gangue material :	N/R
Other Materials :	N/R
Ore body :	N/R
Work Type :	N/R
Mineral Model :	N/R
Geochem Alteration :	N/R
Concentration :	N/R
Alt Names :	N/R
Ore Character :	N/R
Reporter :	Fraticelli, L. A. (Albers, J.)
Host Rock Unit :	N/R
Host Rock Type :	Limestone
Adj Rock Unit :	N/R
Adj Rock Type :	N/R
Geol Structure :	N/R
Tectonic Setting :	N/R
References :	TROXEL, B. W., AND MORTON, P. K., 1962, MINES AND MINERAL RESOURCES OF KERN COUNTY, CALIFORNIA: CAL. DIV. MINES AND GEOLOGY, COUNTY REPORT 1, P. 315
Year First Produced :	N/R
Year Last Produced :	N/R
Year Discovered :	N/R
Prod Years :	N/R
Discovery :	N/R
URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Map Id: 20
Direction: NW
Distance: 0.120 mi., 632 ft.
Elevation: N/R
Relative: N/R

Site Name : National Public Lands - Ridgecrest Field Office
35.038498, -118.354611
CA

Database(s) : [FEDLAND]

Envirosite ID: 43544432
EPA ID: N/R

FEDLAND

Facility Name :	National Public Lands - Ridgecrest Field Office
Facility Address :	CA
Source Date :	2019-08-23
Category :	Fee
Loc Name :	Ridgecrest Field Office
Owner Name :	UNK
Local Owner :	N/R
Owner Type :	UNK
Manager Type :	FED
Manager Name :	BLM
Local Manager :	BLM
Designation Type :	PUB
Local Designation :	N/R
GIS Acres :	1818282
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	OA
Access Source :	GAP - Default
GAP Status Date :	2020
GAP Status :	3
GAP Status Source :	GAP - Default
IUCN Category Date :	2020
IUCN Category :	Other Conservation Area
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Access Date :	2020
Easement Holder :	N/R
Easement Holder Type :	N/R
Comments :	N/R
Last Date in Agency List :	2022-03-02

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN]

Envirosite ID: 223757
EPA ID: CAC002700661

AST - CA

Facility Name :	RIDGETOP ENERGY LLC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	Kern County

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

AST - CA ***(cont.)***

Site Details

Site ID :	400716
Facility Identifer :	N/R
EPA Identifier :	CAL000303385
Facility Explorer ID :	400716
Dun and Bradsheet Number :	N/R
Regulatory Programs :	Aboveground Petroleum Storage, Chemical Storage Facilities, Hazardous Waste Generator
SIC :	N/R
NAICS :	N/R
Latitude :	35.372878
Longitude :	-118.916730
Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-26

Violations

Violation Date :	2018-09-10
Citation :	HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Description :

"Failure to prepare an SPCC Plan which fulfills all basic requirements that include: 1. The SPCC Plan must be prepared in accordance with good engineering practices. 2. Have full approval of management at a level of authority to commit the necessary resources to fully implement the SPCC Plan. 3. Prepare the SPCC Plan in writing. 4. Follow the sequence of the SPCC rule or include a cross-reference. 5. If the SPCC Plan calls for additional procedures, methods, or equipment not yet fully operational, discuss the items in separate paragraphs."

Notes :	Returned to compliance on 09/11/2018. Facility is conducting integrity testing on one of the AST's on site. The SPCC Plan shall reflect that integrity testing shall be conducted at minimum per the manufacture specifications. Correct within 30 days.
Division :	Kern County Env Health Services Department
Program :	APSA
Source :	CERS
Violation Date :	2018-09-10
Citation :	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

AST - CA ***(cont.)***

Description : Failure to complete and electronically submit a site map with all required content.

Notes : Returned to compliance on 09/17/2018. Site map shall be updated to meet the above mentioned standards. Correct within 30 days.

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Violation Date : 2018-09-10

Citation : HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)

Description :

Failure to include in the SPCC Plan: 1. A contact list and phone numbers for the facility response coordinator, National Response Center, cleanup contractors with an agreement for response, and all Federal, State, and local agencies who must be contacted in case of a discharge 2. Information and procedures that would enable a person reporting an oil discharge to relate all information as described in 40 CFR 112.7(a)(4), unless facility submitted a Facility Response Plan.

Notes : Returned to compliance on 09/10/2018. SPCC Plan lacked the contact phone number for the Regional Water QUality Control Board in the facility discharge reporting procedures. Operator corrected on site.

Division : Kern County Env Health Services Department
Program : APSA
Source : CERS

Chemicals

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Chemical Name : ARGON
CAS Number : 7440-37-1
Hazard Type(s) : -
Max Daily Amount / Unit : 0-2599 Cubic Feet
Average Daily Amount / Unit : 0-2599 Cubic Feet
Days Onsite : 365
Physical State(s) : Gas

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

AST - CA ***(cont.)***

Chemical Name :	ARGON COMPRESSED
CAS Number :	7440-37-1
Hazard Type(s) :	-
Max Daily Amount / Unit :	0-2599 Cubic Feet
Average Daily Amount / Unit :	0-2599 Cubic Feet
Days Onsite :	365
Physical State(s) :	Gas

Chemical Name :	Acetylene
CAS Number :	74-86-2
Hazard Type(s) :	-
Max Daily Amount / Unit :	0-2599 Cubic Feet
Average Daily Amount / Unit :	0-2599 Cubic Feet
Days Onsite :	365
Physical State(s) :	Gas

Chemical Name :	CASTROL OPTIGEAR SYNTHETIC X 320
CAS Number :	N/R
Hazard Type(s) :	-
Max Daily Amount / Unit :	60-119 Gallons
Average Daily Amount / Unit :	60-119 Gallons
Days Onsite :	365
Physical State(s) :	Liquid

Chemical Name :	CHEVRON SPECIAL DIESEL (EMPTY)
CAS Number :	N/R
Hazard Type(s) :	-
Max Daily Amount / Unit :	120-599 Gallons
Average Daily Amount / Unit :	120-599 Gallons
Days Onsite :	365
Physical State(s) :	Liquid

AST_KERN COUNTY - CA

Facility Name :	RIDGETOP ENERGY LLC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501

Site Details

Facility ID :	FA0002690
CERS ID :	10233772
Last HMIRRP Date :	N/R
Billing Status :	Active, billable
Program/Element Code :	CD01
Program/Element :	APSA 1,320-9,999 GALLON CAPACITY
Current Inspection Date :	2024-08-01
Designated Employee :	COGLEY

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

AST_KERN COUNTY - CA ***(cont.)***

Mailing Address :	7021 OAK CREEK RD, MOJAVE, CA 93501-7739
Mailing Address 2 :	N/R
Last Date in Agency List :	2022-04-15

CALEPA SITES - CA

Facility Name :	RIDGETOP ENERGY LLC
Facility Address :	10315 OAK CREEK RD, MOJAVE, 93501
Site ID :	400716
EI ID :	10233772
EI Description :	Aboveground Petroleum Storage
Latitude :	35.372878
Longitude :	-118.916730
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Site ID :	400716
EI ID :	10233772
EI Description :	Chemical Storage Facilities
Latitude :	35.372878
Longitude :	-118.916730
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Site ID :	400716
EI ID :	10233772
EI Description :	Hazardous Waste Generator
Latitude :	35.372878
Longitude :	-118.916730
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

CHMIRS - CA

Facility Address :	10315 Oak Creek Rd, Mojave, 93501
County :	Kern County
Notified Date :	2015-04-21 10:35:00
Spill Representative :	Ridgetop Energy LLC
Control Number :	15-2234
Substance 1 :	Transformer Mineral Oil, Non PCB
Quantity 1 :	200
Measure 1 :	Gal(s)
Type 1 :	PETROLEUM
Pipeline 1 :	No
Vessel 1 (300 Tons) :	No

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

CHMIRS - CA ***(cont.)***

Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	No
Vessel 2 (300 Tons) :	No
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R
Type 3 :	N/R
Pipeline 3 :	No
Vessel 3 (300 Tons) :	No
Description :	RP states that a tripped transformers had an internal malfunction causing the release. Cleanup is in progress.
Contained :	Yes
Water? :	No
Water Way :	N/R
Drinking Water Impacted :	N/R
Known Impact :	N/R
Incident Date :	2015-04-20
Time :	21:30:00
Spill Site :	Other
Site :	N/R
Cause :	Mechanical
Other Causes :	N/R
Injuries (Y/N) :	No
Injuries Number :	N/R
Fatal (Y/N) :	No
Fatal Number :	N/R
Evacs (Y/N) :	No
Evacs Number :	N/R
Cleanup :	Contractor
Admin Agency :	Kern Co. Environmental Health Services Department
Last Date in Agency List :	2017-04-04

HAZNET - CA

Facility Name :	BROOKFIELD RENEWABLE ENERGY INC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAC002700661
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HAZNET - CA ***(cont.)***

Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	15509 70TH ST, MOJAVE, CA 93501
Latitude :	35.04614585
Longitude :	-118.31542361
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :	2012: 291 - Latex waste, 0.02 tons to NVT330010000 2012: 223 - Unspecified oil-containing waste, 0.1 tons to TXD077603371
Facility Name :	NEG MICON USA INC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000207229
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	PO BOX 2135, TEHACHAPI, CA 935812135
Latitude :	35.04614585
Longitude :	-118.31542361
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :	2001: 352 - Other organic solids, 0.2 tons to CAT080033681 2000: 352 - Other organic solids, 0.6 tons to CAT080033681 1999: 352 - Other organic solids, 0.5 tons to CAD982444481
Facility Name :	RIDGETOP ENERGY
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HAZNET - CA ***(cont.)***

Site Details

Generator EPA ID :	CAD982491474
Active :	Inactive
Category :	FEDERAL
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	10315 OAK CREEK RD, MOJAVE, CA 935010000
Latitude :	35.04614585
Longitude :	-118.31542361
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :

2004: 741 - Liquids with halogenated organic compounds >= 1,000 Mg. /L, 0.22935 tons to CAD093459485
2003: 741 - Liquids with halogenated organic compounds >= 1,000 Mg. /L, 0.48372 tons to CAD093459485
2003: 352 - Other organic solids, 1.625 tons to CAT080033681
2003: 792 - Liquids with pH <= 2 with metals, 0.15 tons to CAD088504881
2000: 352 - Other organic solids, 3.75 tons to CAT080033681
2000: 223 - Unspecified oil-containing waste, 0.2293 tons to CAT080013352
2000: 214 - Unspecified solvent mixture, 0.0375 tons to TND000772186
2000: 331 - Off-specification, aged or surplus organics, 0.0625 tons to CAD028409019
2000: 352 - Other organic solids, 0.9 tons to CAD088504881
2000: 512 - Other empty containers 30 gallons or more, 0.075 tons to CAD028409019
2000: 513 - Empty containers less than 30 gallons, 0.25 tons to CAD028409019
2000: 181 - Other inorganic solid waste, 0.1 tons to CAD088504881
2000: 343 - Unspecified organic liquid mixture, 0.272 tons to CAD028409019
2000: 291 - Latex waste, 0.2 tons to CAD028409019
1999: 213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.), 0.0834 tons to CAD089446710
1999: 791 - Liquids with pH <= 2, 0.0041 tons to CAD000088252
1999: 223 - Unspecified oil-containing waste, 0.4587 tons to CAT080013352
1999: *** - Invalid waste code, 0.1 tons to TND000772186
1999: 352 - Other organic solids, 0.625 tons to CAD088504881
1999: 352 - Other organic solids, 5.3 tons to CAT080033681
1999: 212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.), 0.5445 tons to CAD000088252

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HAZNET - CA ***(cont.)***

Site Details

Generator EPA ID :	CAL000303385
Active :	Active
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	7021 OAK CREEK RD, MOJAVE, CA 935010000
Latitude :	35.04614585
Longitude :	-118.31542361
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

State Waste :

2019: 352 - Other organic solids, 0.60000 tons to CAD980675276
2019: 352 - Other organic solids, 0.50000 tons to CAL000282598
2019: 352 - Other organic solids, 0.40000 tons to CAL000282598
2019: 352 - Other organic solids, 0.45000 tons to CAD059494310
2018: 221 - Waste oil and mixed oil, 0.00000 tons to CAT080013352
2018: 343 - Unspecified organic liquid mixture, 0.15300 tons to CAD028409019
2018: 352 - Other organic solids, 2.81250 tons to CAD097030993
2018: 331 - Off-specification, aged or surplus organics, 0.29700 tons to CAT080013352
2018: 513 - Empty containers less than 30 gallons, 0.07250 tons to CAD008252405
2017: 513 - Empty containers less than 30 gallons, 0.125 tons to CAD008252405
2017: 352 - Other organic solids, 2.61 tons to CAD097030993
2017: 331 - Off-specification, aged or surplus organics, 0.099 tons to CAT080013352
2016: 331 - Off-specification, aged or surplus organics, 0.3795 tons to CAT080013352
2016: 513 - Empty containers less than 30 gallons, 0.1125 tons to CAD008252405
2016: 221 - Waste oil and mixed oil, 0.247 tons to CAT080013352
2016: 352 - Other organic solids, 3.775 tons to CAD097030993
2015: 352 - Other organic solids, 3.1575 tons to CAD097030993
2015: 221 - Waste oil and mixed oil, 0.133 tons to CAT080013352
2015: 342 - Organic liquids with metals (see 121), 0.60465 tons to CAT080013352
2015: 331 - Off-specification, aged or surplus organics, 0.0825 tons to CAT080013352

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HAZNET - CA ***(cont.)***

2015: 331 - Off-specification, aged or surplus organics, 0.0875 tons to CAD097030993
2015: 513 - Empty containers less than 30 gallons, 0.138 tons to CAD008252405
2015: 223 - Unspecified oil-containing waste, 1.2093 tons to CAT080013352
2014: 513 - Empty containers less than 30 gallons, 0.1795 tons to CAD008252405
2014: 352 - Other organic solids, 3.4785 tons to CAD097030993
2014: 342 - Organic liquids with metals (see 121), 0.2502 tons to CAT080013352
2013: 352 - Other organic solids, 0.4 tons to CAD097030993
2013: 513 - Empty containers less than 30 gallons, 0.1065 tons to CAD008252405
2013: 352 - Other organic solids, 4.8915 tons to CAD097030993
2013: 342 - Organic liquids with metals (see 121), 0.43785 tons to CAT080013352

Facility Name :	RIDGE TOP ENERGY LLC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000217272
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	8560 OAK CREEK RD SUITE A, MOJAVE, CA 935010000
Latitude :	35.04614585
Longitude :	-118.31542361
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :

2006: 352 - Other organic solids, 0.5 tons to CAT080033681
2006: 513 - Empty containers less than 30 gallons, 0.0375 tons to CAD008252405
2006: 513 - Empty containers less than 30 gallons, 0.05 tons to CAD008252405
2006: 352 - Other organic solids, 0.55 tons to CAT080033681
2005: 352 - Other organic solids, 0.8 tons to CAT080033681
2005: 513 - Empty containers less than 30 gallons, 0.1 tons to CAD008252405

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HAZNET - CA ***(cont.)***

2004: 513 - Empty containers less than 30 gallons, 0.225 tons to CAD008252405
2004: 352 - Other organic solids, 0.2 tons to CAT080033681
2004: 352 - Other organic solids, 0.7 tons to CAT080033681
2004: 352 - Other organic solids, 1.47 tons to CAT080033681
2003: 513 - Empty containers less than 30 gallons, 0.14 tons to CAD008252405
2003: 352 - Other organic solids, 0.85 tons to CAT080033681
2003: N/R - Blank or unknown, 0.035 tons to CAD008252405
2002: 151 - Asbestos containing waste, 21.07 tons to UTC093012201
2002: 221 - Waste oil and mixed oil, 92.055 tons to CAT080013352
2002: 352 - Other organic solids, 0.175 tons to AZD980892731
2002: 181 - Other inorganic solid waste, 0.15 tons to CAD088504881
2002: 513 - Empty containers less than 30 gallons, 0.175 tons to CAD008252405
2002: 352 - Other organic solids, 2.3 tons to CAT080033681
2001: 352 - Other organic solids, 2.15 tons to CAT080033681
2001: 221 - Waste oil and mixed oil, 72.048 tons to CAT080013352
2001: 352 - Other organic solids, 2.65 tons to AZD980892731
2001: 513 - Empty containers less than 30 gallons, 0.25 tons to AZD980892731
2001: 792 - Liquids with pH <= 2 with metals, 0.25 tons to CAD088504881
2000: N/R - Blank or unknown, 1.668 tons to CAD088838222

HWG - CA

Facility Name :	BROOKFIELD RENEWABLE ENERGY INC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC002700661
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	15509 70TH ST, MOJAVE, CA 93501
Owner Name :	BROOKFIELD RENEWABLE ENERGY INC
Owner Address :	15509 70TH ST, MOJAVE, CA 93501
Operator Name :	BIANE BARR
Operator Address :	15509 70TH ST, MOJAVE, CA 93501
Latitude :	35.046115
Longitude :	-118.315369
Facility Name :	NEG MICON USA INC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HWG - CA ***(cont.)***

EPA ID :	CAL000207229
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	PO BOX 2135, TEHACHAPI, CA 935812135
Owner Name :	NEG MICON USA INC
Owner Address :	2850 GOLF ROAD SUITE 405, ROLLING MEADOWS, IL 600082135
Operator Name :	MARGARET M GANCZAK H&S COORD
Operator Address :	301 E MERCURY DRIVE SUITE 2, CHAMPAIGN, IL 618222135
Latitude :	35.038535
Longitude :	-118.257917

Facility Name :	RIDGETOP ENERGY
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

EPA ID :	CAD982491474
Status :	Inactive
Category :	FEDERAL
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	10315 OAK CREEK RD, MOJAVE, CA 935010000
Owner Name :	FPL ENERGY OSI INC
Owner Address :	10315 OAK CREEK RD, MOJAVE, CA 935010000
Operator Name :	JAYMIE SALAS
Operator Address :	10315 OAK CREEK RD, MOJAVE, CA 935010000
Latitude :	35.043209
Longitude :	-118.229006

EPA ID :	CAL000303385
Status :	Active
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	7021 OAK CREEK RD, MOJAVE, CA 935010000
Owner Name :	RIDGETOP ENERGY
Owner Address :	7021 OAK CREEK ROAD, MOJAVE, CA 935010000
Operator Name :	CAROLYN WILES
Operator Address :	7021 OAK CREEK ROAD, MOJAVE, CA 93501
Latitude :	35.04691
Longitude :	-118.31784

Facility Name :	RIDGE TOP ENERGY LLC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

HWG - CA ***(cont.)***

EPA ID :	CAL000217272
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	8560 OAK CREEK RD SUITE A, MOJAVE, CA 935010000
Owner Name :	RIDGE TOP ENERGY LLC
Owner Address :	10315 OAK CREEK RD, MOJAVE, CA 935010000
Operator Name :	DEAN LANDON
Operator Address :	8560 OAK CREEK RD STE A, MOJAVE, CA 935010000
Latitude :	35.047023
Longitude :	-118.318299

MANIFEST EPA

Manifest Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Manifest Number :	008099655SKS
Shipped Date :	2021-09-30
Updated Date :	2021-11-16
Received Date :	2021-10-21
Status :	Signed
Generator ID :	CAL000303385
Generator Name :	Ridgetop Energy LLC
Generator Address :	10315 Oak Creek Road, MOJAVE, CA 93501
Generator Mailing :	10315 Oak Creek Road, Mojave, CA 93501
Generator Contact :	Ridgetop Energy LLC
Destination ID :	UTD991301748
Destination Name :	Clean Harbors Grassy Mountain LLC
Destination Mailing :	PO Box 22750, Salt Lake City, UT 84122
Destination Address :	3 Miles East 7 Miles North of Knolls Exit 41 off I-80, Grantsville, UT 84029
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY DEBRIS), N/A, NONE
Quantity :	400 Pounds
Quantity Tons, Acute, Non-Acute :	0.2, 0, 0.2
Quantity Kg, Acute, Non-Acute :	0, 181.406
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352
Waste Line Number :	2
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/ (EMPTY GREASE TUBES), N/A, NONE
Quantity :	200 Pounds
Quantity Tons, Acute, Non-Acute :	0.1, 0, 0.1
Quantity Kg, Acute, Non-Acute :	0, 90.703
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352
Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY SOIL), N/A, NONE
Quantity :	200 Pounds
Quantity Tons, Acute, Non-Acute :	0.1, 0, 0.1
Quantity Kg, Acute, Non-Acute :	0, 90.703
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352
Waste Line Number :	5
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (NON PCB CAPACITOR), N/A, NONE
Quantity :	100 Pounds

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Quantity Tons, Acute, Non-Acute :	0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute :	0, 45.3515
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 181

Manifest Details

Manifest Number :	008047727SKS
Shipped Date :	2021-06-16
Updated Date :	2021-07-19
Received Date :	2021-06-24
Status :	Signed
Generator ID :	CAL000303385
Generator Name :	Ridgetop Energy LLC
Generator Address :	10315 Oak Creek Road, MOJAVE, CA 93501
Generator Mailing :	10315 Oak Creek Road, Mojave, CA 93501
Generator Contact :	Ridgetop Energy LLC
Destination ID :	CAD980675276
Destination Name :	Clean Harbors Buttonwillow LLC
Destination Mailing :	PO Box 787, Buttonwillow, CA 93206
Destination Address :	2500 West Lokern Road, Buttonwillow, CA 93206
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/ (EMPTY GREASE TUBES), N/A, NONE
Quantity :	200 Pounds
Quantity Tons, Acute, Non-Acute :	0.1, 0, 0.1
Quantity Kg, Acute, Non-Acute :	0, 90.703
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Waste Line Number :	2
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY SOIL), N/A, NONE
Quantity :	100 Pounds
Quantity Tons, Acute, Non-Acute :	0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute :	0, 45.3515
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY DEBRIS), N/A, NONE
Quantity :	400 Pounds
Quantity Tons, Acute, Non-Acute :	0.2, 0, 0.2
Quantity Kg, Acute, Non-Acute :	0, 181.406
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Waste Line Number :	4
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS, N/A, NONE, (NON PCB CAPACITOR)
Quantity :	100 Pounds
Quantity Tons, Acute, Non-Acute :	0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute :	0, 45.3515
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 181

Manifest Details

Manifest Number :	007606081SKS
Shipped Date :	2021-03-24

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Updated Date :	2021-04-30
Received Date :	2021-04-02
Status :	Signed
Generator ID :	CAL000303385
Generator Name :	Ridgetop Energy LLC
Generator Address :	10315 Oak Creek Road, MOJAVE, CA 93501
Generator Mailing :	10315 Oak Creek Road, Mojave, CA 93501
Generator Contact :	Ridgetop Energy LLC
Destination ID :	CAD980675276
Destination Name :	Clean Harbors Buttonwillow LLC
Destination Mailing :	PO Box 787, Buttonwillow, CA 93206
Destination Address :	2500 West Lokern Road, Buttonwillow, CA 93206
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/ (EMPTY GREASE TUBES), N/A, NONE
Quantity :	100 Pounds
Quantity Tons, Acute, Non-Acute :	0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute :	0, 45.3515
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Waste Line Number :	2
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY DEBRIS), N/A, NONE
Quantity :	300 Pounds
Quantity Tons, Acute, Non-Acute :	0.15, 0, 0.15
Quantity Kg, Acute, Non-Acute :	0, 136.0545
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352
Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (NON PCB CAPACITORS), N/A, NONE
Quantity :	100 Pounds
Quantity Tons, Acute, Non-Acute :	0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute :	0, 45.3515
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 181
Waste Line Number :	4
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (OILY SOIL), N/A, NONE
Quantity :	150 Pounds
Quantity Tons, Acute, Non-Acute :	0.075, 0, 0.075
Quantity Kg, Acute, Non-Acute :	0, 68.02725
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Manifest Details

Manifest Number :	007794880SKS
Shipped Date :	2020-11-24
Updated Date :	2020-12-28
Received Date :	2020-12-03
Status :	Signed
Generator ID :	CAL000303385
Generator Name :	Ridgetop Energy LLC
Generator Address :	10315 Oak Creek Road, MOJAVE, CA 93501
Generator Mailing :	10315 Oak Creek Road, Mojave, CA 93501
Generator Contact :	Ridgetop Energy LLC
Destination ID :	CAD980675276
Destination Name :	Clean Harbors Buttonwillow LLC
Destination Mailing :	PO Box 787, Buttonwillow, CA 93206
Destination Address :	2500 West Lokern Road, Buttonwillow, CA 93206
Destination Contact :	N/R

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY DEBRIS), N/A, NONE
Quantity :	400 Pounds
Quantity Tons, Acute, Non-Acute :	0.2, 0, 0.2
Quantity Kg, Acute, Non-Acute :	0, 181.406
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Waste Line Number :	2
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/ (EMPTY GREASE TUBES), N/A, NONE
Quantity :	300 Pounds
Quantity Tons, Acute, Non-Acute :	0.15, 0, 0.15
Quantity Kg, Acute, Non-Acute :	0, 136.0545
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY SOIL), N/A, NONE
Quantity :	150 Pounds
Quantity Tons, Acute, Non-Acute :	0.075, 0, 0.075

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Quantity Kg, Acute, Non-Acute :	0, 68.02725
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Manifest Details

Manifest Number :	007569862SKS
Shipped Date :	2020-09-17
Updated Date :	2020-10-14
Received Date :	2020-09-24
Status :	Signed
Generator ID :	CAL000303385
Generator Name :	Ridgetop Energy LLC
Generator Address :	10315 Oak Creek Road, MOJAVE, CA 93501
Generator Mailing :	10315 Oak Creek Road, Mojave, CA 93501
Generator Contact :	Ridgetop Energy LLC
Destination ID :	CAD980675276
Destination Name :	Clean Harbors Buttonwillow LLC
Destination Mailing :	PO Box 787, Buttonwillow, CA 93206
Destination Address :	2500 West Lokern Road, Buttonwillow, CA 93206
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY DEBRIS), N/A, NONE
Quantity :	900 Pounds
Quantity Tons, Acute, Non-Acute :	0.45, 0, 0.45
Quantity Kg, Acute, Non-Acute :	0, 408.1635
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

MANIFEST EPA ***(cont.)***

Waste Line Number :	2
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/ (EMPTY GREASE TUBES), N/A, NONE
Quantity :	400 Pounds
Quantity Tons, Acute, Non-Acute :	0.2, 0, 0.2
Quantity Kg, Acute, Non-Acute :	0, 181.406
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS ,), N/A (OILY SOIL), N/A, NONE
Quantity :	200 Pounds
Quantity Tons, Acute, Non-Acute :	0.1, 0, 0.1
Quantity Kg, Acute, Non-Acute :	0, 90.703
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

RCRA_NONGEN

Facility Name :	CANNON ENERGY CORP
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Date Form Received by Agency :	2001-01-16
EPA ID :	CAD982491474
Mailing Address :	PO BOX 1457, TEHACHAPI, CA 93581
Contact :	JAYMIE SALAS
Contact Address :	10315 OAK CREEK RD, MOJAVE, CA 93501
Contact Country :	US
Contact Telephone :	661-822-7524
Contact Email :	N/R
EPA Region :	09
Land Type :	Other land type
Source Type :	Notification
Classification :	Not a generator, verified
Description :	Not a generator, verified

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

RCRA_NONGEN ***(cont.)***

Last Date in Agency List : 2022-04-27

Owner/Operator Summary

Owner/Operator Name :	CANNON ENERGY CORP
Owner/Operator Address :	NOT REQUIRED, NOT REQUIRED, ME 99999
Owner/Operator Country :	N/R
Owner/Operator Telephone :	415-555-1212
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Owner/Operator Name :	NOT REQUIRED
Owner/Operator Address :	NOT REQUIRED, NOT REQUIRED, ME 99999
Owner/Operator Country :	N/R
Owner/Operator Telephone :	415-555-1212
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Private
Owner/Operator Type :	Operator
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

RCRA_NONGEN ***(cont.)***

Notices of Violations Summary

Regulation Violated :	N
Facility Name :	TERRA-GEN OPERATING CO, LLC
Facility Address :	10315 OAK CREEK RD, MOJAVE, CA 93501-0000
County :	KERN
Date Form Received by Agency :	2006-02-15
EPA ID :	CAL000303385
Mailing Address :	7021 OAK CREEK RD, MOJAVE, CA 93501-0000
Contact :	CAROLYN WILES
Contact Address :	7021 OAK CREEK ROAD, MOJAVE, CA 93501
Contact Country :	N/R
Contact Telephone :	661-822-2495
Contact Email :	CWILES@TERRA-GEN.COM
EPA Region :	09
Land Type :	Not Reported
Source Type :	Implementer
Classification :	Not a generator, verified
Description :	Not a generator, verified
Last Date in Agency List :	2022-04-27

Owner/Operator Summary

Owner/Operator Name :	CAROLYN WILES
Owner/Operator Address :	7021 OAK CREEK ROAD, MOJAVE, CA 93501
Owner/Operator Country :	N/R
Owner/Operator Telephone :	661-822-2495
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Other land type
Owner/Operator Type :	Operator
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R
Owner/Operator Name :	TERRA-GEN OPERATING CO, LLC
Owner/Operator Address :	7021 OAK CREEK ROAD, MOJAVE, CA 93501-0000
Owner/Operator Country :	N/R
Owner/Operator Telephone :	661-822-2400
Owner/Operator Email :	N/R
Owner/Operator Fax :	N/R
Legal Status :	Other land type
Owner/Operator Type :	Owner
Owner/Operator Start Date :	N/R
Owner/Operator End Date :	N/R

Map Id: 21
Direction: NE
Distance: 0.128 mi., 678 ft.
Elevation: 3735 ft.
Relative: Lower

Site Name : RIDGETOP ENERGY LLC | TERRA-GEN OPERATING CO, LLC | CANNON ENERGY CORP
10315 OAK CREEK RD
MOJAVE, CA 93501

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALEPA SITES - CA, CHMIRS - CA, HAZNET - CA, HWG - CA, MANIFEST EPA, RCRA_NONGEN] ***(cont.)***

Envirosite ID: 223757
EPA ID: CAC002700661

RCRA_NONGEN ***(cont.)***

Handler Activities Summary

U.S. Importer of Hazardous Waste :	N
Mixed Waste (Haz. and Radioactive) :	N
Recycler of Hazardous Waste :	N
Transporter of Hazardous Waste :	N
Treater, Storer or Disposer of HW :	N
Underground Injection Activity :	N
On-site Burner Exemption :	N
Furnace Exemption :	N
Used Oil Fuel Burner :	N
Used Oil Processor :	N
Used Oil Refiner :	N
Used Oil Fuel Marketer to Burner :	N
Used Oil Specification Marketer :	N
Used Oil Transfer Facility :	N
Used Oil Transporter :	N

Notices of Violations Summary

Regulation Violated :	N

Map Id: 22
Direction: WSW
Distance: 0.517 mi., 2729 ft.
Elevation: N/R
Relative: N/R

Site Name : National Public Lands - Ridgecrest Field Office
35.008509, -118.398904
CA

Database(s) : [FEDLAND]

Envirosite ID: 43383200
EPA ID: N/R

FEDLAND

Facility Name :	National Public Lands - Ridgecrest Field Office
Facility Address :	CA
Source Date :	2019-08-23
Category :	Fee
Loc Name :	Ridgecrest Field Office
Owner Name :	UNK
Local Owner :	N/R
Owner Type :	UNK
Manager Type :	FED
Manager Name :	BLM
Local Manager :	BLM
Designation Type :	PUB

Map Id: 22
Direction: WSW
Distance: 0.517 mi., 2729 ft.
Elevation: N/R
Relative: N/R

Site Name : National Public Lands - Ridgecrest Field Office
35.008509, -118.398904
CA

Database(s) : [FEDLAND] ***(cont.)***

Envirosite ID: 43383200
EPA ID: N/R

FEDLAND ***(cont.)***

Local Designation :	N/R
GIS Acres :	1818282
Source Protected Area ID :	N/R
WDPA Site :	0
Public Access :	OA
Access Source :	GAP - Default
GAP Status Date :	2020
GAP Status :	3
GAP Status Source :	GAP - Default
IUCN Category Date :	2020
IUCN Category :	Other Conservation Area
IUCN Category Source :	GAP - Default
Date of Establishment :	N/R
Access Date :	2020
Easement Holder :	N/R
Easement Holder Type :	N/R
Comments :	N/R
Last Date in Agency List :	2022-03-02

Map Id: 23
Direction: NW
Distance: 0.760 mi., 4014 ft.
Elevation: N/R
Relative: N/R

Site Name : Garlock fault, South Branch
35.0459, -118.372127
CA

Database(s) : [SEISMIC - CA]

Envirosite ID: 31169602
EPA ID: N/R

SEISMIC - CA

Fault ID :	69
Fault Age :	HOL
Fault Source :	Clark (1973)
Zone Name :	Garlock fault zone
Line Type :	dashed
Line Value :	2
JEN ID :	310
Section Number :	69a
Section Name :	Western Garlock section
Date :	N/R
Rule ID :	5
Shape Length :	1227.31885577

Map Id: 24
Direction: NW
Distance: 0.832 mi., 4392 ft.
Elevation: N/R
Relative: N/R

Site Name : Garlock fault, South Branch
35.055735, -118.368396
CA

Database(s) : [SEISMIC - CA]

Envirosite ID: 31169598
EPA ID: N/R

SEISMIC - CA

Fault ID :	69
Fault Age :	HOL
Fault Source :	Clark (1973)
Zone Name :	Garlock fault zone
Line Type :	solid
Line Value :	1
JEN ID :	310
Section Number :	69a
Section Name :	Western Garlock section
Date :	N/R
Rule ID :	7
Shape Length :	1218.13428404

Map Id: 25
Direction: NW
Distance: 0.911 mi., 4811 ft.
Elevation: N/R
Relative: N/R

Site Name : Garlock fault, South Branch
35.050916, -118.375937
CA

Database(s) : [SEISMIC - CA]

Envirosite ID: 31169599
EPA ID: N/R

SEISMIC - CA

Fault ID :	69
Fault Age :	HIS
Fault Source :	Clark (1973)
Zone Name :	Garlock fault zone
Line Type :	solid
Line Value :	1
JEN ID :	274
Section Number :	69a
Section Name :	Western Garlock section
Date :	N/R
Rule ID :	7
Shape Length :	864.16603083

Map Id: 26
Direction: NNW
Distance: 0.917 mi., 4842 ft.
Elevation: N/R
Relative: N/R

Site Name : Garlock fault, South Branch
35.062902, -118.357565
CA

Database(s) : [SEISMIC - CA]

Envirosite ID: 31169594
EPA ID: N/R

SEISMIC - CA

Fault ID :	69
Fault Age :	HOL
Fault Source :	Clark (1973)

Map Id: 26
Direction: NNW
Distance: 0.917 mi., 4842 ft.
Elevation: N/R
Relative: N/R

Site Name : Garlock fault, South Branch
35.062902, -118.357565
CA

Database(s) : [SEISMIC - CA] ***(cont.)***

Envirosite ID: 31169594
EPA ID: N/R

SEISMIC - CA ***(cont.)***

Zone Name :	Garlock fault zone
Line Type :	solid
Line Value :	1
JEN ID :	310
Section Number :	69a
Section Name :	Western Garlock section
Date :	N/R
Rule ID :	7
Shape Length :	1642.14003283

ENVIROSITE ID	NAME	ADDRESS	CITY	ZIP	DATABASE(S)
9005981	Belgian Anticline, Mckitt...	Sec 19, T29S, R21E,Mdb&M			LDS - CA
9006061	BELRIDGE, SOUTH, HOPKINS	SECTION 4, T29S, R21E, MD...			LDS - CA
9006096	BELRIDGE, SOUTH, KING	SEC 19 & 30,T28S,R21E,MDB...			LDS - CA
9006144	BELRIDGE, SOUTH, PATRINO	SW 1/4 SEC 12 T28S R20E, ...			LDS - CA
9006232	BELRIDGE, SOUTH, YOUNG ES...	SECTION 11, T29S, R21E, M...			LDS - CA
9006335	BUENA VISTA, ALL SUMPS	S1/2 SEC 14, T31S, R23E, ...			LDS - CA
9006450	CANAL, KCL 58	SEC 14, T30S, R25E, MDB&M			CIWQS - CA, LDS - CA
9006476	CARNEROS CREEK, ANDERSON	SECTION 29, T28S, R20E, M...			LDS - CA
9006516	CARNEROS CREEK, SFE	SECTION 32, T28S, R20E, M...			LDS - CA
41467354	CEMENT WASTE PILE	N/R	MOJAVE		SWAT - CA
9006571	CHICO-MARTINEZ	SECTION 1, T29S, R20E, MD...			CIWQS - CA, LDS - CA
9006718	CYMRIC, ANDERSON COMM	SEC 19, T29S, R21E			CIWQS - CA, LDS - CA
9006847	CYMRIC, SHEEP SPRINGS | C...	SEC 16, T29S, R21E, MDB&M			CIWQS - CA, LDS - CA
9006934	Devils Den Oil Field, Fee...	Sw1/4,Sw1/4,Sec 24,T25S,R...			LDS - CA
9006962	DEVILS DEN, LEBARON	SECTION 24, T25S, R18E, M...			LDS - CA
9007089	EDISON, ANNA RUSH | EDISO...	NE 1/4 SEC 26,T30S,R29E,M...			CIWQS - CA, LDS - CA
9007155	EDISON, BAUGHMAN	NE 1/4, SEC 8,T30S,R29E,M...			CIWQS - CA, LDS - CA
9005655	EDISON, CLINTON LAND CO	SEC 15,T30S,R29E,MDB&M			CIWQS - CA, LDS - CA
9005672	EDISON, EAST PUENTE	SW 1/4, SEC 24, T30, R29			CIWQS - CA, LDS - CA
9005685	EDISON, EDISON	NW 1/4, SEC 6, T30, R29			CIWQS - CA, LDS - CA
9005732	EDISON, F & D | EDISON, M...	SEC 21, T30S,R29E, MDB&M			CIWQS - CA, LDS - CA
9005742	EDISON, GERALD-HAWK	NW1/4,NE1/4,SEC26,T30S,R2...			CIWQS - CA, LDS - CA
9005786	EDISON, GERARD	SE 1/4, SEC 23,T30S,R29E,...			CIWQS - CA, LDS - CA
9005830	EDISON, IRM/MARK MORRIS |...	SW 1/4 SEC 23,T30S,R29E,M...			CIWQS - CA, LDS - CA
9008852	MCKITTRICK, LAYMANCE	SW1/4,NE1/4,SEC20,T30S,R2...			CIWQS - CA, LDS - CA
9008912	MIDWAY-SUNSET	SE1/4, SEC 16,T32S,R23E,M...			LDS - CA
9008923	MIDWAY-SUNSET, C&A BROAD	N/R			CIWQS - CA, LDS - CA
9008960	MIDWAY-SUNSET, ESTHER	SEC 4, T32S, R23E, MDB&M			CIWQS - CA, LDS - CA
8985102	Mobil Exploration	N/R			HIST TOXIC PITS - CA
32491956	OLD TEHACHAPI LANDFILL	SW CORNER DENNISON & HIGH...	TEHACHAPI	93561	ENVIROSTOR - CA, HIS...

FEDERAL RCRA NON-CORRACTS TSD FACILITIES LIST

ARCHIVED RCRA TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 03/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/28/2022

RCRA_TSDF: Resource Conservation and Recovery Act hazardous waste transportation storage disposal and treatment facilities

Agency Version Date: 03/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/28/2022

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS

AST PBS: Bulk petroleum terminals with a total bulk storage capacity of 50,000 barrels or more.

Agency Version Date: 05/17/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/11/2022
Agency: Department of Homeland Security
Agency Contact: 202-853-5361
Most Recent Contact: 05/17/2022

EPA UST: Facilities listed in the EPA UST Finder database

Agency Version Date: 04/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/25/2022
Agency: EPA
Agency Contact: (202) 566-1667
Most Recent Contact: 04/28/2022

FEMA UST: FEMA underground storage tank listing

Agency Version Date: 10/08/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/27/2022
Agency: FEMA
Agency Contact: 202-212-5283
Most Recent Contact: 04/01/2022

HIST INDIAN UST R6: Historical Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 12/03/2021
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/27/2022
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2022

HIST INDIAN UST R7: Historical Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 08/10/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN UST R1: Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 04/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/14/2022
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 04/15/2022

INDIAN UST R10: Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 05/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

INDIAN UST R2: Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 04/19/2022

INDIAN UST R4: Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 05/12/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN UST R5: Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

INDIAN UST R6: Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 03/01/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/27/2022
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 03/01/2022

INDIAN UST R7: Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

INDIAN UST R8: Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 04/14/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/11/2022
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 04/14/2022

INDIAN UST R9: Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 04/14/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/11/2022
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 04/14/2022

AST - CA: Listing of tank facilities that are subject to the California Aboveground Petroleum Storage Act

Agency Version Date: 03/28/2022
Agency Update Frequency: No update
Planned Next Contact: 06/23/2022
Agency: California Environmental Protection Agency Unified Program Section
Agency Contact: 916-327-5092
Most Recent Contact: 03/28/2022

AST_KERN COUNTY - CA: Kern County aboveground storage tank sites

Agency Version Date: 03/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/13/2022
Agency: Kern County Environment Health Division
Agency Contact: 661-862-8774
Most Recent Contact: 03/15/2022

AST_ORANGE COUNTY - CA: Orange county aboveground storage tanks

Agency Version Date: 05/17/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/11/2022
Agency: Orange County Health Care Agency
Agency Contact: 714-433-6000
Most Recent Contact: 05/17/2022

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

AST_PLACER COUNTY - CA: Placer county aboveground storage tank sites

Agency Version Date: 04/20/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/18/2022
Agency: Placer County Environmental Health
Agency Contact: 530-745-2350
Most Recent Contact: 04/20/2022

AST_YOLO COUNTY - CA: Yolo county above ground storage tank sites listing

Agency Version Date: 04/27/2022
Agency Update Frequency: Annually
Planned Next Contact: 07/25/2022
Agency: Yolo County Environmental Health
Agency Contact: 530-666-8646
Most Recent Contact: 04/27/2022

CLOSED UST_VENTURA COUNTY - CA: Ventura County closed underground storage tank site listing

Agency Version Date: 04/29/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/28/2022
Agency: Environmental Health Division
Agency Contact: 805-654-2815
Most Recent Contact: 04/29/2022

FID UST - CA: The State Water Resource Control Board's Facility Inventory Database underground storage tank locations listing

Agency Version Date: 03/10/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/06/2022
Agency: California Environmental Protection Agency
Agency Contact: 916-341-5791
Most Recent Contact: 03/10/2022

HIST UST - CA: Historical UST listing

Agency Version Date: 09/24/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/16/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 03/21/2022

HIST UST_EL SEGUNDO CITY - CA: List of City of El Segundo Underground Storage Tanks that are no longer in current agency list.

Agency Version Date: 01/29/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/17/2022
Agency: City of El Segundo Fire Department
Agency Contact: 310-524-2242
Most Recent Contact: 03/22/2022

HIST UST_KERN COUNTY - CA: List of Kern County underground storage tank records that is no longer in current agency list.

Agency Version Date: 11/28/2018
Agency Update Frequency: Annually
Planned Next Contact: 05/31/2022
Agency: Kern County Environment Health Division
Agency Contact: 661-862-8774
Most Recent Contact: 03/04/2022

HIST UST_SUTTER COUNTY - CA: List of Sutter County Underground Storage Tank records that are no longer in current agency list.

Agency Version Date: 10/22/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/30/2022
Agency: Sutter County Department of Agriculture
Agency Contact: 530-822-7400
Most Recent Contact: 04/06/2022

TANKS_CONTRA COSTA COUNTY - CA: Listing of aboveground storage tanks in Contra Costa County

Agency Version Date: 02/04/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/01/2022
Agency: Contra Costa Health Services Department
Agency Contact: 925-335-3200
Most Recent Contact: 05/03/2022

UST - CA: Listing of active underground storage tank facilities

Agency Version Date: 03/03/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: N/R
Most Recent Contact: 03/03/2022

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

UST_ALAMEDA COUNTY - CA: Alameda County Underground Storage Tank sites

Agency Version Date: 03/03/2022
Agency Update Frequency: Varies
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 03/03/2022

UST_CITY OF LONG BEACH - CA: City of Long Beach underground storage tank sites

Agency Version Date: 06/29/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 08/03/2022
Agency: City of Long Beach Fire Department
Agency Contact: 562-570-6782
Most Recent Contact: 05/05/2022

UST_CITY OF TORRANCE - CA: City of Torrance underground storage tank sites

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/20/2022
Agency: City of Torrance Fire Department
Agency Contact: 310-618-2872
Most Recent Contact: 04/22/2022

UST_EL SEGUNDO CITY - CA: City of El Segundo Underground Storage Tanks

Agency Version Date: 01/29/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/27/2022
Agency: City of El Segundo Fire Department
Agency Contact: 310-524-2242
Most Recent Contact: 03/31/2022

UST_KERN COUNTY - CA: Kern County underground storage tank sites

Agency Version Date: 03/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/13/2022
Agency: Kern County Environment Health Division
Agency Contact: 661-862-8774
Most Recent Contact: 03/15/2022

UST_MARIN COUNTY - CA: Marin county underground storage tank sites

Agency Version Date: 08/04/2018
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/29/2022
Agency: Marin County Department of Public Works
Agency Contact: 415-473-5051
Most Recent Contact: 05/02/2022

UST_MENDOCINO COUNTY - CA: A listing of underground storage tank locations in Mendocino County

Agency Version Date: 03/03/2022
Agency Update Frequency: Varies
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 03/03/2022

UST_NAPA COUNTY - CA: Underground storage tank sites located in Napa county.

Agency Version Date: 03/03/2022
Agency Update Frequency: Varies
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 03/03/2022

UST_ORANGE COUNTY - CA: Orange county underground storage tanks

Agency Version Date: 05/10/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/05/2022
Agency: Orange County Health Care Agency
Agency Contact: 714-433-6000
Most Recent Contact: 05/10/2022

UST_PLACER COUNTY - CA: Placer county underground storage tank sites

Agency Version Date: 04/20/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/18/2022
Agency: Placer County Environmental Health
Agency Contact: 530-745-2350
Most Recent Contact: 04/20/2022

FEDERAL, STATE, AND TRIBAL REGISTERED STORAGE TANK LISTS (cont.)

UST_RIVERSIDE COUNTY - CA: Riverside county underground storage tank sites

Agency Version Date: 03/03/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: N/R
Most Recent Contact: 03/03/2022

UST_SAN FRANCISCO COUNTY - CA: San Francisco county Underground storage tank sites listing

Agency Version Date: 02/25/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/19/2022
Agency: San Francisco Department of Public Health
Agency Contact: N/R
Most Recent Contact: 05/23/2022

UST_SAN JOAQUIN COUNTY - CA: San Joaquin County Underground storage tank sites listing

Agency Version Date: 03/03/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 03/03/2022

UST_SOLANO COUNTY - CA: Solano county underground storage tank listing

Agency Version Date: 03/03/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 05/30/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: N/R
Most Recent Contact: 03/03/2022

UST_SUTTER COUNTY - CA: Sutter county underground storage tank listing

Agency Version Date: 04/19/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/15/2022
Agency: Sutter County Department of Agriculture
Agency Contact: 530-822-7400
Most Recent Contact: 04/19/2022

UST_YOLO COUNTY - CA: Yolo county underground storage tank sites listing

Agency Version Date: 05/02/2022
Agency Update Frequency: Annually
Planned Next Contact: 07/29/2022
Agency: Yolo County Environmental Health
Agency Contact: 530-666-8646
Most Recent Contact: 05/02/2022

FEDERAL CERCLIS LIST

CERCLIS NFRAP: The CERCLIS sites with No Further Remedial Action Planned from the CERCLIS program database. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/26/2022

CERCLIS-HIST: The CERCLIS program database contains information on the assessment and remediation of federal hazardous waste sites. The Environmental Protection Agency decommissioned the CERCLIS data in 2014. The last update was November 12, 2013.

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/26/2022

EPA SAA: Listing of Sites with Superfund Alternative Approach Agreements.

Agency Version Date: 11/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/21/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 04/25/2022

FEDERAL CERCLIS LIST (cont.)

FEDERAL FACILITY: Sites where Federal Facilities Restoration and Reuse Office (FFRRO) arranged cleanup for Base Closure and Property Transfer at Federal Facilities

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8712
Most Recent Contact: 04/26/2022

SEMS_8R_ACTIVE SITES: The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. NPL sites include latitude and longitude information. For non-NPL sites, a brief site status is provided.

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

SEMS_8R_ARCHIVED SITES: The Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

FEDERAL RCRA CORRACTS FACILITIES LIST

CORRACTS: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases

Agency Version Date: 03/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 03/28/2022

HIST CORRACTS 2: List of facilities where Resource Conservation and Recovery Act Corrective Action Program used to investigate and remediate hazardous releases that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-1667
Most Recent Contact: 05/23/2022

FEDERAL DELISTED NPL SITE LIST

DELISTED NPL: National Priority List of sites that were delisted and no longer require action

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

DELISTED PROPOSED NPL: Sites that have been delisted from the proposed National Priority List

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

SEMS_DELETED NPL: All Deleted National Priority List Sties

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

FEDERAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

EPA LF MOP: Sites in the EPA Landfill Methane Outreach Program

Agency Version Date: 03/25/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/21/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/25/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS

EPA LUST: Releases listed in the EPA UST Finder database

Agency Version Date: 04/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/25/2022
Agency: EPA
Agency Contact: (202) 566-1667
Most Recent Contact: 04/28/2022

HIST INDIAN LUST R4: Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 08/23/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

HIST INDIAN LUST R8: Historical Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 08/16/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/29/2022
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 05/04/2022

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land in EPA Region 1

Agency Version Date: 04/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/14/2022
Agency: U.S. Environmental Protection Agency Region 1
Agency Contact: 855-246-3642
Most Recent Contact: 04/15/2022

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land in EPA Region 10

Agency Version Date: 05/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 10
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN LUST R2: Leaking Underground Storage Tanks on Indian Land in EPA Region 2

Agency Version Date: 12/07/2016
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: U.S. Environmental Protection Agency Region 2
Agency Contact: 855-246-3642
Most Recent Contact: 04/19/2022

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land in EPA Region 4

Agency Version Date: 05/12/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 08/08/2022
Agency: U.S. Environmental Protection Agency Region 4
Agency Contact: 855-246-3642
Most Recent Contact: 05/12/2022

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land in EPA Region 5

Agency Version Date: 04/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 5
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land in EPA Region 6

Agency Version Date: 05/02/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/28/2022
Agency: U.S. Environmental Protection Agency Region 6
Agency Contact: 855-246-3642
Most Recent Contact: 05/02/2022

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land in EPA Region 7

Agency Version Date: 08/10/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/25/2022
Agency: U.S. Environmental Protection Agency Region 7
Agency Contact: 855-246-3642
Most Recent Contact: 04/28/2022

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land in EPA Region 8

Agency Version Date: 05/03/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/29/2022
Agency: U.S. Environmental Protection Agency Region 8
Agency Contact: 855-246-3642
Most Recent Contact: 05/03/2022

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land in EPA Region 9

Agency Version Date: 04/14/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/11/2022
Agency: U.S. Environmental Protection Agency Region 9
Agency Contact: 855-246-3642
Most Recent Contact: 04/14/2022

HIST LUST_SONOMA COUNTY - CA: List of Sonoma County leaking underground storage tank sites that is no longer in current agency list.

Agency Version Date: 08/23/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/27/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 03/31/2022

LUFT_ALAMEDA COUNTY - CA: Listing of Alameda County leaking underground fuel tank sites

Agency Version Date: 11/18/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 08/11/2022
Agency: Alameda County Environmental Health Services
Agency Contact: 510-567-6721
Most Recent Contact: 05/16/2022

LUST ORANGE COUNTY - CA: Orange county leaking underground storage tanks

Agency Version Date: 07/29/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/14/2022
Agency: Orange County Health Care Agency
Agency Contact: 714-433-6000
Most Recent Contact: 04/18/2022

LUST REG 1 - CA: Leaking underground storage tanks in Region 1: Del Norte Glenn Humboldt Lake Marin Mendocino Modoc Siskiyou Sonoma andTrinity counties.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 2 - CA: Leaking underground storage tanks in Region 2: Alameda Contra Costa San Francisco Santa Clara (north of Morgan Hill) San Mateo Marin Sonoma Napa Solano counties

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

LUST REG 3 - CA: Leaking underground storage tanks in Region 3: Santa Clara (south of Morgan Hill) San Mateo (southern part) Santa Cruz SanBenito Monterey Kern (some parts) San Luis Obispo Santa Barbara Ventura(northern part) counties

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 4 - CA: Leaking underground storage tanks in Region 4: Los Angeles Ventura counties (Small parts of Kern and Santa Barbara counties).

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 5 - CA: Leaking underground storage tanks in Region 5: Modoc Shasta Lassen Plumas Butte Glen Colusa Lake Sutter Yuba Sierra Nevada Placer Yolo Napa (Northeast) Solano (West) Sacramento El Dorado Amador Calaveras San Joaquin Contra Costa (East) Stanislaus Toulumne Merced Mariposa Madera Kings Fresno Tulare Kern (Very small portions of San Benito and SanLuis Obispo) counties

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 6 - CA: Leaking underground storage tanks in Region 6: Modoc (East) Lassen (East side and Eagle Lake) Sierra Nevada Placer El Dorado Alpine Mono Inyo Kern (East) San Bernardino Los Angeles (Northeast corner) counties

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 7 - CA: Leaking underground storage tanks in Region 7: Imperial San Bernardino Riverside and San Diego counties.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 8 - CA: Leaking underground storage tanks in Region 8: Orange Riverside San Bernardino counties.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST REG 9 - CA: Leaking underground storage tanks in Region 9: San Diego Imperial Riverside counties.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LUST_HAZMAT_YOLO COUNTY - CA: Yolo county leaking underground storage tank sites listing

Agency Version Date: 01/21/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/15/2022
Agency: Yolo County Environmental Health
Agency Contact: 530-666-8646
Most Recent Contact: 04/19/2022

LUST_KERN COUNTY - CA: Kern County leaking underground tank sites

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control bo
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

LUST_RIVERSIDE COUNTY - CA: Riverside county leaking underground storage tank sites

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

LUST_SAN FRANCISCO COUNTY - CA: A listing of leaking underground storage tank sites located in San Francisco county.

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

LUST_SAN MATEO COUNTY - CA: San Mateo county leaking underground storage tank listing

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

LUST_SOLANO COUNTY - CA: Solano county leaking underground storage tank listing

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

LUST_SONOMA COUNTY - CA: Sonoma county leaking underground storage tank sites listing

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

LUST_SUTTER COUNTY - CA: Sutter County Leaking Underground Storage Tanks

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

LUST_VENTURA COUNTY - CA: Ventura County leaking underground storage tank site listing

Agency Version Date: 04/19/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: CA Gov geotracker state water resources control board
Agency Contact: 916-341-5791
Most Recent Contact: 04/19/2022

SLIC REG 1 - CA: List of Region 1 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 2 - CA: List of Region 2 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 3 - CA: List of Region 3 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

FEDERAL, STATE, AND TRIBAL LEAKING STORAGE TANK LISTS (cont.)

SLIC REG 4 - CA: List of Region 4 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 5 - CA: List of Region 5 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 6 - CA: List of Region 6 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database that is no longer in current agency list.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 7 - CA: List of Region 7 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 8 - CA: List of Region 8 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC REG 9 - CA: List of Region 9 sites from GeoTracker Site Cleanup Program (formerly known as SLIC) database that is no longer in current agency list.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SLIC_ALAMEDA COUNTY - CA: Listing of spills leaks investigation & cleanup sites

Agency Version Date: 01/16/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 07/27/2022
Agency: Alameda County Environmental Health Services
Agency Contact: 510-567-6721
Most Recent Contact: 05/02/2022

FEDERAL ERNS LIST

ERNS: Emergency Response Notification System records of reported spills

Agency Version Date: 04/19/2022
Agency Update Frequency: Annually
Planned Next Contact: 07/15/2022
Agency: National Response Center United States Coast Guard
Agency Contact: N/R
Most Recent Contact: 04/19/2022

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES

FED E C: Federal listing of remediation sites with engineering controls

Agency Version Date: 05/20/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/16/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 05/20/2022

FEDERAL INSTITUTIONAL CONTROLS / ENGINEERING CONTROLS REGISTRIES (cont.)

FED I C: Federal listing of remediation sites with institutional controls

Agency Version Date: 05/20/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/16/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 05/20/2022

RCRA IC_EC: Sites with institutional or engineering controls related to Resource Conservation and Recovery Act

Agency Version Date: 05/03/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/29/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/03/2022

FEDERAL RCRA GENERATORS LIST

HIST RCRA_CESQG: List of Resource Conservation and Recovery Act licensed conditionally exempt small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

HIST RCRA_LQG: List of Resource Conservation and Recovery Act licensed large quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

HIST RCRA_NONGEN: List of Resource Conservation and Recovery Act licensed non-generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

HIST RCRA_SQG: List of Resource Conservation and Recovery Act licensed small quantity generators that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 05/23/2022

RCRA_LQG: Resource Conservation and Recovery Act listing of licensed large quantity generators

Agency Version Date: 03/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/28/2022

RCRA_NONGEN: Resource Conservation and Recovery Act listing of licensed non-generators

Agency Version Date: 03/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/28/2022

RCRA_SQG: Resource Conservation and Recovery Act listing of licensed small quantity generators

Agency Version Date: 03/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/28/2022

FEDERAL RCRA GENERATORS LIST (cont.)

RCRA_VSQG: Resource Conservation and Recovery Act listing of licensed very small quantity generators.

Agency Version Date: 03/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 215-814-2469
Most Recent Contact: 03/28/2022

FEDERAL NPL SITE LIST

NPL: List of priority contaminated sites among identified releases or threatened releases of hazardous substances pollutants or contaminants nationally

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

NPL EPA R1 GIS: Geospatial data for the Environmental Protection Agency Region 1 National Priority List subject to environmental regulation

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 04/26/2022

NPL EPA R3 GIS: Geospatial data for the Environmental Protection Agency Region 3 National Priority List subject to environmental regulation

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 04/26/2022

NPL EPA R6 GIS: Geospatial data for the Environmental Protection Agency Region 6 National Priority List subject to environmental regulation

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 04/26/2022

NPL EPA R8 GIS: Geospatial data for the Environmental Protection Agency Region 8 National Priority List subject to environmental regulation

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 04/26/2022

NPL EPA R9 GIS: Geospatial data for the Environmental Protection Agency Region 9 National Priority List subject to environmental regulation

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 202-566-2132
Most Recent Contact: 04/26/2022

PART NPL: Sites that are a part of an National Priority List site referred to as the parent site

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

FEDERAL NPL SITE LIST (cont.)

PROPOSED NPL: Sites that have been proposed for the National Priority List

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

SEMS_FINAL NPL: All Included National Priority List Sites

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

SEMS_PROPOSED NPL: All Proposed National Priority List Sites

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

STATE- AND TRIBAL - EQUIVALENT CERCLIS

ENVIROSTOR - CA: Department of Toxic Substances Controls

Agency Version Date: 03/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/16/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-327-1077
Most Recent Contact: 03/21/2022

HIST TOXIC PITS - CA: Listing of Toxic Pit Cleanup Act sites that are no longer in current agency list.

Agency Version Date: 10/12/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 07/01/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5810
Most Recent Contact: 04/06/2022

OIL & GAS CLEANUP - CA: List of SWRCB Oil & Gas Cleanup Sites from GeoTracker Site Cleanup Program database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: California Regional Water Quality Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SWRCB CLEANUP - CA: List of SWRCB Cleanups from Geotracker including CAF, Sampling Points, and Projects.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: California Regional Water Quality Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

SWRCB NON_CASE - CA: List of SWRCB Non-Case sites from GeoTracker Site Cleanup Program database.

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: California Regional Water Quality Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

TOXIC PITS - CA: Listing of Toxic Pit Cleanup Act sites

Agency Version Date: 01/10/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/04/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5810
Most Recent Contact: 04/06/2022

STATE- AND TRIBAL - EQUIVALENT NPL

HIST RESPONSE - CA: List of state response sites with confirmed releases and potential high risk that are no longer in current agency list.

Agency Version Date: 10/17/2017
Agency Update Frequency: Annually
Planned Next Contact: 08/08/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-327-1077
Most Recent Contact: 05/12/2022

RESPONSE - CA: State response sites with confirmed releases and potential high risk

Agency Version Date: 03/21/2022
Agency Update Frequency: Annually
Planned Next Contact: 06/16/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-327-1077
Most Recent Contact: 03/21/2022

STATE AND TRIBAL LANDFILL AND/OR SOLID WASTE DISPOSAL SITE LISTS

HIST SWF/LF - CA: List of Solid Waste Information System's solid waste facilities and landfills that is no longer in current agency list.

Agency Version Date: 03/05/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/04/2022
Agency: Department of Resources Recycling and Recovery
Agency Contact: 916-341-6066
Most Recent Contact: 05/09/2022

SWF/LF - CA: Solid Waste Information System's facility listing of solid waste facilities and landfills

Agency Version Date: 03/10/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/06/2022
Agency: Department of Resources Recycling and Recovery
Agency Contact: 916-341-6066
Most Recent Contact: 03/10/2022

STATE RCRA GENERATORS LIST

HWG - CA: Hazardous waste generator listing

Agency Version Date: 12/22/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 06/14/2022
Agency: Department of Toxic Substances Control
Agency Contact: N/R
Most Recent Contact: 03/18/2022

HWG_YOLO COUNTY - CA: Listing of permitted hazardous waste generators

Agency Version Date: 01/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/15/2022
Agency: Yolo County Environmental Health
Agency Contact: 530-666-8646
Most Recent Contact: 04/19/2022

STATE AND TRIBAL BROWNFIELD SITES

TRIBAL BROWNFIELDS: Tribal brownfield remediation site listing

Agency Version Date: 02/10/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/10/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/16/2022

STATE AND TRIBAL VOLUNTARY CLEANUP SITES

VCP - CA: Voluntary Cleanup Program remediation sites listing

Agency Version Date: 03/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/16/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/21/2022

LOCAL BROWNFIELD LISTS

BROWNFIELDS-ACRES: EPA Brownfields Assessment, Cleanup and Redevelopment Exchange System.

Agency Version Date: 09/17/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 06/06/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/10/2022

FED BROWNFIELDS: Federal brownfield remediation sites

Agency Version Date: 01/24/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/18/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/21/2022

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES

FED CDL: The U.S. Department of Justice listing of clandestine drug lab locations

Agency Version Date: 04/11/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/07/2022
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 04/11/2022

US HIST CDL: The U.S. Department of Justice historical listing of clandestine drug lab locations

Agency Version Date: 08/05/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 08/11/2022
Agency: U.S. Department of Justice
Agency Contact: 202-307-7610
Most Recent Contact: 05/16/2022

CALARP_KERN COUNTY - CA: Kern County hazardous material permitted facilities

Agency Version Date: 02/24/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/18/2022
Agency: County of Kern Public Health Services Department
Agency Contact: 661-862-8740
Most Recent Contact: 05/23/2022

CASE LIST_SAN DIEGO COUNTY - CA: San Diego county listing of hazardous chemical releases

Agency Version Date: 04/22/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2022
Agency: County of San Diego Department of Environmental Health
Agency Contact: 619-338-2259
Most Recent Contact: 04/22/2022

CDL - CA: Listing of Meth and clandestine drug labs maintained by the Department of Toxic Substances Control

Agency Version Date: 07/30/2020
Agency Update Frequency: Varies
Planned Next Contact: 07/01/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 04/05/2022

CORRECTIVE ACTION_RIVERSIDE COUNTY - CA: Riverside county corrective action sites list

Agency Version Date: 11/15/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/09/2022
Agency: Riverside County Environmental Health
Agency Contact: 888-722-4234
Most Recent Contact: 03/15/2022

CS_NAPA COUNTY - CA: Napa county listing of Contaminated sites

Agency Version Date: 04/26/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: Napa County Department of Environmental Management
Agency Contact: 707-253-4471
Most Recent Contact: 04/26/2022

LOCAL LISTS OF HAZARDOUS WASTE / CONTAMINATED SITES (cont.)

CS_PLACER COUNTY - CA: Placer county cleanup sites listing

Agency Version Date: 04/20/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/18/2022
Agency: Placer County Environmental Health
Agency Contact: 530-745-2350
Most Recent Contact: 04/20/2022

SCH - CA: Listing of possible hazardous material contamination sites on existing school properties

Agency Version Date: 04/22/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 04/22/2022

SITE LIST_CONTRA COSTA COUNTY - CA: Listing of underground tank hazardous waste generator and business plan sites in Contra Costa County

Agency Version Date: 02/04/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/01/2022
Agency: Contra Costa Health Services Department
Agency Contact: 925-335-3200
Most Recent Contact: 05/03/2022

TOXIC SITE_SACRAMENTO COUNTY - CA: Sacramento County listing of historical sites where unauthorized releases of potentially hazardous materials have occurred

Agency Version Date: 08/24/2021
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 08/08/2022
Agency: Sacramento County Environmental Management
Agency Contact: 916-875-8550
Most Recent Contact: 05/12/2022

RECORDS OF EMERGENCY RELEASE REPORTS

HMIRS (DOT): Hazardous Material spills reported by the Department of Transportation

Agency Version Date: 03/18/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/14/2022
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 03/18/2022

CHMIRS - CA: California Hazardous Material Incident Reporting System's reported accidental hazardous material incidents releases or spills

Agency Version Date: 04/08/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/05/2022
Agency: California Emergency Management Agency
Agency Contact: 916-845-8275
Most Recent Contact: 04/08/2022

HIST CHMIRS - CA: California Hazardous Material Incident Reporting System's reported accidental hazardous material incidents releases or spills

Agency Version Date: 04/06/2017
Agency Update Frequency: Quarterly
Planned Next Contact: 08/04/2022
Agency: California Emergency Management Agency
Agency Contact: 916-845-8275
Most Recent Contact: 05/09/2022

INDUSTRIAL CLEANUP_ORANGE COUNTY - CA: Petroleum and non-petroleum industrial spills

Agency Version Date: 02/23/2022
Agency Update Frequency: Annually
Planned Next Contact: 08/18/2022
Agency: Orange County Health Care Agency
Agency Contact: 714-433-6000
Most Recent Contact: 05/23/2022

SML_LOS ANGELES COUNTY - CA: Listing of all Emergency Response session spills

Agency Version Date: 07/12/2017
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: Los Angeles Department of Public Health
Agency Contact: 323-890-7808
Most Recent Contact: 04/22/2022

LOCAL LAND RECORDS

LIENS 2: Comprehensive Environmental Response Compensation and Liability Act sites with liens

Agency Version Date: 05/11/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/13/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 800-424-9346
Most Recent Contact: 03/16/2022

DEED - CA: The Department of Toxic Substances Control's listing of property locations with Deed restrictions

Agency Version Date: 04/25/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/21/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-341-5791
Most Recent Contact: 04/25/2022

HIST LIENS - CA: The Department of Toxic Substances Control's listing of property locations with environmental liens that is no longer in current agency list.

Agency Version Date: 12/04/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/02/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 05/06/2022

LIENS - CA: The Department of Toxic Substances Control's listing of property locations with environmental liens

Agency Version Date: 03/09/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/06/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/09/2022

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES

HIST INDIAN ODI R8: List of Region 8 Indian land open dump inventory sites maintained within the STARS program that is no longer in current agency list.

Agency Version Date: 11/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 07/04/2022
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 04/07/2022

INDIAN ODI R8: Region 8 Indian land open dump inventory sites maintained within the STARS program

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/21/2022
Agency: Indian Health Service
Agency Contact: 855-246-3642
Most Recent Contact: 04/26/2022

ODI: Open dump inventory sites

Agency Version Date: 10/03/2017
Agency Update Frequency: No Update
Planned Next Contact: 08/05/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 05/10/2022

TRIBAL ODI: Indian land open dump inventory for all regions

Agency Version Date: 05/19/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/15/2022
Agency: Indian Health Service
Agency Contact: 301-443-3593
Most Recent Contact: 05/19/2022

HAULERS - CA: Waste Tire Manifest Program Hauler Registration listing

Agency Version Date: 03/25/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/21/2022
Agency: California Department of Resources Recycling and Recovery (CalRecycle)
Agency Contact: 916-341-6066
Most Recent Contact: 03/25/2022

LOCAL LISTS OF LANDFILL / SOLID WASTE DISPOSAL SITES (cont.)

LF_SAN DIEGO COUNTY - CA: San Diego county landfill listing

Agency Version Date: 04/22/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/20/2022
Agency: County of San Diego Department of Environmental Health
Agency Contact: 858-694-2801
Most Recent Contact: 04/22/2022

SWF_LOS ANGELES COUNTY - CA: Listing of Los Angeles County solid waste facilities

Agency Version Date: 02/23/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/16/2022
Agency: LA County Department of Public Works
Agency Contact: 800-320-1771
Most Recent Contact: 05/20/2022

SWRCY - CA: Listing of facilities which perform recycled material processing activities

Agency Version Date: 05/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/08/2022
Agency: California Department of Resources Recycling and Recovery (CalRecycle)
Agency Contact: 916-341-6066
Most Recent Contact: 05/12/2022

OTHER ASCERTAINABLE RECORDS

AFS: Air Facility Systems Quarterly Extract

Agency Version Date: 04/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/25/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/28/2022

ALT FUELING: Alternative Fueling Stations by fuel type.

Agency Version Date: 03/25/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/21/2022
Agency: U.S. Department of Energy
Agency Contact: N/R
Most Recent Contact: 03/25/2022

ARENAS: List of Arenas and Sport Venues

Agency Version Date: 05/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/09/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 05/13/2022

ARENAS 2: List of Convention Centers and Fairgrounds

Agency Version Date: 05/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/09/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 05/13/2022

BRS: Reporting of hazardous waste generation and management from large quantity generators

Agency Version Date: 03/28/2022
Agency Update Frequency: Biennial
Planned Next Contact: 06/22/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/28/2022

CDC HAZDAT: The Agency for Toxic Substances and Disease Registry's Hazardous Substance Release/Health Effects Database.

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: Agency for Toxic Substances and Disease Registry
Agency Contact: 770-488-6399
Most Recent Contact: 04/26/2022

OTHER ASCERTAINABLE RECORDS (cont.)

CHURCHES: List of places of worship

Agency Version Date: 05/16/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/11/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 05/16/2022

COAL ASH DOE: List of existing and planned generators with 1 megawatt or greater of combined capacity that are utilizing coal ash impoundments.

Agency Version Date: 03/22/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/16/2022
Agency: Department of Energy
Agency Contact: (202) 586-8800
Most Recent Contact: 03/22/2022

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

Agency Version Date: 02/18/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/28/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/29/2022

COAL GAS: Manufactured Gas Plant locations

Agency Version Date: 04/05/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/01/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/04/2022

COLLEGES: List of major Universities & Colleges

Agency Version Date: 04/15/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/13/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 04/15/2022

COLLEGES 2: List of Universities & Colleges

Agency Version Date: 04/18/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/14/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 04/18/2022

CONSENT (DECREES): Legal decisions regarding responsibility for Superfund locations

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 04/26/2022

CORRECTIVE ACTIONS_2020: In 2009 the EPA created the 2020 Corrective Action Baseline list of contaminated or potentially contaminated sites with a cleanup goal to complete 95% by the year 2020. The names on the list indicate the facility owners who may or may not have caused the contamination.

Agency Version Date: 12/21/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/15/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 04/19/2022

DEBRIS EPA LF: EPA list of designated landfill facilities for the safe disposal of disaster debris.

Agency Version Date: 04/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/08/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/12/2022

OTHER ASCERTAINABLE RECORDS (cont.)

DEBRIS EPA SWRCY: EPA list of facilities for the safe recovery, recycling, and disposal of disaster debris.

Agency Version Date: 04/12/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/08/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 04/12/2022

DOD: Department of Defense sites from the Protected Areas Database (PAD-US)

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: United States Geologic Survey (USGS)
Agency Contact: 1-888-275-8747
Most Recent Contact: 04/26/2022

DOT OPS: Incident Data Report

Agency Version Date: 05/12/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/08/2022
Agency: U.S. Department of Transportation
Agency Contact: (202) 366-4996
Most Recent Contact: 05/12/2022

ENOI: The Electronic Notice of Intent (eNOI) database contains construction sites and industrial facilities that submit permit requests to EPA for Construction General Permits (CGP) and Multi-Sector General Permits (MSGP).

Agency Version Date: 03/19/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 06/02/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/08/2022

EPA FUELS: List of companies and facilities registered to participate in EPA Fuel Programs under Title 40 CFR Part 80.

Agency Version Date: 05/03/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/28/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 05/03/2022

EPA OSC: Listing of oil spills and hazardous substance release sites requiring EPA On-Site Coordinators.

Agency Version Date: 03/17/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/13/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 03/17/2022

EPA WATCH: The EPA Watch List was used 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. EPA maintained the lists from 2011 - 2013.

Agency Version Date: 02/09/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/13/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 03/16/2022

FEDLAND: Federal Lands from the Protected Areas Database (PAD-US)

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: United States Geologic Survey (USGS)
Agency Contact: 1-888-275-8747
Most Recent Contact: 04/26/2022

FTTS: Tracking of administrative and enforcement activities related to FIFRA/TSCA

Agency Version Date: 04/06/2013
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/28/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 04/01/2022

OTHER ASCERTAINABLE RECORDS (cont.)

FTTS INSP: Tracking of inspections related to FIFRA/TSCA

Agency Version Date: 05/08/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/21/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2280
Most Recent Contact: 03/25/2022

FUDS: Defense sites that require cleanup

Agency Version Date: 05/05/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/01/2022
Agency: US Army Corps of Engineering
Agency Contact: (202) 761-0011
Most Recent Contact: 05/05/2022

GOV MANSIONS: List of Governors Mansions

Agency Version Date: 05/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/09/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 05/13/2022

HIST AFS: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 06/14/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 06/10/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/16/2022

HIST AFS 2: List of Air Facility Systems Quarterly Extract that are no longer in current agency list.

Agency Version Date: 11/26/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 07/11/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/14/2022

HIST DOD: Department of Defense historical sites

Agency Version Date: 01/28/2022
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/22/2022
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 04/26/2022

HIST LEAD_SMELTER: List of former lead smelter sites that is no longer in current agency list.

Agency Version Date: 12/12/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/28/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/01/2022

HIST MLTS: List of sites in possession/use of radioactive materials regulated by NRC that is no longer in current agency list.

Agency Version Date: 07/13/2016
Agency Update Frequency: Annually
Planned Next Contact: 07/07/2022
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 04/11/2022

HIST PCB TRANS: List of PCB Disposal Facilities that are no longer in current agency list.

Agency Version Date: 01/18/2018
Agency Update Frequency: No Update
Planned Next Contact: 07/28/2022
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 05/03/2022

HIST SSTS: List of tracking of facilities who produce pesticides and their quantity that are no longer in current agency list.

Agency Version Date: 02/13/2019
Agency Update Frequency: Annually
Planned Next Contact: 07/29/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 05/05/2022

OTHER ASCERTAINABLE RECORDS (cont.)

HOSPITALS: List of major Hospitals

Agency Version Date: 04/15/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/13/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 04/15/2022

HWC DOCKET: Listing of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste.

Agency Version Date: 11/09/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 07/29/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 564-2307
Most Recent Contact: 05/03/2022

INDIAN RESERVATION: American Indian Lands from the Protected Areas Database (PAD-US)

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: United States Geologic Survey (USGS)
Agency Contact: 1-888-275-8747
Most Recent Contact: 04/26/2022

LUCIS: Land Use Control Information Systems

Agency Version Date: 03/18/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/16/2022
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 03/18/2022

LUCIS 2: Land Use Control Information Systems

Agency Version Date: 01/17/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/28/2022
Agency: Department of the Navy: BRAC PMO
Agency Contact: (619) 532-0900
Most Recent Contact: 05/03/2022

MANIFEST EPA: EPA Hazardous Waste Electronic Manifest System (e-Manifest)

Agency Version Date: 02/08/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/02/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 05/06/2022

MINE OPERATIONS: Mine plants and operations for commodities monitored by the National Minerals Information Center of the USGS

Agency Version Date: 05/10/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/05/2022
Agency: USGS Mineral Resources Program
Agency Contact: (703) 648-5953
Most Recent Contact: 05/10/2022

MINES: Mines Master Index Files

Agency Version Date: 03/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/23/2022
Agency: Department of Labor
Agency Contact: (202) 693-9400
Most Recent Contact: 03/28/2022

MINES USGS: Listing of all active mines and mineral plants in 2003

Agency Version Date: 05/10/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/05/2022
Agency: USGS Mineral Resources Program
Agency Contact: (703) 648-5953
Most Recent Contact: 05/10/2022

OTHER ASCERTAINABLE RECORDS (cont.)

MLTS: Sites in possession/use of radioactive materials regulated by NRC

Agency Version Date: 01/21/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/15/2022
Agency: Nuclear Regulatory Commission
Agency Contact: (800) 397-4209
Most Recent Contact: 04/19/2022

NPL AOC: Areas of Concern related to NPL remediation sites

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: Environmental Protection Agency
Agency Contact: N/R
Most Recent Contact: 04/26/2022

NPL LIENS: National Priority List of sites with Liens

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

NURSING HOMES: List of Nursing Homes

Agency Version Date: 04/12/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/08/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 04/12/2022

OSHA: OSHA's listing of inspections violations and fatality information

Agency Version Date: 03/24/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/20/2022
Agency: Occupational Safety & Health Administration
Agency Contact: 800-321-6742
Most Recent Contact: 03/24/2022

PADS: Listing of generators transporters commercial store/ brokers and disposers of PCB

Agency Version Date: 04/26/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 04/26/2022

PCB TRANSFORMER: Disposal and Storage of Polychlorinated Biphenyl (PCB) Waste

Agency Version Date: 02/11/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/05/2022
Agency: Environmental Protection Agency
Agency Contact: (703) 308-8404
Most Recent Contact: 05/10/2022

PFAS NPL: List of NPL sites with PFAS or PFOA contamination

Agency Version Date: 04/29/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/26/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/29/2022

PFAS TRIS: List of TRIS sites where PFAS or PFOA are used/manufactured/ treated/ transported/released.

Agency Version Date: 03/25/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/21/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/25/2022

PFAS UCMR3: List of PWS wells sampled for Unregulated Contaminant Monitoring Rule (UCMR)

Agency Version Date: 03/08/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/02/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 03/08/2022

OTHER ASCERTAINABLE RECORDS (cont.)

RAATS: Listing of major violators with enforcement actions issued under RCRA. Includes administrative and civil actions filed by the EPA. This dataset is no longer maintained.

Agency Version Date: 09/23/2019
Agency Update Frequency: Varies
Planned Next Contact: 07/14/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/18/2022

RADINFO: EPA regulated facilities with radiation and radioactive materials

Agency Version Date: 08/01/2019
Agency Update Frequency: Varies
Planned Next Contact: 06/30/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 04/06/2022

RMP: Facilities producing/handling/ process/ distribute/ store specific chemicals report plans required by the Clean Air Act

Agency Version Date: 04/01/2022
Agency Update Frequency: Monthly
Planned Next Contact: 06/28/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 564-2534
Most Recent Contact: 04/01/2022

ROD: Permanent remedy at an NPL site

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: Environmental Protection Agency
Agency Contact: (800) 424-9346
Most Recent Contact: 04/26/2022

SCHOOLS PRIVATE: List of Private Schools

Agency Version Date: 04/15/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/13/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 04/15/2022

SCHOOLS PUBLIC: List of Public Schools

Agency Version Date: 04/15/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/13/2022
Agency: DHS Homeland Infrastructure Foundation
Agency Contact: N/R
Most Recent Contact: 04/15/2022

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners

Agency Version Date: 03/02/2022
Agency Update Frequency: No Update
Planned Next Contact: 05/27/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/02/2022

SEMS_SMELTER: This report includes sites that have smelting-related, or potentially smelting-related, indicators in the SEMS database. The report includes information on the site location as well as contaminants of concern.

Agency Version Date: 01/28/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 703-603-8867
Most Recent Contact: 04/26/2022

SSTS: Tracking of facilities who produce pesticides and their quantity

Agency Version Date: 03/08/2022
Agency Update Frequency: Annually
Planned Next Contact: 06/02/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/08/2022

OTHER ASCERTAINABLE RECORDS (cont.)

STORMWATER: Permitted storm water sites

Agency Version Date: 03/18/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/14/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/18/2022

TOSCA-PLANT: Plants controlled by the Toxic Substance Control Act

Agency Version Date: 03/14/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/09/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/14/2022

TRIS: Information regarding toxic chemicals that are being used/manufactured/ treated/ transported/released into the environment

Agency Version Date: 03/25/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/21/2022
Agency: Environmental Protection Agency
Agency Contact: (202) 566-1667
Most Recent Contact: 03/25/2022

UMTRA: Uranium Recovery Sites

Agency Version Date: 03/25/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/21/2022
Agency: United States Nuclear Regulatory Commission
Agency Contact: (301) 415-8200
Most Recent Contact: 03/25/2022

VAPOR: EPA Vapor Intrusion Database

Agency Version Date: 03/19/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/03/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 855-246-3642
Most Recent Contact: 03/08/2022

AOC_SAN GABRIEL VALLEY - CA: San Gabriel Valley Superfund sites

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: U.S. Environmental Protection Agency
Agency Contact: 415-972-3181
Most Recent Contact: 04/26/2022

BOND EXPENDITURE PLAN - CA: Hazardous Substance Cleanup Bond Act of 1984 Article 7.5 of Health and Safety Code 25385 listing of orphan sites

Agency Version Date: 03/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/16/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/21/2022

BP HW OUT_VENTURA COUNTY - CA: Ventura County Business Plan Hazardous Waste Producers and Operating Underground Tanks

Agency Version Date: 05/06/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/02/2022
Agency: Ventura County Environmental Health Division
Agency Contact: 805-654-2815
Most Recent Contact: 05/06/2022

BUSINESS INVENTORY_SAN MATEO COUNTY - CA: San Mateo County listing of underground storage tanks, hazardous materials, business plans, and hazardous waste generators

Agency Version Date: 04/04/2022
Agency Update Frequency: Annually
Planned Next Contact: 06/29/2022
Agency: San Mateo County Environmental Health Services Division
Agency Contact: 650-372-6200
Most Recent Contact: 04/04/2022

OTHER ASCERTAINABLE RECORDS (cont.)

CALEPA SITES - CA: CalEPA Regulated Sites from the Certified Unified Program Agencies (CUPA).

Agency Version Date: 03/29/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/24/2022
Agency: California Environmental Protection Agency Unified Program Section
Agency Contact: 916-327-5092
Most Recent Contact: 03/29/2022

CIWQS - CA: California Integrated Water Quality System database facilities listing which includes owner information, violations, inspections, and other regulatory matters

Agency Version Date: 03/18/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/14/2022
Agency: CA State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 03/18/2022

CORTESE - CA: Compliance document used in providing information about the location of hazardous material release sites utilized by the state local agencies and developers

Agency Version Date: 03/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/16/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/21/2022

CUPA_BUTTE COUNTY - CA: Listing of the Butte County Certified Unified Program Agency`s hazardous material program sites

Agency Version Date: 03/19/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 08/17/2022
Agency: Butte County Environmental Health
Agency Contact: 530.538.7281
Most Recent Contact: 05/23/2022

CUPA_FRESNO COUNTY - CA: Listing of the Fresno County Certified Unified Program Agency's hazardous material program sites

Agency Version Date: 03/25/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/21/2022
Agency: Fresno County Department of Public Health
Agency Contact: 559-600-3271
Most Recent Contact: 03/25/2022

CUPA_PLACER COUNTY - CA: Listing of the Placer County Certified Unified Program Agency's hazardous material program sites

Agency Version Date: 04/20/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/18/2022
Agency: Placer County Environmental Health
Agency Contact: 530-745-2350
Most Recent Contact: 04/20/2022

DRYCLEANERS - CA: Listing of drycleaning facilities

Agency Version Date: 09/09/2014
Agency Update Frequency: Quarterly
Planned Next Contact: 06/14/2022
Agency: California EPA Air Resources Board
Agency Contact: 916-324-3013
Most Recent Contact: 03/18/2022

DRYCLEANERS_AMADOR COUNTY - CA: Listing of drycleaning facilities in Amador County

Agency Version Date: 11/02/2016
Agency Update Frequency: Varies
Planned Next Contact: 06/03/2022
Agency: Amador County APCD
Agency Contact: (209) 223-6439
Most Recent Contact: 03/08/2022

DRYCLEANERS_ANTELOPE VALLEY - CA: Listing of drycleaning facilities in Antelope Valley

Agency Version Date: 05/09/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/04/2022
Agency: Antelope Valley AQMD
Agency Contact: 661-723-8070
Most Recent Contact: 05/06/2022

OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS_BAY AREA - CA: Listing of drycleaning facilities in Bay Area

Agency Version Date: 07/01/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 06/15/2022
Agency: Bay Area AQMD
Agency Contact: 415-749-4784
Most Recent Contact: 03/17/2022

DRYCLEANERS_BUTTE COUNTY - CA: Listing of drycleaning facilities in Butte County

Agency Version Date: 04/20/2022
Agency Update Frequency: Semi Annually
Planned Next Contact: 07/18/2022
Agency: Butte County AQMD
Agency Contact: 530-332-9400 ext. 107
Most Recent Contact: 04/20/2022

DRYCLEANERS_CALAVERAS COUNTY - CA: Listing of drycleaning facilities in Calaveras County

Agency Version Date: 04/18/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/14/2022
Agency: Calaveras County APCD
Agency Contact: 209-754-6504
Most Recent Contact: 04/18/2022

DRYCLEANERS_COLUSA COUNTY - CA: Listing of drycleaning facilities in Colusa County

Agency Version Date: 09/08/2014
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: Colusa County APCD
Agency Contact: 530-458-0590
Most Recent Contact: 04/21/2022

DRYCLEANERS_EASTERN KERN COUNTY - CA: Listing of drycleaning facilities in Eastern Kern County

Agency Version Date: 04/21/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2022
Agency: Eastern Kern County APCD
Agency Contact: 661-862-5250
Most Recent Contact: 04/21/2022

DRYCLEANERS_EL DORADO COUNTY - CA: Listing of drycleaning facilities in El Dorado County

Agency Version Date: 03/18/2016
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2022
Agency: El Dorado County AQMD
Agency Contact: 530-621-7503
Most Recent Contact: 04/21/2022

DRYCLEANERS_FEATHER RIVER - CA: Listing of drycleaning facilities in Feather River

Agency Version Date: 09/24/2021
Agency Update Frequency: Varies
Planned Next Contact: 06/14/2022
Agency: Feather River AQMD
Agency Contact: 530-634-7659 ext. 205
Most Recent Contact: 03/16/2022

DRYCLEANERS_GLENN COUNTY - CA: Listing of drycleaning facilities in Glenn County

Agency Version Date: 10/29/2018
Agency Update Frequency: Varies
Planned Next Contact: 08/05/2022
Agency: Glenn County APCD
Agency Contact: 530-934-6500
Most Recent Contact: 05/09/2022

DRYCLEANERS_GREAT BASIN UNIFIED - CA: Listing of drycleaning facilities in the Great Basin Unified region

Agency Version Date: 09/09/2014
Agency Update Frequency: Varies
Planned Next Contact: 06/27/2022
Agency: Great Basin Unified APCD
Agency Contact: 760-872-8211 ext. 228
Most Recent Contact: 04/01/2022

DRYCLEANERS_IMPERIAL COUNTY - CA: Listing of drycleaning facilities in Imperial County

Agency Version Date: 10/29/2021
Agency Update Frequency: Annually
Planned Next Contact: 07/19/2022
Agency: Imperial County APCD
Agency Contact: 760-482-4606
Most Recent Contact: 04/21/2022

OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS_LAKE COUNTY - CA: Listing of drycleaning facilities in Lake County

Agency Version Date: 03/29/2016
Agency Update Frequency: Varies
Planned Next Contact: 07/14/2022
Agency: Lake County AQMD
Agency Contact: 707-263-7000
Most Recent Contact: 04/19/2022

DRYCLEANERS_LASSEN COUNTY - CA: Listing of drycleaning facilities in Lassen County

Agency Version Date: 05/16/2013
Agency Update Frequency: Varies
Planned Next Contact: 08/03/2022
Agency: Lassen County APCD
Agency Contact: 530-257-1045
Most Recent Contact: 05/05/2022

DRYCLEANERS_MENDOCINO COUNTY - CA: Listing of drycleaning facilities in Mendocino County

Agency Version Date: 08/24/2016
Agency Update Frequency: Varies
Planned Next Contact: 07/11/2022
Agency: Mendocino County AQMD
Agency Contact: 707-463-4354
Most Recent Contact: 04/13/2022

DRYCLEANERS_MOJAVE DESERT - CA: Listing of drycleaning facilities in the Mojave Desert region

Agency Version Date: 05/09/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/04/2022
Agency: Mojave Desert AQMD
Agency Contact: 661-723-8070
Most Recent Contact: 05/06/2022

DRYCLEANERS_MONTEREY BAY - CA: Listing of drycleaning facilities in the Monterey Bay region

Agency Version Date: 03/08/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/06/2022
Agency: Monterey Bay Unified APCD
Agency Contact: 831-647-9418 ext.240
Most Recent Contact: 03/08/2022

DRYCLEANERS_NORTH COAST UNIFIED - CA: Listing of drycleaning facilities in the North Coast region

Agency Version Date: 03/25/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/23/2022
Agency: North Coast Unified AQMD
Agency Contact: 707-443-3093 ext. 111
Most Recent Contact: 03/25/2022

DRYCLEANERS_NORTHERN SIERRA - CA: Listing of drycleaning facilities in the Northern Sierra region

Agency Version Date: 09/08/2014
Agency Update Frequency: No Update
Planned Next Contact: 05/30/2022
Agency: Northern Sierra AQMD
Agency Contact: 530-274-9360 ext. 106
Most Recent Contact: 03/03/2022

DRYCLEANERS_NORTHERN SONOMA COUNTY - CA: Listing of drycleaning facilities in Northern Sonoma County

Agency Version Date: 06/01/2018
Agency Update Frequency: Varies
Planned Next Contact: 08/05/2022
Agency: Northern Sonoma County APCD
Agency Contact: 707-433-5911
Most Recent Contact: 05/09/2022

DRYCLEANERS_PLACER COUNTY - CA: Listing of drycleaning facilities in Placer County

Agency Version Date: 05/02/2018
Agency Update Frequency: Quarterly
Planned Next Contact: 08/12/2022
Agency: Placer County APCD
Agency Contact: 530-745-2324
Most Recent Contact: 05/18/2022

DRYCLEANERS_SACRAMENTO COUNTY - CA: Listing of drycleaning facilities in Sacramento County

Agency Version Date: 03/08/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/06/2022
Agency: Sacramento Metro AQMD
Agency Contact: 916-874-4817
Most Recent Contact: 03/08/2022

OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS_SAN DIEGO COUNTY - CA: Listing of drycleaning facilities in San Diego County

Agency Version Date: 05/20/2019
Agency Update Frequency: Varies
Planned Next Contact: 08/05/2022
Agency: San Diego County APCD
Agency Contact: 858-586-2618
Most Recent Contact: 05/09/2022

DRYCLEANERS_SAN JOAQUIN VALLEY - CA: Listing of drycleaning facilities in the San Joaquin Valley

Agency Version Date: 02/04/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/27/2022
Agency: San Joaquin Valley APCD
Agency Contact: 559-230-5936
Most Recent Contact: 04/29/2022

DRYCLEANERS_SAN LUIS OBISPO - CA: Listing of drycleaning facilities in the San Luis Obispo region

Agency Version Date: 05/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/11/2022
Agency: San Luis Obispo County APCD
Agency Contact: 805-781-5912
Most Recent Contact: 05/13/2022

DRYCLEANERS_SANTA BARBARA COUNTY - CA: Listing of drycleaning facilities in Santa Barbara County

Agency Version Date: 08/20/2021
Agency Update Frequency: Varies
Planned Next Contact: 08/04/2022
Agency: Santa Barbara County APCD
Agency Contact: 805-961-8867
Most Recent Contact: 05/09/2022

DRYCLEANERS_SHASTA COUNTY - CA: Listing of drycleaning facilities in Shasta County

Agency Version Date: 02/12/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2022
Agency: Shasta County AQMD
Agency Contact: 530-225-5674
Most Recent Contact: 04/21/2022

DRYCLEANERS_SISKIYOU COUNTY - CA: Listing of drycleaning facilities in Siskiyou County

Agency Version Date: 09/08/2014
Agency Update Frequency: Varies
Planned Next Contact: 07/08/2022
Agency: Siskiyou County APCD
Agency Contact: N/R
Most Recent Contact: 04/11/2022

DRYCLEANERS_SOUTH COAST - CA: Listing of drycleaning facilities in the South Coast region

Agency Version Date: 05/16/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/12/2022
Agency: South Coast AQMD
Agency Contact: 909-396-2000
Most Recent Contact: 05/16/2022

DRYCLEANERS_TEHAMA COUNTY - CA: Listing of drycleaning facilities in Tehama County

Agency Version Date: 02/25/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/19/2022
Agency: Tehama County APCD
Agency Contact: 530-527-3717 ext.100
Most Recent Contact: 05/23/2022

DRYCLEANERS_TUOLUMNE COUNTY - CA: Listing of drycleaning facilities in Tuolumne County

Agency Version Date: 09/21/2020
Agency Update Frequency: Varies
Planned Next Contact: 05/30/2022
Agency: Tuolumne County APCD
Agency Contact: 209-533-6678
Most Recent Contact: 03/03/2022

DRYCLEANERS_VENTURA COUNTY - CA: Listing of drycleaning facilities in Ventura County

Agency Version Date: 04/21/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/19/2022
Agency: Ventura County APCD
Agency Contact: 805-645-1405
Most Recent Contact: 04/21/2022

OTHER ASCERTAINABLE RECORDS (cont.)

DRYCLEANERS_YOLO-SOLANO COUNTIES - CA: Listing of drycleaning facilities in Yolo and Solano Counties

Agency Version Date: 05/13/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/11/2022
Agency: Yolo-Solano AQMD
Agency Contact: 530-757-3664
Most Recent Contact: 05/13/2022

EMI - CA: An estimation of air pollution for a listing of air permitted facilities

Agency Version Date: 03/08/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/02/2022
Agency: California Air Resources Board
Agency Contact: 916-327-6251
Most Recent Contact: 03/08/2022

GCC_SANTA CLARA VALLEY - CA: Santa Clara Valley groundwater contamination cleanups listing

Agency Version Date: 05/16/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/11/2022
Agency: CA State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 05/16/2022

HAZMAT INCIDENT_CONTRA COSTA COUNTY - CA: Listing of hazardous material incident sites since 1993 in Contra Costa County

Agency Version Date: 05/02/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/29/2022
Agency: Contra Costa Health Services Department
Agency Contact: 925-335-3200
Most Recent Contact: 05/02/2022

HAZMAT_CITY OF SAN JOSE - CA: City of San Jose hazardous material facilities listing

Agency Version Date: 01/05/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 06/15/2022
Agency: Santa Clara County Department of Environmental Health
Agency Contact: 408-918-1951
Most Recent Contact: 03/17/2022

HAZMAT_SACRAMENTO COUNTY - CA: Sacramento county hazardous material facilities listing

Agency Version Date: 08/20/2021
Agency Update Frequency: Quarterly
Planned Next Contact: 08/04/2022
Agency: Sacramento County Environmental Management
Agency Contact: 916-875-8550
Most Recent Contact: 05/09/2022

HAZMAT_SAN BERNARDINO COUNTY - CA: San Bernardino county listing of hazardous material permitted facilities

Agency Version Date: 04/29/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/27/2022
Agency: San Bernardino County Fire Department Hazardous Materials Division
Agency Contact: 909-386-8419
Most Recent Contact: 04/29/2022

HAZMAT_SAN DIEGO COUNTY - CA: San Diego county listing of hazardous material permitted facilities

Agency Version Date: 05/04/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/01/2022
Agency: Hazardous Materials Management Division
Agency Contact: 858-505-6700
Most Recent Contact: 05/04/2022

HAZMAT_SANTA CLARA COUNTY - CA: Santa Clara county hazardous material facilities listing

Agency Version Date: 02/15/2022
Agency Update Frequency: Annually
Planned Next Contact: 08/11/2022
Agency: Santa Clara Department of Environmental Health
Agency Contact: 408-918-3428
Most Recent Contact: 05/13/2022

OTHER ASCERTAINABLE RECORDS (cont.)

HAZNET - CA: Listing of hazardous waste manifests from when hazardous waste is transported from generators to permitted recycling treatment storage or disposal facilities by registered hazardous waste transporters

Agency Version Date: 04/05/2021
Agency Update Frequency: Annually
Planned Next Contact: 06/14/2022
Agency: California Environmental Protection Agency
Agency Contact: 916-341-5791
Most Recent Contact: 03/18/2022

HAZWASTE_ORANGE COUNTY - CA: Orange County hazardous waste facilities

Agency Version Date: 05/06/2022
Agency Update Frequency: Annually
Planned Next Contact: 08/02/2022
Agency: Orange County Health Care Agency
Agency Contact: 714-433-6000
Most Recent Contact: 05/06/2022

HIST CORTESE - CA: The historical compliance document used in providing information about the location of hazardous material release sites utilized by the state local agencies and developers

Agency Version Date: 05/02/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/28/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-2861
Most Recent Contact: 05/02/2022

HIST HAZNET - CA: List of hazardous waste manifests from when hazardous waste is transported from generators to permitted recycling treatment storage or disposal facilities by registered hazardous waste transporters that are no longer in current agency list.

Agency Version Date: 10/10/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/11/2022
Agency: California Environmental Protection Agency
Agency Contact: 916-341-5791
Most Recent Contact: 05/17/2022

HIST HMS_LOS ANGELES COUNTY - CA: List of Los Angeles county industrial waste and underground storage tank sites that are no longer in current agency list.

Agency Version Date: 09/15/2018
Agency Update Frequency: Annually
Planned Next Contact: 06/13/2022
Agency: County of Los Angeles Department of Public Works
Agency Contact: 626-458-3518
Most Recent Contact: 03/16/2022

HIST HWP - CA: List of the Department of Toxic Substance Control's hazardous waste transporters and corrective action that are no longer in current agency list.

Agency Version Date: 01/18/2019
Agency Update Frequency: Annually
Planned Next Contact: 07/18/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-2861
Most Recent Contact: 04/21/2022

HIST LDS - CA: List of areas of land on or in which hazardous waste is placed or the largest area in which there is significant likelihood of mixing hazardous waste constituents in the same area that are no longer in current agency list.

Agency Version Date: 05/20/2018
Agency Update Frequency: Annually
Planned Next Contact: 08/17/2022
Agency: State Water Qualilty Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 05/23/2022

HIST MCS - CA: List of the State Water Resources Control Boards investigation and remediation of water quality issues at military facilities that is no longer in current agency list.

Agency Version Date: 09/24/2018
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 06/10/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 03/16/2022

OTHER ASCERTAINABLE RECORDS (cont.)

HIST NFA - CA: Historical No further action cleanup sites listing

Agency Version Date: 02/21/2019
Agency Update Frequency: Quarterly
Planned Next Contact: 08/04/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 05/09/2022

HMS_LOS ANGELES COUNTY - CA: Listing of Los Angeles county industrial waste and underground storage tank sites

Agency Version Date: 03/15/2022
Agency Update Frequency: Monthly
Planned Next Contact: 06/13/2022
Agency: County of Los Angeles Department of Public Works
Agency Contact: 626-458-3518
Most Recent Contact: 03/15/2022

HWM COMMERCIAL FACILITIES - CA: Listing of all commercial hazardous waste permitted off-site transfer recycling treatment storage and disposal facilities

Agency Version Date: 04/18/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/14/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-5308
Most Recent Contact: 04/18/2022

HWP - CA: Facility listing of the Department of Toxic Substance Control's hazardous waste transporters and corrective action

Agency Version Date: 04/26/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/21/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-2861
Most Recent Contact: 04/26/2022

HWT - CA: Listing of registered hazardous waste transporters

Agency Version Date: 04/29/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/28/2022
Agency: Department of Toxic Substance Control
Agency Contact: 916-322-2861
Most Recent Contact: 04/29/2022

LDS - CA: List of Land Disposal Cleanup Sites from Geotracker

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

LOP_SANTA CLARA COUNTY - CA: Santa Clara county leaking underground storage tank sites

Agency Version Date: 07/21/2017
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 07/14/2022
Agency: Department of Environmental Health
Agency Contact: 408-280-6479
Most Recent Contact: 04/18/2022

MCS - CA: List of Military Cleanup Sites from Geotracker

Agency Version Date: 04/22/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/19/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5791
Most Recent Contact: 04/22/2022

MWMP - CA: Listing of treatment and transfer stations that properly handle and dispose of medical waste that are permitted and inspected by the Medical Waste Management Program

Agency Version Date: 01/28/2022
Agency Update Frequency: Varies
Planned Next Contact: 07/22/2022
Agency: California-Health Human Services Department of Public Health
Agency Contact: 916-449-5661
Most Recent Contact: 04/26/2022

OTHER ASCERTAINABLE RECORDS (cont.)

MWMP 2 - CA: Listing of facilities that generate permitted medical waste and are inspected by the Medical Waste Management Program

Agency Version Date: 01/13/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/08/2022
Agency: California-Health Human Services Department of Public Health
Agency Contact: 916-449-5661
Most Recent Contact: 04/11/2022

NFA - CA: No further action cleanup sites listing

Agency Version Date: 03/21/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/16/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/21/2022

NFE - CA: Unconfirmed contaminated properties listing

Agency Version Date: 03/18/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/14/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/18/2022

NPDES - CA: Listing of facilities with wastewater and NPDES permits including stormwater

Agency Version Date: 05/17/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 08/11/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5810
Most Recent Contact: 05/17/2022

PERCHLORATE 2 - CA: Listing of contaminated sites where the primary known chemical is perchlorate

Agency Version Date: 03/18/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/14/2022
Agency: Department of Toxic Substances Control
Agency Contact: 916-322-2861
Most Recent Contact: 03/18/2022

PFAS - CA: List of PFAS sites and areas of interest

Agency Version Date: 04/05/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/30/2022
Agency: California State Water Resources Control Board
Agency Contact: N/R
Most Recent Contact: 04/05/2022

PFAS DOD - CA: List of DoD facilities conducting PFAS investigations

Agency Version Date: 04/05/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/30/2022
Agency: California State Water Resources Control Board
Agency Contact: N/R
Most Recent Contact: 04/05/2022

PFAS GAMA - CA: PFOS & PFAS GAMA Well Sampling program

Agency Version Date: 03/31/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 06/27/2022
Agency: California State Water Resources Control Board
Agency Contact: N/R
Most Recent Contact: 03/31/2022

PROPOSITION 65 - CA: Listing of Proposition 65 enforcement reporting notice sites in accordance with "The Safe Drinking Water and Toxic Enforcement Act of 1986"

Agency Version Date: 06/11/2021
Agency Update Frequency: No update
Planned Next Contact: 05/27/2022
Agency: State of California Department of JusticeOffice of the Attorney General
Agency Contact: 510-873-6321
Most Recent Contact: 03/01/2022

OTHER ASCERTAINABLE RECORDS (cont.)

SITES INVENTORY_VENTURA COUNTY - CA: Listing of Ventura County inventory of closed illegal abandoned and inactive sites

Agency Version Date: 05/14/2021
Agency Update Frequency: Annually
Planned Next Contact: 07/28/2022
Agency: Environmental Health Division
Agency Contact: 805-654-2815
Most Recent Contact: 04/29/2022

SMU_SANTA BARBARA COUNTY - CA: Site Mitigation Unit site assessment and corrective actions at properties in Santa Barbara County

Agency Version Date: 03/29/2022
Agency Update Frequency: Varies
Planned Next Contact: 06/24/2022
Agency: Santa Barbara County APCD
Agency Contact: (805) 681-4900
Most Recent Contact: 03/29/2022

SWAT - CA: The SWAT Reports Summary Data and the Waste Management Unit Database were published by State Water Resources Control Board staff and the Regional Water Quality Control Boards for tracking and inventory of waste management units.

Agency Version Date: 08/08/2015
Agency Update Frequency: No Longer Maintained
Planned Next Contact: 08/11/2022
Agency: Department of Ecology
Agency Contact: 916-322-2861
Most Recent Contact: 05/16/2022

VCCP_VENTURA COUNTY - CA: Listing of Ventura County cleanup program sites

Agency Version Date: 01/31/2022
Agency Update Frequency: Annually
Planned Next Contact: 07/22/2022
Agency: Environmental Health Division
Agency Contact: 805-654-2815
Most Recent Contact: 04/27/2022

WDS - CA: Listing of waste discharge system reporting facilities

Agency Version Date: 04/15/2022
Agency Update Frequency: Quarterly
Planned Next Contact: 07/12/2022
Agency: State Water Resources Control Board
Agency Contact: 916-341-5810
Most Recent Contact: 04/15/2022

WILDLANDS - CA: The Wildlands Conservancy listing of preserves in California

Agency Version Date: 02/14/2022
Agency Update Frequency: Varies
Planned Next Contact: 08/08/2022
Agency: The Wildlands Conservancy
Agency Contact: 909-797-8507
Most Recent Contact: 05/12/2022

WIP - CA: Listing of Well Investigation Program cases in the San Gabriel and San Fernando Valley area

Agency Version Date: 07/01/2009
Agency Update Frequency: Varies
Planned Next Contact: 08/02/2022
Agency: Los Angeles Water Quality Control Board
Agency Contact: 916-341-5810
Most Recent Contact: 05/06/2022

OTHER

SEISMIC - CA: Earthquake Zones of Required Investigation. Shows the location of both Seismic Hazard Zones and Earthquake Fault Zones

Agency Version Date: 04/30/2021
Agency Update Frequency: Varies
Planned Next Contact: 07/12/2022
Agency: State of California Department of Conservation
Agency Contact: 916-324-7299
Most Recent Contact: 04/15/2022

SUBJECT PROPERTY ADDRESS:

Mojave
9350 Oak Creek Rd
Mojave, CA 93501

SUBJECT PROPERTY COORDINATES:

Latitude(North):	35.024102 - 35°1'26.8"
Longitude(West):	-118.338149 - -118°20'17.3"
Universal Transverse Mercator:	Zone 11N
UTM X (Meters):	377923.72
UTM Y (Meters):	3876534.13
State Plane Coordinates:	0405 - California Zone 5 (US Survey Feet)
X Coordinate (Feet):	6460427.361 E
Y Coordinate (Feet):	2195251.786 N

ELEVATION:

Elevation:	3922 ft. above sea level

USGS TOPOGRAPHIC MAP:

Subject Property Map:	34118-H3 Willow Springs, CA
Most Recent Revision:	2015
Subject Property Map:	35118-A3 Monolith, CA
Most Recent Revision:	2018

GEOHYDROLOGY DATA:

SUBJECT PROPERTY TOPOGRAPHY:

Topographic Gradient: North

DFIRM FLOOD ZONE:

	DFIRM Flood
Subject Property County:	Electronic Data:
KERN	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	06029C3650E (Eff. date 9/26/2008) 06029C3275E (Eff. date 9/26/2008)
Additional Panels in search area:	06029C3250E (Eff. date 9/26/2008) 06029C3625E (Eff. date 9/26/2008)

FEMA FLOOD ZONE:

	FEMA Flood
Subject Property County:	Electronic Data:
KERN	Yes - refer to the PROPERTY PROXIMITY MAP and AREA MAP
Flood Plain Panel at Subject Property:	0600751575B 0600751800B
Additional Panels in search area:	No available data

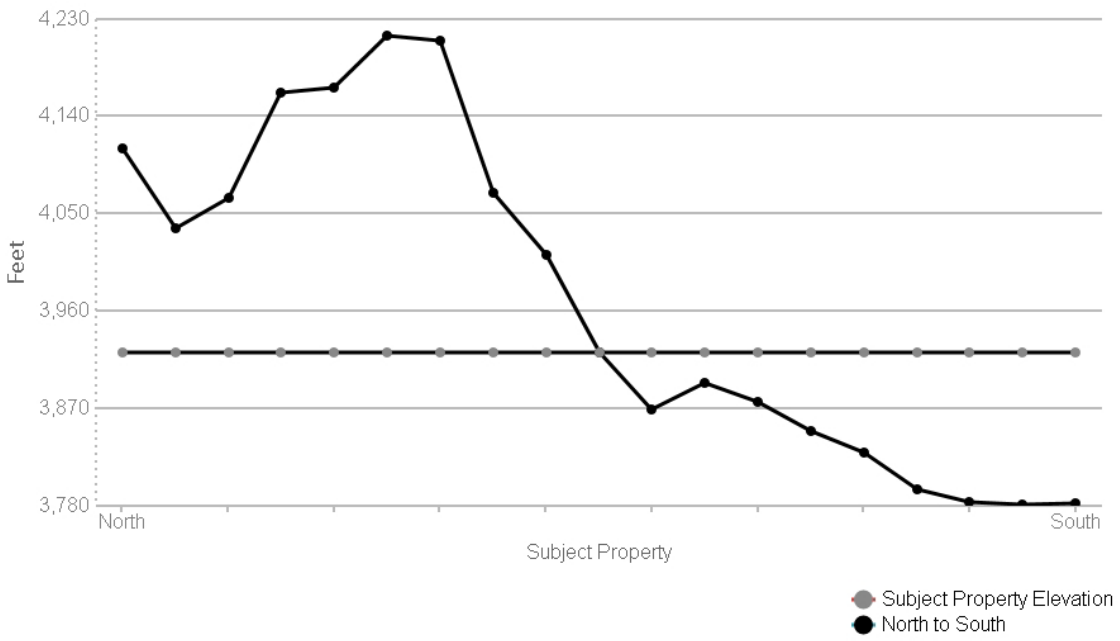
NATIONAL WETLAND INVENTORY:

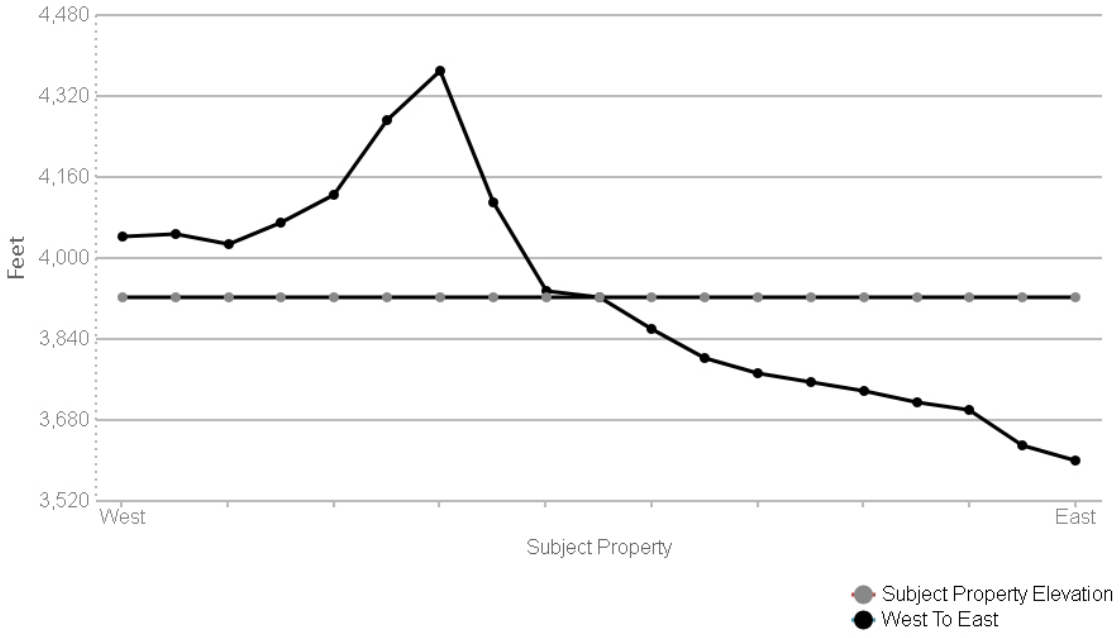
	NWI Electronic
NWI Quad at Subject Property:	Data Coverage:
Willow Springs	Yes - refer to the Geological Findings Map

LITHOSTRATIGRAPHIC INFORMATION:

ROCK STRATIGRAPHIC UNIT:		GEOLOGIC AGE IDENTIFICATION
Era:	Mesozoic	Category: 40 Kg2 Upper Cretaceous granitic
System:	Cretaceous	
Series:	Upper Cretaceous granitic	
Code:	Kg2	

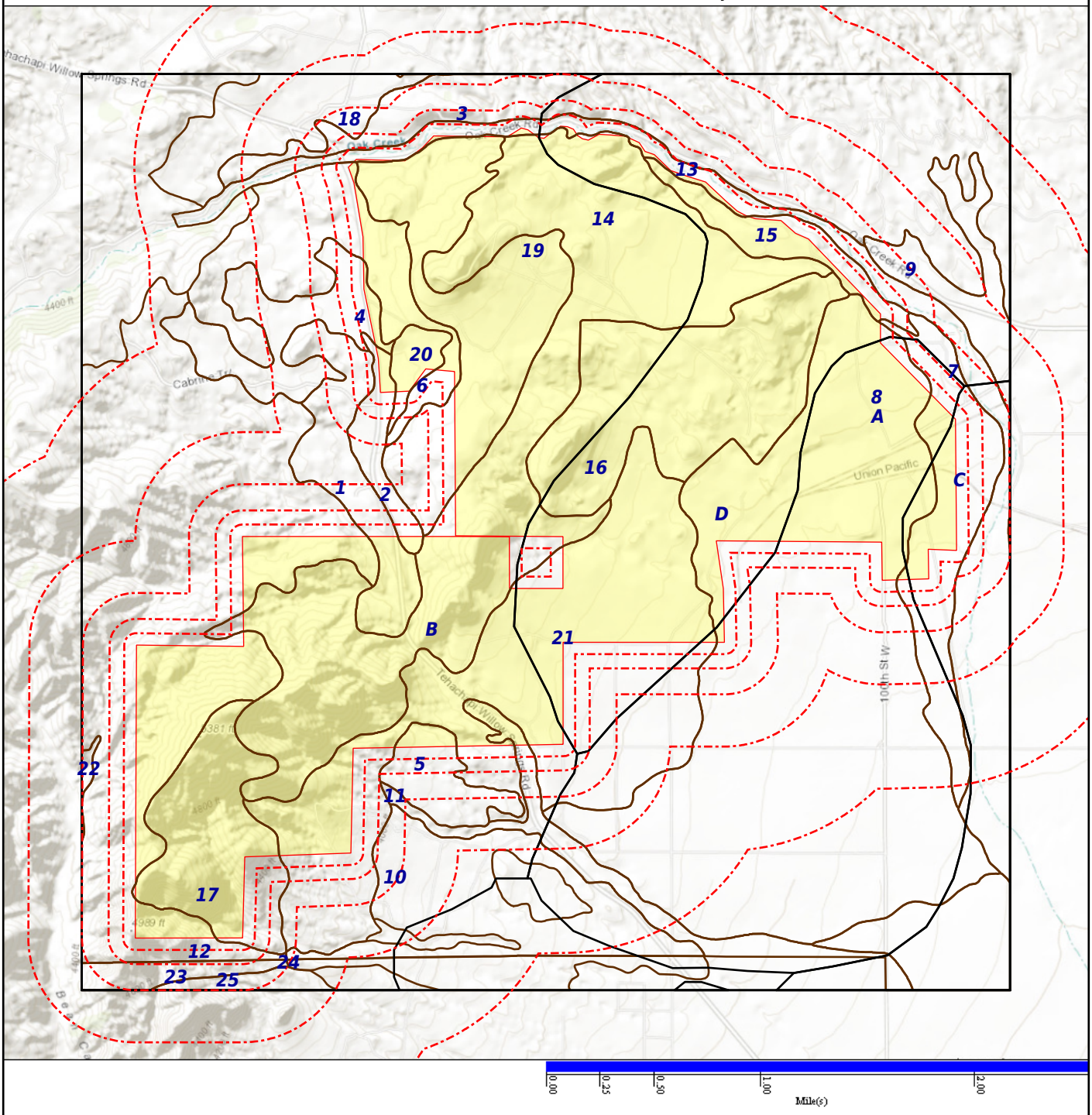
SURROUNDING ELEVATION PROFILES:





SUBJECT NAME: Mojave
ADDRESS: 9350 Oak Creek Rd, Mojave, CA, 93501
LAT/LONG: 35.024102 / -118.338149

PREPARED FOR: SESPE Consulting
ORDER #: 72512
REPORT DATE: May 24, 2022



SOIL COMPOSITION IN GENERAL AREA OF SUBJECT PROPERTY:

Agency source: Soil Conservation Service, US Department of Agriculture

SOIL MAP ID 1	SSURGO
USDA Soil Name	Randsburg,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Sandy loam	No data	No data	14-42	7.9-8.4
2	30-41		No data	No data	0-0	0-0

SOIL MAP ID 2	SSURGO
USDA Soil Name	Cajon,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-51	Loamy sand	No data	No data	42-141	7.4-8.4
2	51-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 3	SSURGO
USDA Soil Name	Pajuela,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Sandy loam	No data	No data	14-42	6.6-8.4
2	30-56	Loamy sand	No data	No data	14-42	6.6-8.4
3	56-152	Loamy sand	No data	No data	14-42	6.6-8.4

SOIL MAP ID 4 **SSURGO**

USDA Soil Name	Wasioja,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-86	Sandy loam	No data	No data	14-42	7.4-8.4
2	86-124	Loam	No data	No data	1.4-4	7.9-8.4
3	124-157	Sandy loam	No data	No data	4-14	7.9-8.4

SOIL MAP ID 5 **SSURGO**

USDA Soil Name	Garlock,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Loamy sand	No data	No data	42-141	7.4-8.4
2	30-61	Sandy clay loam	No data	No data	1.4-4	7.4-8.4
3	61-84	Sandy loam	No data	No data	14-42	7.4-8.4
4	84-130	Loamy sand	No data	No data	42-141	7.4-8.4
5	130-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 6	SSURGO
USDA Soil Name	Hi Vista,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-10	Sandy loam	No data	No data	14-42	6.6-8.4
2	10-76	Sandy clay loam	No data	No data	1.4-4	7.4-8.4
3	76-86		No data	No data	0-0	0-0

SOIL MAP ID 7	SSURGO
USDA Soil Name	Cajon,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-51	Loamy sand	No data	No data	42-141	7.4-8.4
2	51-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 8	SSURGO
USDA Soil Name	Garlock,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Loamy sand	No data	No data	42-141	7.4-8.4
2	30-61	Sandy clay loam	No data	No data	1.4-4	7.4-8.4
3	61-84	Sandy loam	No data	No data	14-42	7.4-8.4
4	84-130	Loamy sand	No data	No data	42-141	7.4-8.4
5	130-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 9 **SSURGO**

USDA Soil Name	Cajon,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-51	Loamy sand	No data	No data	42-141	7.4-8.4
2	51-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 10 **SSURGO**

USDA Soil Name	Garlock,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Loamy sand	No data	No data	42-141	7.4-8.4
2	30-61	Sandy clay loam	No data	No data	1.4-4	7.4-8.4
3	61-84	Sandy loam	No data	No data	14-42	7.4-8.4
4	84-130	Loamy sand	No data	No data	42-141	7.4-8.4
5	130-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 11	SSURGO
USDA Soil Name	Cajon,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-91	Loamy sand	No data	No data	42-141	7.4-8.4
2	91-152	Sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 12	SSURGO
USDA Soil Name	Jawbone,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	D
Soil Drainage Class	Excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-25	Loamy sand	No data	No data	42-141	7.9-8.4
2	25-150		No data	No data	0-0	0-0

SOIL MAP ID 13	SSURGO
USDA Soil Name	Cajon,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-91	Loamy sand	No data	No data	42-141	7.4-8.4
2	91-152	Sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 14 **SSURGO**

USDA Soil Name	Torriorthents,Taxon above family
USDA Soil Texture	Not Reported
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-51		No data	No data	0-0	0-0
2	51-61		No data	No data	0-0	0-0

SOIL MAP ID 15 **SSURGO**

USDA Soil Name	Pajuela,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Sandy loam	No data	No data	14-42	6.6-8.4
2	30-56	Loamy sand	No data	No data	14-42	6.6-8.4
3	56-152	Loamy sand	No data	No data	14-42	6.6-8.4

SOIL MAP ID 16	SSURGO
USDA Soil Name	Quarries,Miscellaneous area
USDA Soil Texture	No data
Hydrologic Soil Group	Not Reported
Soil Drainage Class	Not Reported
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-152	No data	No data	No data	0-0	0-0

SOIL MAP ID 17	SSURGO
USDA Soil Name	Cinco,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-20	Loamy sand	No data	No data	42-141	6.6-8.4
2	20-218	Loamy sand	No data	No data	42-141	6.6-8.4
3	218-229		No data	No data	0-0	0-0

SOIL MAP ID 18	SSURGO
USDA Soil Name	Wasioja,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-86	Sandy loam	No data	No data	14-42	7.4-8.4
2	86-124	Loam	No data	No data	1.4-4	7.9-8.4
3	124-157	Sandy loam	No data	No data	4-14	7.9-8.4

SOIL MAP ID 19 **SSURGO**

USDA Soil Name	Randsburg,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Sandy loam	No data	No data	14-42	7.9-8.4
2	30-41		No data	No data	0-0	0-0

SOIL MAP ID 20 **SSURGO**

USDA Soil Name	Garlock,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Loamy sand	No data	No data	42-141	7.4-8.4
2	30-61	Sandy clay loam	No data	No data	1.4-4	7.4-8.4
3	61-84	Sandy loam	No data	No data	14-42	7.4-8.4
4	84-130	Loamy sand	No data	No data	42-141	7.4-8.4
5	130-152	Loamy sand	No data	No data	42-141	7.4-8.4

SOIL MAP ID 21	SSURGO
USDA Soil Name	Randsburg,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Sandy loam	No data	No data	14-42	7.9-8.4
2	30-41		No data	No data	0-0	0-0

SOIL MAP ID 22	SSURGO
USDA Soil Name	Psamments,Taxon above family
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-30	Loamy sand	No data	No data	42-141	6.1-7.3
2	30-122	Loamy sand	No data	No data	42-141	6.1-7.8
3	122-152	Sand	No data	No data	42-141	6.1-7.8

SOIL MAP ID 23	SSURGO
USDA Soil Name	Jawbone,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	D
Soil Drainage Class	Excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-25	Loamy sand	No data	No data	42-141	7.9-8.4
2	25-150		No data	No data	0-0	0-0

SOIL MAP ID 24 **SSURGO**

USDA Soil Name	Ramona,Series
USDA Soil Texture	Coarse sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-51	Coarse sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	6.1-7.3
2	51-79	Fine sandy loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	4-14	6.1-7.3
3	79-229	Sandy clay loam	Silt-Clay materials (more than 35% passing NO. 200), silty soils. Reference: This is a classification of soil material for highway and airfield construction (Procedure	FINE-GRAINED SOILS, Silts and clays (liquid limit is less than 50%), Lean Clay. Reference: This is a classification of soil material designed for general construction purposes. It is dependent	1.4-4	6.1-7.3

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	79-229	Sandy clay loam	M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	1.4-4	6.1-7.3

SOIL MAP ID 25 **SSURGO**

USDA Soil Name	Sheridan,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Low

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-38	Sandy loam	Granular materials (35% or less passing No. 200), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5
2	38-66	Coarse sandy loam	Granular materials (35% or less passing No. 200 sieve), silty or clayey gravel and sand. Reference: This is a classification of soil material for highway and airfield construction (Procedure M 145-73 in Am. Assoc. of State Highway and Transportation Officials, 1984.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. Reference: This is a classification of soil material designed for general construction purposes. It is dependent on the particle size distribution of the <75 mm, the liquid limit, and the plasticity index and on whether the soil material is high in organic matter (ASTM test D 2487, in ASTM, 1984).	14-42	5.6-6.5

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
3	66-76		No data	No data	0-0	0-0

SOIL MAP ID A **STATSGO**

USDA Soil Name	Neuralia,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	C
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	High

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Sandy loam	No data	No data	14.1143-42.343	6.6-8.4
2	7-31	Sandy clay loam	No data	No data	1.4114-4.2343	7.4-8.4
3	31-55	Sandy clay loam	No data	No data	1.4114-4.2343	7.4-8.4
4	55-60	Sandy clay loam	No data	No data	1.4114-4.2343	7.4-8.4

SOIL MAP ID B **STATSGO**

USDA Soil Name	Rock outcrop, Miscellaneous area
USDA Soil Texture	Not Reported
Hydrologic Soil Group	D
Soil Drainage Class	Well drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Not Reported

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-60		No data	No data	No data	No data

SOIL MAP ID C	STATSGO
USDA Soil Name	Cajon,Series
USDA Soil Texture	Loamy sand
Hydrologic Soil Group	A
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-7	Loamy sand	No data	No data	42.343-141.1433	7.4-8.4
2	7-13	No data	No data	No data	42.343-141.1433	7.4-8.4
3	13-25	No data	No data	No data	42.343-141.1433	7.4-8.4
4	25-45	No data	No data	No data	42.343-141.1433	7.4-8.4
5	45-60	Loamy fine sand	No data	No data	42.343-141.1433	7.4-8.4

SOIL MAP ID D	STATSGO
USDA Soil Name	Pajuela,Series
USDA Soil Texture	Sandy loam
Hydrologic Soil Group	B
Soil Drainage Class	Somewhat excessively drained
Hydric Classification	0
Corrosion Potential - Uncoated Steel	Moderate

Layer	Depth (inches)	Soil Texture	AASHTO Group	Unified Soil Description	Saturated Hydraulic Conductivity micro m/sec	Soil Reaction pH
1	0-12	Sandy loam	No data	No data	14.1143-42.343	6.6-8.4
2	12-22	Loamy sand	No data	No data	14.1143-42.343	6.6-8.4
3	22-60	No data	No data	No data	14.1143-42.343	6.6-8.4

WATER AGENCY DATA:

WATER AGENCY SEARCH DISTANCES:

DATABASE:	SEARCH DISTANCE (MILES):
NWIS	1.000
OIL & GAS WELLS - CA	0.125
PWS	1.000
WELLS - GAMA - CA	0.000

DISTANCE TO NEAREST:	DISTANCE:
NWIS	0.000 mi / 0 ft
OIL & GAS WELLS - CA	N/A
PWS	0.575 mi / 3035 ft
WELLS - GAMA - CA	0.000 mi / 0 ft

FEDERAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
A1	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT	< 1/8 Mile W
8	10264605	< 1/8 Mile SSW
N63	USGS-350308118200301 | 350308118200301	< 1/8 Mile N
98	10264600	1/8 - 1/4 Mile NW
137	350214118180701	1/4 - 1/2 Mile ENE
199	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT	1/2 - 1 Mile ENE
256	350055118172601	1/2 - 1 Mile E

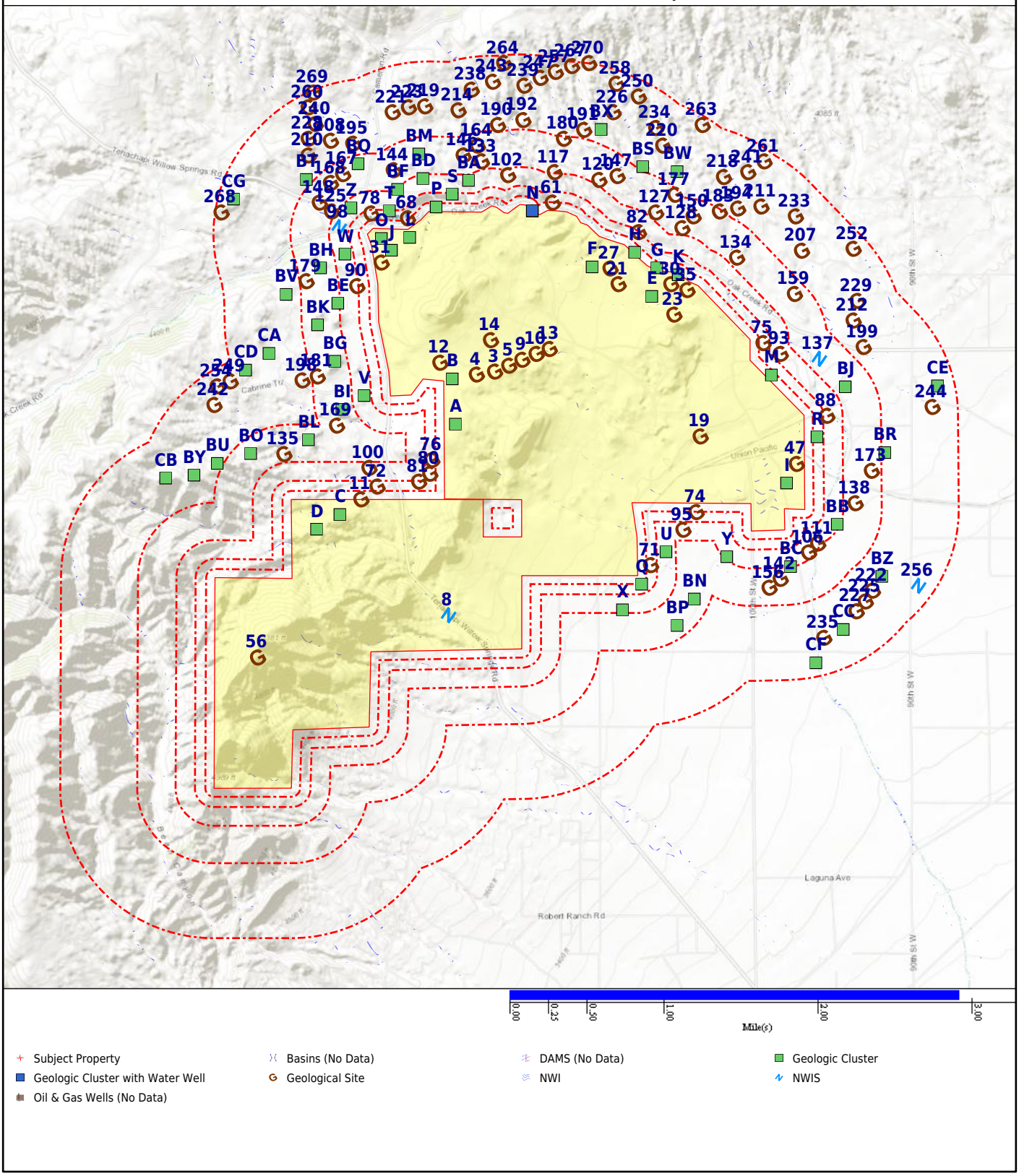
Note: PWS System location is not always the same as well location.

STATE/LOCAL WATER AGENCY DATA SUMMARY:

MAP ID:	WELL ID:	LOCATION FROM SP:
N50	11N14W14B002S	< 1/8 Mile N
61	1502034-003	< 1/8 Mile N
N62	1502034-002	< 1/8 Mile N
N63	USGS-350308118200301 | 350308118200301	< 1/8 Mile N
N65	11N14W14B001S	< 1/8 Mile N

SUBJECT NAME: Mojave
ADDRESS: 9350 Oak Creek Rd, Mojave, CA, 93501
LAT/LONG: 35.024102 / -118.338149

PREPARED FOR: SESPE Consulting
ORDER #: 72512
REPORT DATE: May 24, 2022



Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA]

Envirosite ID: 223307
EPA ID: N/R

AST - CA

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	Kern County

Site Details

Site ID :	102355
Facility Identifer :	N/R
EPA Identifier :	CAD008256315
Facility Explorer ID :	102355
Dun and Bradsheet Number :	N/R
Regulatory Programs :	Hazardous Chemical Management, Chemical Storage Facilities, Aboveground Petroleum Storage, Hazardous Waste Generator, Industrial Facility Storm Water
SIC :	N/R
NAICS :	N/R
Latitude :	35.039320
Longitude :	-118.301750
Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-26

Violations

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Violation Date :	2018-05-01
Citation :	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Description : Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Notes :

Returned to compliance on 07/20/2018. The following corrections shall be made to the facility's inventory within 30 days: 1. Correct white vinegar and auto shampoo quantities in Butler Building to inventory; 2. Add two, 100 pound propane cylinders at Brick Storage location; 3. Add five, 381 cubic foot cylinders of NOS at Brick Storage Location; 4. Largest container, Average Daily Amount, and Maximum Daily Amount shall be corrected for all materials on inventory; 5. All hazardous materials which meet or exceed threshold amounts shall be added to the inventory.

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Violation Date : 2017-06-08

Citation : HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507

Description : Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Notes :

Returned to compliance on 07/17/2017. Ensure all hazardous waste containers have appropriate labeling indicating the following - contents - accumulation start date - the wards "hazardous waste" - the composition and physical state of the waste - a statement that calls attention to the particular hazard of the waste (ie. toxic, flammable, ignitable, ect.) - the name and address of the facility producing the waste If containers are empty or out of service they should be labeled as such.

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Violation Date :	2016-05-04
Citation :	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Description :	Failure to complete and electronically submit a site map with all required content.
Notes :	Returned to compliance on 10/03/2016. Reference to location of hazardous materials on site map is inaccurate. Review and update site map. Submit updated site map into CERS.
Division :	Kern County Env Health Services Department
Program :	HMRRP
Source :	CERS
Violation Date :	2016-05-04
Citation :	HSC 6.5 Multiple Sections - California Health and Safety Code, Chapter 6.5, Section(s) Multiple Sections
Description :	Haz Waste Generator Program - Operations/Maintenance - General
Notes :	Returned to compliance on 05/31/2016. Empty containers are not properly labeled with the word "EMPTY" and the date when emptied. Properly label and store empty containers.
Division :	Kern County Env Health Services Department
Program :	HW
Source :	CERS
Violation Date :	2015-05-15
Citation :	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Description : Failure to complete and electronically submit a site map with all required content.

Notes : Returned to compliance on 05/19/2015. PROVIDE ADDITIONAL 8X11 MAPS SHOWING GREATER DETAIL OF CHEMICAL STORAGE AREAS

Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Enforcements

Enforcement Action Date : 2015-05-15
Type : Notice of Violation (Unified Program)
Description : Notice of Violation Issued by the Inspector at the Time of Inspection
Notes : N/R
Division : Kern County Env Health Services Department
Program : HMRRP
Source : CERS

Chemicals

Chemical Name : (M) MULTIPLEX RED # 2 GREASE
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 0-99 Pounds
Average Daily Amount / Unit : 0-99 Pounds
Days Onsite : 365
Physical State(s) : Solid, Pure

Chemical Name : (M) OILY RAGS
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 100-499 Pounds
Average Daily Amount / Unit : 100-499 Pounds
Days Onsite : 365

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Envirosite ID: 223307
EPA ID: N/R

AST - CA ***(cont.)***

Physical State(s) : Solid, Pure

Chemical Name : (M) USED OIL FILTERS
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 100-499 Pounds
Average Daily Amount / Unit : 100-499 Pounds
Days Onsite : 365
Physical State(s) : Solid, Pure

Chemical Name : (M) WASTE OIL
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 120-599 Gallons
Average Daily Amount / Unit : 120-599 Gallons
Days Onsite : 365
Physical State(s) : Liquid, Pure

Chemical Name : (N) GAS CYLINDERS COMPRESSED GAS N.O.S.
CAS Number : N/R
Hazard Type(s) : -
Max Daily Amount / Unit : 2600-12999 Cubic Feet
Average Daily Amount / Unit : 2600-12999 Cubic Feet
Days Onsite : 365
Physical State(s) : Gas, Pure

AST_KERN COUNTY - CA

Facility Name : CalPortland Company
Facility Address : 9350 OAK CREEK RD, Mojave, CA 93501

Site Details
Facility ID : FA0003180
CERS ID : 10154991
Last HMIRRP Date : N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

AST_KERN COUNTY - CA ***(cont.)***

Billing Status :	Active, billable
Program/Element Code :	CD03
Program/Element :	APSA >99,999 GALLON CAPACITY
Current Inspection Date :	2025-05-01
Designated Employee :	Mahinan
Mailing Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
Mailing Address 2 :	N/R
Last Date in Agency List :	2022-04-15

CALARP_KERN COUNTY - CA

Facility Name :	CalPortland Company - CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, Mojave, CA

Site Details

Last Modified :	N/R
Link :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-01-10

Substances

Regulated Substance(s) :	(A) AMMONIUM NITRATE TANK, (A) PRIMACORD, (K) GAS CYLINDERS ETHYLENE, (L) AMMONIUM HYDROXIDE19%, (N) GAS CYLINDERS SULFUR DIOXIDE

CALEPA SITES - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, 93501-7738
Site ID :	457035
EI ID :	110017431233
EI Description :	US EPA Air Emission Inventory System (EIS)
Latitude :	35.029298

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CALEPA SITES - CA ***(cont.)***

Longitude :	-118.316230
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, 93501
Site ID :	102355
EI ID :	241177
EI Description :	Industrial Facility Storm Water
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Aboveground Petroleum Storage
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Hazardous Waste Generator
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Chemical Storage Facilities
Latitude :	35.039320

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CALEPA SITES - CA ***(cont.)***

Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	Hazardous Chemical Management
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Site ID :	102355
EI ID :	10154991
EI Description :	RCRA LQ HW Generator
Latitude :	35.039320
Longitude :	-118.301750
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Facility Name :	CALPORTLAND COMPANY MOJAVE PLANT
Facility Address :	9350 Oak Creek Rd, Mojave, 93501
Site ID :	102360
EI ID :	93502CLFRN9350O
EI Description :	Toxic Release Inventory
Latitude :	35.031033
Longitude :	-118.319267
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07
Facility Name :	CALPORTLAND - MOJAVE CEMENT PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, 93501

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CALEPA SITES - CA ***(cont.)***

Site ID :	135958
EI ID :	241176
EI Description :	Land Disposal
Latitude :	35.039693
Longitude :	-118.247573
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Site ID :	135958
EI ID :	L10009509578
EI Description :	Land Disposal Site
Latitude :	35.039693
Longitude :	-118.247573
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Facility Name :	SCE CAL CEMENT SUBSTATION
Facility Address :	9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT), MOJAVE, 93501

Site ID :	155132
EI ID :	10198819
EI Description :	Chemical Storage Facilities
Latitude :	35.031030
Longitude :	-118.319270
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

CERCLIS NFRAP

Facility Name :	CALIFORNIA PORTLAND CEMENT, CO.
Facility Address :	9350 OAK CREEK RD., MOJAVE, CA 93501
County :	KERN

Site ID :	0904614
Epa ID :	CAD008256315

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CERCLIS NFRAP ***(cont.)***

Short Name :	CALIFORNIA PORTLAND CEMEN
Congressional District :	20
IFMS ID :	N/R
SMSA Number :	0680
USGC Hydro Unit :	18090206
Federal Facility :	N
DMNSN Number :	N/R
Site Orphan Flag :	N
RCRA ID :	Y
USGS Quadrangle :	N/R
Site Init by Prog :	N/R
NFRAP Flag :	NFA
Parent ID :	N/R
RST Code :	N/R
EPA Region :	09
Classification :	N/R
Site Settings Code :	N/R
NPL Status :	Not on the NPL
DMNSN Unit Code :	N/R
RBRAC Code :	N/R
RResp Fed Agency Code :	N/R
Non NPL Status :	NFRAP-Site does not qualify for the NPL based on existing information
Non NPL Status Date :	1995-05-04
Site Fips Code :	06029
CC Concurrence Date :	N/R
CC Concurrence FY :	N/R
Alias EPA ID :	N/R
Site FUDS Flag :	N/R

CERCLIS Site Contact Name(s)

Contact ID :	13003854
Contact Title :	Site Assessment Manager (SAM)
Contact ID :	13003858
Contact Title :	Site Assessment Manager (SAM)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CERCLIS NFRAP ***(cont.)***

Contact ID :	13004003
Contact Title :	Site Assessment Manager (SAM)
Alias Comments :	N/R
Site Description :	N/R

CERCLIS Assessment History

Action Code :	001
Action :	PRELIMINARY ASSESSMENT
Date Started :	N/R
Date Completed :	1994-03-16
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	EPA Fund-Financed
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

Action Code :	001
Action :	ARCHIVE SITE
Date Started :	N/R
Date Completed :	1996-01-23
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	EPA In-House
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

Action Code :	001
Action :	DISCOVERY
Date Started :	N/R
Date Completed :	1992-10-16
Priority Level :	1
Operational Unit :	00

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CERCLIS NFRAP ***(cont.)***

Primary Responsibility :	EPA Fund-Financed
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R
Action Code :	001
Action :	SITE INSPECTION
Date Started :	1994-03-24
Date Completed :	1995-05-04
Priority Level :	1
Operational Unit :	00
Primary Responsibility :	EPA Fund-Financed
Planning Status :	N/R
Urgency Indicator :	N/R
Action Anomaly :	N/R

CIWQS - CA

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Place ID :	S241177
Agency Name :	CALPORTLAND CO
Last Date in Agency List :	2022-03-22
Facility Name :	MOJAVE PLANT-CALIF PORTLAND
Facility Address :	9350 OAK CREEK, MOJAVE, CA 93501
County :	KERN
Place ID :	241176
Agency Name :	CALIFORNIA PORTLAND CEMENT
Last Date in Agency List :	2022-03-22

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CIWQS - CA ***(cont.)***

Facility Name :	MOJAVE READY MIX PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Place ID :	S802999
Agency Name :	CALPORTLAND CO
Last Date in Agency List :	2022-03-22

CIWQS 2 - CA

Facility Name :	Mojave Plant-Calif Portland
Facility Address :	9350 Oak Creek Road, Mojave, 93501
County :	Kern
Facility ID :	241176
WDID :	6B152003001
Facility Type :	Industrial
Region :	6B
Place Type :	Manufacturing
Place Subtype :	Concrete Manufacturing
Ageny Name :	California Portland Cement
Agency Type :	Privately-Owned Business
Number of Agencies :	1
Status Date :	2015-01-09
Status :	Active
Status Enrollee :	N
Individual/General :	I
Fee Code :	59 - Land Disposal Site not paying tipping fee
Staff Assigned :	N/R
Number of Staff Assigned :	N/R
Supervisor :	N/R
Number of Supervisor :	N/R
Number of Amendments :	0
Number of Reg Measures :	1
Baseline Flow :	0.11
Population (MS4)/Acres :	N/R
Reclamation :	N - No
CAFO Type :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CIWQS 2 - CA ***(cont.)***

CAFO Subtype :	N/R
CAFO Population :	N/R
Onsite :	N/R
Quality Assurance :	N/R
RCRA Flag :	N
Total MMP Violations Number :	0
Total Number of Violations :	8
Total Number of Inspections :	16
Date of Most Recent Completed Inspection:	2020-06-15
Date of Most Recent Received Report :	2021-07-13
Total Number of Final (A+H) Enforcement Actions:	0
Most Recent Effective Date of Enf Action (A+H):	N/R
Program :	LNDISPOTH
Program Category :	LNDISP
Number of Programs :	1
Complexity :	B
Pretreatment :	X - Facility is not a POTW
Facility Waste Type :	Cooling water: Noncontact
Reg Measure ID :	148479
Reg Measure Type :	WDR
Reg Measure Title :	CALIF PORTLAND CEMENT CO
Reg Measure Description :	N/R
SIC 1 :	3271 - Concrete Block and Brick
SIC 2 :	-
SIC 3 :	-
Latitude :	35.039693
Longitude :	-118.247573
Last Date in Agency List :	2022-05-06

Facility ID :	241176
WDID :	6B152003001
Facility Type :	Industrial
Region :	6B
Place Type :	Manufacturing
Place Subtype :	Concrete Manufacturing
Ageny Name :	California Portland Cement

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CIWQS 2 - CA ***(cont.)***

Agency Type :	Privately-Owned Business
Number of Agencies :	1
Status Date :	1996-02-08
Status :	Historical
Status Enrollee :	N
Individual/General :	I
Fee Code :	N/R
Staff Assigned :	N/R
Number of Staff Assigned :	N/R
Supervisor :	N/R
Number of Supervisor :	N/R
Number of Amendments :	0
Number of Reg Measures :	2
Baseline Flow :	0.11
Population (MS4)/Acres :	N/R
Reclamation :	N - No
CAFO Type :	N/R
CAFO Subtype :	N/R
CAFO Population :	N/R
Onsite :	N/R
Quality Assurance :	N/R
RCRA Flag :	N
Total MMP Violations Number :	0
Total Number of Violations :	32
Total Number of Inspections :	8
Date of Most Recent Completed Inspection:	2001-02-13
Date of Most Recent Received Report :	N/R
Total Number of Final (A+H) Enforcement Actions:	3
Most Recent Effective Date of Enf Action (A+H):	2009-02-24
Program :	LNDISP
Program Category :	LNDISP
Number of Programs :	1
Complexity :	B
Pretreatment :	X - Facility is not a POTW
Facility Waste Type :	Cooling water: Noncontact
Reg Measure ID :	146875
Reg Measure Type :	WDR

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

CIWQS 2 - CA ***(cont.)***

Reg Measure Title :	WDR 96-010 for CALIFORNIA PORTLAND CEMENT CO
Reg Measure Description :	N/R
SIC 1 :	3271 - Concrete Block and Brick
SIC 2 :	-
SIC 3 :	-
Latitude :	35.039693
Longitude :	-118.247573
Last Date in Agency List :	2022-05-06

ECHO

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
County :	KERN
Last Inspection Date :	2020-06-15
Registry ID :	110017431233
FIPS Code :	06029
EPA Region :	09
Inspection Count :	10
Last Inspection Days :	643
Informal Count :	0
Last Informal Action Date :	2015-08-11
Formal Action Count :	1
Last Formal Action Date :	2017-12-11
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	2015-10-10
Last Penalty Amount :	3125
QTRS IN NC :	0
Programs IN SNC :	0
Current Compliance Status :	No Violation Identified
Three-Year Compliance Status :	_____U
Collection Method :	N/R
Reference Point :	CENTER OF A FACILITY OR STATION
Accuracy Meters :	17600
Derived Tribes :	N/R
Derived HUC :	18090206
Derived WBD :	180902061701

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Derived STCTY FIPS :	06029
Derived Zip :	93501
Derived CD113 :	23
Derived CB2010 :	060290060073206
MYRTK Universe :	YNN
NPDES IDs :	CAZ203975
CWA Permit Types :	Minor
CWA Compliance Tracking :	On
CWA NAICS :	N/R
CWA SICS :	3241
CWA Inspection Count :	2
CWA Last Inspection Days :	642
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	0
CWA Current Compliance Status :	No Violation Identified
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	_____
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	3241
Facility NAICS :	327310 - Cement Manufacturing, 32731 - Cement Manufacturing
Facility Last Inspection EPA Date :	2011-09-28
Facility Last Inspection State Date :	2020-06-15
Facility Last Formal Act EPA Date :	2012-02-09
Facility Last Formal Act State Date :	2017-12-11
Facility Last Informal Act EPA Date :	2010-03-10
Facility Last Informal Act State Date:	2015-08-11
Facility Federal Agency :	N/R
TRI Reporter :	Y
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	Y
SDWIS Flag :	Y
RCRA Flag :	Y
TRI Flag :	Y
GHG Flag :	N
Major Flag :	Y
Active Flag :	Y
NAA Flag :	Y
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2022-03-29
Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Last Inspection Date :	2015-12-15
Registry ID :	110017431233
FIPS Code :	06029
EPA Region :	09
Inspection Count :	3
Last Inspection Days :	670
Informal Count :	2
Last Informal Action Date :	2015-08-11
Formal Action Count :	1
Last Formal Action Date :	2015-10-10
Total Penalties :	3125
Penalty Count :	1
Last Penalty Date :	2015-10-10
Last Penalty Amount :	3125
QTRS IN NC :	11
Programs IN SNC :	0
Current Compliance Status :	In Violation
Three-Year Compliance Status :	VVVVVVVVVVVU
Collection Method :	N/R
Reference Point :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Accuracy Meters :	17501
Derived Tribes :	N/R
Derived HUC :	18090206
Derived WBD :	180902061701
Derived STCTY FIPS :	06029
Derived Zip :	93501
Derived CD113 :	23
Derived CB2010 :	060290060073206
MYRTK Universe :	YNN
NPDES IDs :	CAZ203975
CWA Permit Types :	Minor
CWA Compliance Tracking :	On
CWA NAICS :	N/R
CWA SICS :	3241
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	0
CWA Current Compliance Status :	No Violation
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	_____
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	3241
Facility NAICS :	327310 - Cement Manufacturing, 32731 - Cement Manufacturing
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	2012-02-09
Facility Last Formal Act State Date :	2015-10-10
Facility Last Informal Act EPA Date :	2010-03-10
Facility Last Informal Act State Date:	2015-08-11
Facility Federal Agency :	N/R
TRI Reporter :	Y
Facility Imp Water Flag :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N
Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	Y
SDWIS Flag :	Y
RCRA Flag :	Y
TRI Flag :	Y
GHG Flag :	Y
Major Flag :	Y
Active Flag :	Y
NAA Flag :	Y
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2017-10-23
Facility Name :	CALPORTLAND COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
County :	KERN COUNTY
Last Inspection Date :	N/R
Registry ID :	110063527964
FIPS Code :	18091
EPA Region :	09
Inspection Count :	0
Last Inspection Days :	N/R
Informal Count :	0
Last Informal Action Date :	N/R
Formal Action Count :	0
Last Formal Action Date :	N/R
Total Penalties :	0
Penalty Count :	N/R
Last Penalty Date :	N/R
Last Penalty Amount :	N/R
QTRS IN NC :	N/R
Programs IN SNC :	0

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Current Compliance Status :	N/R
Three-Year Compliance Status :	N/R
Collection Method :	N/R
Reference Point :	N/R
Accuracy Meters :	999999999
Derived Tribes :	N/R
Derived HUC :	07120001
Derived WBD :	071200010403
Derived STCTY FIPS :	18091
Derived Zip :	46350
Derived CD113 :	02
Derived CB2010 :	180910420001072
MYRTK Universe :	NNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	N/R
Facility NAICS :	327310 - Cement Manufacturing
Facility Last Inspection EPA Date :	N/R
Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	N/R
Facility Last Formal Act State Date :	N/R
Facility Last Informal Act EPA Date :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Facility Last Informal Act State Date:	N/R
Facility Federal Agency :	N/R
TRI Reporter :	N/R
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N/R
US Mexico Border Flag :	N/R
Chesapeak Bay Flag :	N/R
AIR Flag :	N
NPDES Flag :	N
SDWIS Flag :	N
RCRA Flag :	N
TRI Flag :	N
GHG Flag :	Y
Major Flag :	N/R
Active Flag :	N/R
NAA Flag :	N
Latitude :	41.630808
Longitude :	-86.708944
Last Date in Agency List :	2022-03-29

Facility Name :	CA PORTLAND CEMENT CO
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Last Inspection Date :	2015-12-15
Registry ID :	110017431233
FIPS Code :	06029
EPA Region :	09
Inspection Count :	3
Last Inspection Days :	537
Informal Count :	3
Last Informal Action Date :	2015-08-11
Formal Action Count :	2
Last Formal Action Date :	2015-10-10
Total Penalties :	3125
Penalty Count :	1

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Last Penalty Date :	2015-10-10
Last Penalty Amount :	3125
QTRS IN NC :	11
Programs IN SNC :	0
Current Compliance Status :	In Violation
Three-Year Compliance Status :	VVVVVVVVVVVU
Collection Method :	N/R
Reference Point :	N/R
Accuracy Meters :	17501
Derived Tribes :	N/R
Derived HUC :	18090206
Derived WBD :	180902061701
Derived STCTY FIPS :	06029
Derived Zip :	93501
Derived CD113 :	23
Derived CB2010 :	060290060073206
MYRTK Universe :	YNN
NPDES IDs :	N/R
CWA Permit Types :	N/R
CWA Compliance Tracking :	N/R
CWA NAICS :	N/R
CWA SICS :	N/R
CWA Inspection Count :	N/R
CWA Last Inspection Days :	N/R
CWA Informal Count :	N/R
CWA Formal Action Count :	N/R
CWA Last Formal Action Date :	N/R
CWA Penalties :	N/R
CWA Last Penalty Date :	N/R
CWA Last Penalty Amount :	N/R
CWA Quarters IN NC :	N/R
CWA Current Compliance Status :	N/R
CWA Current SNC Flag :	N
CWA 13 Quarters Compliance Status :	N/R
CWA 13 Quarters Effluent Exceedances:	N/R
CWA Three-Year QNCR Codes :	N/R
DFR URL :	Click here for hyperlink provided by the agency.
Facility SIC :	3241
Facility NAICS :	327310 - Cement Manufacturing, 32731 - Cement Manufacturing
Facility Last Inspection EPA Date :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ECHO ***(cont.)***

Facility Last Inspection State Date :	N/R
Facility Last Formal Act EPA Date :	2012-02-09
Facility Last Formal Act State Date :	2015-10-10
Facility Last Informal Act EPA Date :	2010-03-10
Facility Last Informal Act State Date:	2015-08-11
Facility Federal Agency :	N/R
TRI Reporter :	Y
Facility Imp Water Flag :	N/R
Current SNC Flag :	N
Indian County Flag :	N
Federal Flag :	N
US Mexico Border Flag :	N
Chesapeak Bay Flag :	N/R
AIR Flag :	Y
NPDES Flag :	N
SDWIS Flag :	Y
RCRA Flag :	Y
TRI Flag :	Y
GHG Flag :	Y
Major Flag :	Y
Active Flag :	Y
NAA Flag :	Y
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2017-06-05

EMI - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT CO.
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, 93501
County :	Kern
Facility ID :	9
Air Basin Code :	Mojave Desert
District :	EASTERN KERN APCD
County ID :	KER
SIC Code :	3241
CHAPIS :	N/R
CERR Code :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

EMI - CA ***(cont.)***

Last Date in Agency List : 2022-03-09

Additional Details

Year :	2018
Total Organic Gases (Tons/Year) :	8.154182352438629655344192544229605287 71
Reactive Organic Gases (Tons/Year) :	6.64
Carbon Monoxide (Tons/Year) :	576.32
Nitrogen Oxides (Tons/Year) :	1626
Sulfur Oxides (Tons/Year) :	456.63
Particulate Matter (Tons/Year) :	655.1149746303910419035954859592336628 47
Fine Particulate Matter (Tons/Year) :	314.41

FRS

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501-7738
County :	KERN

Site Details

Registry ID :	110017431233
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-11

Source Description

Source Description : AIR contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies. AFS contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name :	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT 9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT) MOJAVE | Mojave | mojave, CA
Database(s) :	[AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description :

The California Environmental Reporting System (CERS) is a statewide web-based user and information exchange system to support over 140,000 regulated businesses and over 130 local agencies in electronically collecting and reporting significant hazardous materials, hazardous waste and compliance and enforcement data as mandated by California law. Under oversight by Cal/EPA, certified local governing agencies (Unified Program Agencies - UPAs) consolidate, coordinate and provide consistent regulatory activities for six state and federal environmental programs.
The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

Source Description :

The Emission Inventory System (EIS) maintains an inventory of large stationary sources and voluntarily-reported smaller sources of air point pollution emitters. It contains information about facility sites and their physical location, emission units, emission processes, release points, control approaches, and regulations. Facility inventory data are kept separate from the emissions data and have stable identifiers to improve continuity from year to year and to help identify duplicate or missing facilities.
EPS
HWTS-DATAMART provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The NPDES module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.
OSHA-OIS

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name :	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT 9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT) MOJAVE | Mojave | mojave, CA
Database(s) :	[AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description :

RCRAInfo is EPA’s comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.
The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.
TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

Source Description :

The 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.

Source Description :

The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

FRS Environmental Interest

Source and System ID :
AIRS/AFS - 0602900009
API - EPS10055626
CA-CERS - 10154991
CA-ENVIROVIEW - 102355
CA-ENVIROVIEW - 102360
EIS - 4789311
HWTS-DATAMART - CAD008256315
ICIS - CAKCA0000602900009
ICIS - CAZ203975
OSHA-OIS - 316873918
OSHA-OIS - 340668888
OSHA-OIS - 341022002
OSHA-OIS - 341314110
RBLC - 143
RCRAINFO - CAD008256315
SFDW - CA1502034
TRIS - 93502CLFRN9350O
TSCA - 100605022
TSCA - TSCA4998

Facility Name : CALIFORNIA PORTLAND CEMENT-WELL 05/06 - CL2 TREATMENT
Facility Address : 9350 OAK CREEK ROAD, MOJAVE, CA 93501
County : N/R

Site Details

Registry ID : 110063527964
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2021-12-17

Source Description

Source Description : CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.

FRS Environmental Interest

Source and System ID :	CEDRI - CEDRI77282 SFDW - CA1502034 5275
Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Registry ID :	110017431233
FRS Facility URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-12-07

Source Description

Source Description :	AIR contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies. AFS contains compliance and permit data for stationary sources of air pollution regulated by the EPA, State, and Local air pollution agencies.
Source Description :	The California Environmental Reporting System (CERS) is a statewide web-based user and information exchange system to support over 140,000 regulated businesses and over 130 local agencies in electronically collecting and reporting significant hazardous materials, hazardous waste and compliance and enforcement data as mandated by California law. Under oversight by Cal/EPA, certified local governing agencies (Unified Program Agencies - UPAs) consolidate, coordinate and provide consistent regulatory activities for six state and federal environmental programs.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).
CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.
The Emission Inventory System (EIS) maintains an inventory of large stationary sources and voluntarily-reported smaller sources of air point pollution emitters. It contains information about facility sites and their physical location, emission units, emission processes, release points, control approaches, and regulations. Facility inventory data are kept separate from the emissions data and have stable identifiers to improve continuity from year to year and to help identify duplicate or missing facilities.
HWTS-DATAMART provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
The NPDES module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

Source Description :

RCRAInfo is EPA’s comprehensive information system that supports the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984 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. RCRAInfo also supports generation of the National Hazardous Waste Biennial Report. All generators and treatment, storage, and disposal facilities who handle hazardous waste are required to report to the EPA Administrator at least once every two years to support creation of the Biennial Report.

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.
TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

Source Description :

(E-GGRT, accessible through an EPA web page, is used to submit annual reports in support of the EPA rule for mandatory reporting of greenhouse gases (GHG) by large GHG emissions sources. Implementation of 40 CFR part 98 is referred to as the greenhouse gas reporting program (GHGRP). This comprehensive, nationwide emissions data will provide a better understanding of the sources of GHGs and will guide development of the policies and programs to reduce emissions. The publically available data will allow reporters to track their own emissions, compare them to similar facilities, and aid in identifying cost effective opportunities to reduce emissions in the future.

Source Description :

The 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.

Source Description :

The database that supports the Toxic Substances Control Act (TSCA) of 1976, which provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. Certain substances are generally excluded from TSCA, including, among others, food, drugs, cosmetics and pesticides. TSCA addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon and lead-based paint.

Map Id: A1
Direction:
Distance:
Elevation:
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Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

FRS Environmental Interest
Source and System ID :
AIRS/AFS - 0602900009
CA-CERS - 10154991
CA-ENVIROVIEW - 102355
CA-ENVIROVIEW - 102360
CEDRI - CEDRI77282
E-GGRT - 1006842
EIS - 4789311
HWTS-DATAMART - CAD008256315
ICIS - CAKCA0000602900009
ICIS - CAZ203975
RBLC - 143
RCRAINFO - CAD008256315
SFDW - CA1502034
TRIS - 93502CLFRN9350O
TSCA - 100605022
TSCA - TSCA4998

Facility Name : CALPORTLAND COMPANY MOJAVE PLANT
Facility Address : 9350 OAK CREEK ROAD, MOJAVE, CA 93501
County : KERN COUNTY

Site Details
Registry ID : 110063527964
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2022-05-11

Source Description

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description : (E-GGRT, accessible through an EPA web page, is used to submit annual reports in support of the EPA rule for mandatory reporting of greenhouse gases (GHG) by large GHG emissions sources. Implementation of 40 CFR part 98 is referred to as the greenhouse gas reporting program (GHGRP). This comprehensive, nationwide emissions data will provide a better understanding of the sources of GHGs and will guide development of the policies and programs to reduce emissions. The publically available data will allow reporters to track their own emissions, compare them to similar facilities, and aid in identifying cost effective opportunities to reduce emissions in the future.
The Safe Drinking Water Information System Federal Data Warehouse contains information about public water systems and their violations of EPA's drinking water regulations.

Source Description :

CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.

FRS Environmental Interest
Source and System ID : CEDRI - CEDRI77282
E-GGRT - 1006842
SFDW - CA1502034 5275

Facility Name : MOJAVE PLANT-CALIF PORTLAND
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN

Site Details
Registry ID : 110065626763
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2022-05-11

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description
Source Description : The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).
CEDRI is the EPA Compliance and Emissions Data Reporting Interface and combines data about emissions source tests, continuous emissions monitoring, and compliance and emissions reports.
TRIS is a publicly available EPA database reported annually by certain covered industry groups, as well as federal facilities. It contains information about more than 650 toxic chemicals that are being used, manufactured, treated, transported, or released into the environment, and includes information about waste management and pollution prevention activities.

FRS Environmental Interest
Source and System ID : API - 9350WMJVPL935AK
API - CEDRI10058239
CA-ENVIROVIEW - 135958

Facility Name : SOUTHERN CALIFORNIA EDISON CAL CEMENT SUBSTATION
Facility Address : 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL, MOJAVE, CA 93501
County : KERN

Site Details
Registry ID : 110066373560
FRS Facility URL : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2022-05-11

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name :	CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT 9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT) MOJAVE | Mojave | mojave, CA
Database(s) :	[AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

FRS ***(cont.)***

Source Description

Source Description :

The California Environmental Protection Agency (CalEPA) has recently implemented a new data warehouse system (nSite). This data warehouse combines and merges facility and site information from five different systems managed within CalEPA. The five systems are: California Environmental Reporting System (CERS), EnviroStor, GeoTracker, California Integrated Water Quality System (CIWQS), and Toxic Release Inventory (TRI).

FRS Environmental Interest

Source and System ID :	CA-ENVIROVIEW - 155132

HAZNET - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT CO
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAC001148248
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	PO BOX 910, MOJAVE, CA 935020000
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

Waste Generator Details

State Waste :	1997: 223 - Unspecified oil-containing waste, 7.506 tons to CAT080013352 1995: 223 - Unspecified oil-containing waste, 7.506 tons to CAT080013352
Facility Name :	CALIFORNIA POTLAND CEMENT CO/MOJAVE CA/PRAXAIR INC
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000314073
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	9350 OAK CREEK RD, MOJAVE, CA 935017738
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :	2014: 221 - Waste oil and mixed oil, 0.209 tons to NVD980895338
Facility Name :	DAN COPP CRUSHING
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

Site Details

Generator EPA ID :	CAC002657313
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08
Facility Name :	MOJAVE READY MIX PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Site Details

Generator EPA ID :	CAL000354282
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	PERMANENT
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	2025 E FINANCIAL WAY, GLENDORA, CA 917410000
Latitude :	35.03830560
Longitude :	-118.29777749
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

State Waste : 2011: 134 - Aqueous solution with total organic residues less than 10 percent, 0.21 tons to CAD982444481

Facility Name : SOUTHERN CALIFORNIA EDISON - CAL CEMENT SUBSTATION
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN

Site Details

Generator EPA ID : CAC002764404
Active : Inactive
Category : STATE
Facility Types : N/R
Type : TEMPORARY
Contact Name : N/R
Contact Phone : N/R
Facility Mailing Address : PO BOX 800, ROSEMEAD, CA 917700000
Latitude : 35.03830573
Longitude : -118.29777733
Agency Hyperlink : Click here for hyperlink provided by the agency.
Last Date in Agency List : 2021-07-08

Waste Generator Details

State Waste : 2014: 261 - Polychlorinated biphenyls and material containing PCBs, 13.82772 tons to CAD050806850

Facility Name : VISTA METALS INC
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HAZNET - CA ***(cont.)***

Site Details

Generator EPA ID :	CAC001110160
Active :	Inactive
Category :	STATE
Facility Types :	N/R
Type :	TEMPORARY
Contact Name :	N/R
Contact Phone :	N/R
Facility Mailing Address :	13425 WHITTIAM AVE, FONTANA, CA 923350000
Latitude :	35.03830573
Longitude :	-118.29777733
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2021-07-08

Waste Generator Details

State Waste :	1996: 151 - Asbestos containing waste, 33.712 tons to CAD067786749

HIST AST - CA

Facility Name :	CalPortland Company
Facility Address :	9350 OAK CREEK RD, Mojave, CA 93501
County :	Kern

Site Details

CERS ID :	10154991
Facility ID :	N/R
EPA ID :	CAD008256315
Business Name :	CalPortland Company
Phone :	(661) 823-3731
Fax :	(661) 824-1033
Mailing Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
Owner Name :	CALPORTLAND COMPANY
Owner Phone :	(626) 852-6200
Owner Mailing Address :	2025 E FINANCIAL WAY, GLENDORA, CA 91741
Property Owner Name :	N/R
Property Owner Phone :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST AST - CA ***(cont.)***

Property Owner Mailing Address :	N/R
Operator Name :	CalPortland Company Mojave Plant
Operator Phone :	(661) 823-3710
CUPA :	N/R
Total Gallons :	N/R
Facility Latitude Measure :	35.03103
Facility Longitude Measure :	-118.31927
Last Date in Agency List :	2018-01-31

HIST CHMIRS - CA

Facility Address :	9350 oak creek rd between oil boiler an kiln, mojave, 93501
County :	KERN
Notified Date :	1995-03-13 14:03:03
Control Number :	007299
Substance 1 :	bunker c fuel oil
Quantity 1 :	unknown
Measure 1 :	N/R
Type 1 :	PETROLEUM
Pipeline 1 :	N/R
Vessel 1 (300 Tons) :	N/R
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	N/R
Vessel 2 (300 Tons) :	N/R
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R
Type 3 :	N/R
Pipeline 3 :	N/R
Vessel 3 (300 Tons) :	N/R
Description :	employee saw oil on surface of ground unknown cause under investigation -suspect underground oil line from boiler to kiln , spill contained on property

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST CHMIRS - CA ***(cont.)***

Contained :	NO
Water? :	YES
Water Way :	N/R
Incident Date :	1400/12mar95
Time :	N/R
Spill Site :	OTHER
Site :	N/R
Cause :	N/R
Other Causes :	N/R
Injuries (Y/N) :	NO
Injuries Number :	N/R
Fatal (Y/N) :	NO
Fatal Number :	N/R
Evacs (Y/N) :	NO
Evacs Number :	N/R
Cleanup :	california portland
Admin Agency :	N/R
Facility Address :	9350 Oak Creek Rd., Mojave, 93501
County :	Kern County
Notified Date :	2003-11-12 09:51:27
Control Number :	03-5864
Substance 1 :	Fuel Oil
Quantity 1 :	100
Measure 1 :	N/R
Type 1 :	N/R
Pipeline 1 :	N/R
Vessel 1 (300 Tons) :	N/R
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	N/R
Vessel 2 (300 Tons) :	N/R
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST CHMIRS - CA ***(cont.)***

Type 3 :	N/R
Pipeline 3 :	N/R
Vessel 3 (300 Tons) :	N/R
Description :	Unknown cause for leak in pipeline. The area has been bermed off.
Contained :	Yes
Water? :	N/R
Water Way :	N/R
Incident Date :	2003-11-08
Time :	N/R
Spill Site :	Industrial Plant
Site :	N/R
Cause :	N/R
Other Causes :	N/R
Injuries (Y/N) :	N/R
Injuries Number :	0
Fatal (Y/N) :	N/R
Fatal Number :	0
Evacs (Y/N) :	N/R
Evacs Number :	0
Cleanup :	Contractor
Admin Agency :	Kern Co. Environmental Health Services Dept
Facility Address :	9350 Oak Creek Road, Mojave, 93501
County :	Kern County
Notified Date :	2011-10-11 09:02:00
Control Number :	11-6051
Substance 1 :	Diesel
Quantity 1 :	200
Measure 1 :	Gal(s)
Type 1 :	PETROLEUM
Pipeline 1 :	No
Vessel 1 (300 Tons) :	No
Substance 2 :	N/R
Quantity 2 :	N/R
Measure 2 :	N/R
Type 2 :	N/R
Pipeline 2 :	No

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST CHMIRS - CA ***(cont.)***

Vessel 2 (300 Tons) :	No
Substance 3 :	N/R
Quantity 3 :	N/R
Measure 3 :	N/R
Type 3 :	N/R
Pipeline 3 :	No
Vessel 3 (300 Tons) :	No
Description :	RP states that while they were refueling the portable re-fueler the auto shut off did not function causing the release of diesel to the concrete an the soil. The release has been contained and no waterways were impacted.
Contained :	Yes
Water? :	No
Water Way :	N/R
Incident Date :	2011-10-11
Time :	835
Spill Site :	Industrial Plant
Site :	N/R
Cause :	Mechanical
Other Causes :	N/R
Injuries (Y/N) :	No
Injuries Number :	N/R
Fatal (Y/N) :	No
Fatal Number :	N/R
Evacs (Y/N) :	No
Evacs Number :	N/R
Cleanup :	Reporting Party
Admin Agency :	Kern Co. Environmental Health Services Department

HIST LDS - CA

Facility Name :	MOJAVE PLANT-CALIF PORTLAND
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
Facility ID :	N/R
Facility Type :	LAND DISPOSAL SITE

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HIST LDS - CA ***(cont.)***

Status :	OPEN
Global ID :	L10009509578
Site Code :	N/R
Last Date in Agency List :	2014-07-10

HWG - CA

Facility Name :	CALIFORNIA PORTLAND CEMENT CO
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC001148248
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	PO BOX 910, MOJAVE, CA 935020000
Owner Name :	CALIFORNIA PORTLAND CEMENT CO
Owner Address :	PO BOX 910, MOJAVE, CA 935020000
Operator Name :	GEORGE VERDUGO
Operator Address :	VERDUGO CONSTRUCTION, LINDSAY, CA 932470000
Latitude :	35.039694
Longitude :	-118.247567
Facility Name :	CALIFORNIA POTLAND CEMENT CO/MOJAVE CA/PRAXAIR INC
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAL000314073
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	9350 OAK CREEK RD, MOJAVE, CA 935017738
Owner Name :	PRAXAIR INC
Owner Address :	39 OLD RIDGEBURY RD, DANBURY, CT 06810
Operator Name :	JOHN CLANTON

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HWG - CA ***(cont.)***

Operator Address :	2108 KNOLLWOOD CT, ROSAMOND, CA 93560
Latitude :	35.039189
Longitude :	-118.30166
Facility Name :	DAN COPP CRUSHING
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC002657313
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Owner Name :	DON COPP CRUSHING
Owner Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Operator Name :	TREVOR COPP
Operator Address :	1300 N HANCOCK ST, ANAHEIM, CA 928071928
Latitude :	35.03929
Longitude :	-118.30176
Facility Name :	MOJAVE READY MIX PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAL000354282
Status :	Inactive
Category :	STATE
Type :	PERMANENT
Facility Type :	N/R
Mailing Address :	2025 E FINANCIAL WAY, GLENDORA, CA 917410000
Owner Name :	CALPORTLAND COMPANY
Owner Address :	2025 E FIANCIAL WAY, GLENDORA, CA 917410000
Operator Name :	JULIA LAKES
Operator Address :	2025 E. FINANCIAL WAY, GLENDORA, CA 91741
Latitude :	35.039284

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

HWG - CA ***(cont.)***

Longitude :	-118.301622
Facility Name :	SOUTHERN CALIFORNIA EDISON - CAL CEMENT SUBSTATION
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC002764404
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	PO BOX 800, ROSEMEAD, CA 917700000
Owner Name :	SOUTHERN CALIFORNIA EDISON
Owner Address :	PO BOX 800, ROSEMEAD, CA 917700000
Operator Name :	SARA M. DUVALL
Operator Address :	P.O. BOX 800, ROSEMEAD, CA 91770
Latitude :	35.038306
Longitude :	-118.297777
Facility Name :	VISTA METALS INC
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN
EPA ID :	CAC001110160
Status :	Inactive
Category :	STATE
Type :	TEMPORARY
Facility Type :	N/R
Mailing Address :	13425 WHITTIAM AVE, FONTANA, CA 923350000
Owner Name :	VISTA METALS INC
Owner Address :	N/A
Operator Name :	ROBERT PRAESKE VP
Operator Address :	N/A
Latitude :	35.039694
Longitude :	-118.247567

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

ICIS

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501

Site Details

NPDES ID :	CAZ203975
ICIS Facility Interest ID :	3600725277
Facility UIN :	110017431233
Facility Type Code :	Privately Owned Facility
Impaired Waters :	N/R
Latitude :	35.03932
Longitude :	-118.30175
Last Date in Agency List :	2022-05-02

Facility SIC

SIC Code :	3241
SIC Description :	Cement, Hydraulic

INACTIVE PCS

Issue Date :	2015-07-01
Original Issue Date :	2015-07-01
Effective Date :	2015-07-01
Expiration Date :	2020-06-30
Retirement Date :	N/R
Termination Date :	N/R
Issuing Agency :	CA Waterboards
Agency Type :	State
Activity ID :	3601104638
External Permit Number :	CAZ203975
Facility Type Indicator :	NON-POTW
Permit Type :	General Permit Covered Facility-NPDES)
Major Minor Status :	N
Permit Status :	Expired
Total Design Flow Number :	N/R
Actual Average Flow Number :	N/R
State Water Body :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

INACTIVE PCS ***(cont.)***

State Water Body Name :	N/R
Permit Name :	CalPortland Co
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	CAS000001
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2022-01-14

LDS - CA

Facility Name :	CALPORTLAND - MOJAVE CEMENT PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	Kern

Site Details

Status Date :	1965-01-01
Status :	Open
Begin Date :	N/R
Global ID :	L10009509578
Site History :	N/R
RB Case Number :	6B152003001
Potential Media Affected :	N/R
Potential Contaminants of Concern :	N/R
Local Agency :	N/R
Local Case Number :	N/R
Lead Agency :	LAHONTAN RWQCB (REGION 6V)
File Location :	N/R
CUF Case :	NO
Caseworker :	TEB
Case Type :	Land Disposal Site
How Discovered :	N/R
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Antelope - Willow Springs (626.30)
DWR Groundwater Subbasin Name :	Fremont Valley (6-046)

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Disadvantaged Community :	N/R
Latitude :	35.039291
Longitude :	-118.301648
Agency URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-05-04

Contacts Summary

Global ID :	L10009509578
Contact Name :	THOMAS EDWARD BROWNE
Contact Type :	Regional Board Caseworker
Organization Name :	LAHONTAN RWQCB (REGION 6V)
Address :	15095 Armagosa Road, Building 2, Suite 210
City :	VICTORVILLE
Phone Number :	7602417391
Email :	thomas.browne@waterboards.ca.gov

Regulatory Activities

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Date :	2022-02-22
Global ID :	L10009509578
Action Type :	ENFORCEMENT
Action :	Staff Letter

Date :	2022-02-16
Global ID :	L10009509578
Action Type :	ENFORCEMENT
Action :	Email Correspondence

Date :	2022-02-14
Global ID :	L10009509578

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Action Type : RESPONSE
Action : Email Correspondence - Regulator Responded

Date : 2022-02-03
Global ID : L10009509578
Action Type : RESPONSE
Action : Financial Assurance - Regulator Responded

Date : 2022-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Date : 2022-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2021-07-13
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2021-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Date : 2021-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Date :	2020-07-10
Global ID :	L10009509578
Action Type :	RESPONSE
Action :	Other Report / Document

Date :	2020-01-13
Global ID :	L10009509578
Action Type :	RESPONSE
Action :	Monitoring Report - Annually

Date :	2020-01-13
Global ID :	L10009509578
Action Type :	RESPONSE
Action :	Monitoring Report - Semi-Annually

Date :	2019-09-03
Global ID :	L10009509578
Action Type :	ENFORCEMENT
Action :	Email Correspondence

Date :	2019-07-09
Global ID :	L10009509578
Action Type :	RESPONSE
Action :	Monitoring Report - Semi-Annually

Date :	2019-01-11
Global ID :	L10009509578
Action Type :	RESPONSE
Action :	Monitoring Report - Annually

Date :	2019-01-11
Global ID :	L10009509578
Action Type :	RESPONSE
Action :	Monitoring Report - Semi-Annually

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Date : 2019-01-09
Global ID : L10009509578
Action Type : ENFORCEMENT
Action : Site Visit / Inspection / Sampling

Date : 2018-07-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Other Report / Document

Date : 2018-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Annually

Date : 2018-01-12
Global ID : L10009509578
Action Type : RESPONSE
Action : Monitoring Report - Semi-Annually

Status History
Status Date : N/R
Global ID : L10009509578
Status : N/R

Facility Name : MOJAVE PLANT-CALIF PORTLAND
Facility Address : 9350 OAK CREEK RD, MOJAVE, CA 93501
County : KERN COUNTY

Site Details
Status Date : N/R
Status : OPEN AS OF 1/1/1965

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Begin Date :	N/R
Global ID :	L10009509578
Site History :	N/R
RB Case Number :	6B152003001
Potential Media Affected :	NONE SPECIFIED
Potential Contaminants of Concern :	NONE SPECIFIED
Local Agency :	N/R
Local Case Number :	N/R
Lead Agency :	LAHONTAN RWQCB (REGION 6V) (LEAD)
File Location :	N/R
CUF Case :	N/R
Caseworker :	JEFFREY SCOTT FITZSIMMONS
Case Type :	LAND DISPOSAL SITE
How Discovered :	N/R
How Discovered Description :	N/R
Stop Method :	N/R
Stop Description :	N/R
Calwater Watershed Name :	Antelope - Willow Springs (626.30)
DWR Groundwater Subbasin Name :	Fremont Valley (6-46)
Disadvantaged Community :	N/R
Latitude :	N/R
Longitude :	N/R
Agency URL :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2017-06-20

Contacts Summary

Global ID :	L10009509578
Contact Name :	N/R
Contact Type :	N/R
Organization Name :	N/R
Address :	N/R
City :	N/R
Phone Number :	N/R
Email :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
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Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

LDS - CA ***(cont.)***

Regulatory Activities

Date :	N/R
Global ID :	L10009509578
Action Type :	N/R
Action :	N/R

Status History

Status Date :	N/R
Global ID :	L10009509578
Status :	N/R

MANIFEST EPA

Manifest Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Manifest Number :	008099602SKS
Shipped Date :	2021-09-23
Updated Date :	2021-10-26
Received Date :	2021-10-04
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	CAD044429835
Destination Name :	Clean Harbors Wilmington LLC
Destination Mailing :	1737 East Denni Street, Wilmington, CA 90744
Destination Address :	1737 East Denni Street, Wilmington, CA 90744
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Last Date in Agency List : 2022-03-20

Waste Details

Waste Line Number : 1
Is DOT Hazardous : Y
DOT ID Number : UN2800
DOT Information : UN2800, UN2800, WASTE BATTERIES, WET, NON-SPILLABLE, 8, 8, NONE
Non Waste Description : N/R
Quantity : 150 Pounds
Quantity Tons, Acute, Non-Acute : 0.075, 0, 0.075
Quantity Kg, Acute, Non-Acute : 0, 68.02725
Management Method : H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste : N
Federal Code : N/R
State Code : CA - 792

Waste Line Number : 4
Is DOT Hazardous : N
DOT ID Number : N/R
DOT Information : N/R
Non Waste Description : NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (NON PCB BALLAST), N/A, NONE
Quantity : 100 Pounds
Quantity Tons, Acute, Non-Acute : 0.05, 0, 0.05
Quantity Kg, Acute, Non-Acute : 0, 45.3515
Management Method : H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste : N
Federal Code : N/R
State Code : CA - 181

Waste Line Number : 5
Is DOT Hazardous : N
DOT ID Number : N/R
DOT Information : N/R
Non Waste Description : NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (NON PCB CAPACITOR), N/A, NONE

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Quantity :	250 Pounds
Quantity Tons, Acute, Non-Acute :	0.125, 0, 0.125
Quantity Kg, Acute, Non-Acute :	0, 113.37875
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 181

Manifest Details

Manifest Number :	008099603SKS
Shipped Date :	2021-09-23
Updated Date :	2021-11-12
Received Date :	2021-10-13
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	UTD991301748
Destination Name :	Clean Harbors Grassy Mountain LLC
Destination Mailing :	PO Box 22750, Salt Lake City, UT 84122
Destination Address :	3 Miles East 7 Miles North of Knolls Exit 41 off I-80, Grantsville, UT 84029
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLID) USED OIL FILTERS CONTAINING USED OI (DRAINED AND UNDRAINED OIL FILTERS), N/A, NONE
Quantity :	300 Pounds
Quantity Tons, Acute, Non-Acute :	0.15, 0, 0.15
Quantity Kg, Acute, Non-Acute :	0, 136.0545
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 223
Waste Line Number :	3
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLIDS (OIL, DIRT , SAND, ABSORBENTS AND DIESEL FUEL), N/A, NONE
Quantity :	3750 Pounds
Quantity Tons, Acute, Non-Acute :	1.875, 0, 1.875
Quantity Kg, Acute, Non-Acute :	0, 1700.6813
Management Method :	H132 - LANDFILL (WITH PRIOR TREATMENT AND/OR STABILIZATION)
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 352

Manifest Details

Manifest Number :	008099604SKS
Shipped Date :	2021-09-23
Updated Date :	2021-10-19
Received Date :	2021-09-29
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	CAD059494310
Destination Name :	Clean Harbors San Jose LLC
Destination Mailing :	1021 Berryessa Road, San Jose, CA 95133
Destination Address :	1021 Berryessa Road, San Jose, CA 95133
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	Y
DOT ID Number :	NA1993
DOT Information :	RQ, NA1993, WASTE RQ, NA1993, WASTE COMBUSTIBLE LIQUID, N. O.S., (PETROLEUM HYDROCARBONS, XYLENE), COMBUSTIBLE LIQUID, PG III (F001, F003), COMBUSTIBLE LIQUID, PG III (F001, F003)
Non Waste Description :	N/R
Quantity :	4800 Pounds
Quantity Tons, Acute, Non-Acute :	2.4, 0, 2.4
Quantity Kg, Acute, Non-Acute :	0, 2176.872
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	Y
Federal Code :	D008, D040, F001, F002, F003
State Code :	CA - 343

Manifest Details

Manifest Number :	008099630SKS
Shipped Date :	2021-09-23
Updated Date :	2021-11-01
Received Date :	2021-10-12

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	AZR000003681
Destination Name :	Thermo Fluids, Inc.
Destination Mailing :	4301 West Jefferson Street, Phoenix, AZ 85043
Destination Address :	4301 West Jefferson Street, Phoenix, AZ 85043
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	N
DOT ID Number :	N/R
DOT Information :	N/R
Non Waste Description :	NONE, NON-RCRA HAZARDOUS WASTE, SOLID (DRAINED/UNDRAINED USED OIL FILTERS), N/A, NONE
Quantity :	300 Pounds
Quantity Tons, Acute, Non-Acute :	0.15, 0, 0.15
Quantity Kg, Acute, Non-Acute :	0, 136.0545
Management Method :	H039 - OTHER RECOVERY OR RECLAMATION FOR REUSE
Is EPA Waste :	N
Federal Code :	N/R
State Code :	CA - 223

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

Manifest Details

Manifest Number :	008025759SKS
Shipped Date :	2021-08-12
Updated Date :	2021-09-14
Received Date :	2021-08-23
Status :	Signed
Generator ID :	CAD008256315
Generator Name :	Cal Portland - Mojave
Generator Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
Generator Mailing :	2025 E Financial Way Attn Rene Babich, Glendora, CA 91741
Generator Contact :	Cal Portland - Mojave
Destination ID :	CAD059494310
Destination Name :	Clean Harbors San Jose LLC
Destination Mailing :	1021 Berryessa Road, San Jose, CA 95133
Destination Address :	1021 Berryessa Road, San Jose, CA 95133
Destination Contact :	N/R
Submission Type :	DataImage5Copy
Origin Type :	Service
Manifest Residue :	N
Rejection :	N
Last Date in Agency List :	2022-03-20

Waste Details

Waste Line Number :	1
Is DOT Hazardous :	Y
DOT ID Number :	NA1993
DOT Information :	RQ, NA1993, WASTE RQ, NA1993, WASTE COMBUSTIBLE LIQUID, N. O.S., (PETROLEUM HYDROCARBONS, XYLENE), COMBUSTIBLE LIQUID, PG III (F001, F003), COMBUSTIBLE LIQUID, PG III (F001, F003)
Non Waste Description :	N/R
Quantity :	5600 Pounds
Quantity Tons, Acute, Non-Acute :	2.8, 0, 2.8
Quantity Kg, Acute, Non-Acute :	0, 2539.684
Management Method :	H141 - STORAGE, BULKING AND/OR TRANSFER OFF SITE
Is EPA Waste :	Y
Federal Code :	D008, D040, F001, F002, F003

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

MANIFEST EPA ***(cont.)***

State Code :	CA - 343

NPDES - CA

Facility Name :	CalPortland Company
Facility Address :	9350 Oak Creek Rd, Mojave, 93501
County :	Kern
Effective Date :	1992-04-22
Adoption Date :	N/R
Expiration Date :	N/R
Termination Date :	N/R
Order Number :	97-03-DWQ
NPDES Number :	CAS000001
WDID :	6B15I006255
RM Status :	Active
Reg Meas ID :	203975
Reg Meas Type :	Enrollee
Program :	Industrial
Facility Place ID :	N/R
Region Code :	6B
Discharger ID :	0
Discharger :	CalPortland Co
Discharger Address :	2025 E Financial Way, Glendora, California 91741
Last Date in Agency List :	2022-05-17
Facility Name :	CA Portland Cement
Facility Address :	9350 Oak Creek Rd, Mojave, 93501
County :	Kern
Effective Date :	1992-04-22
Adoption Date :	N/R
Expiration Date :	N/R
Termination Date :	N/R
Order Number :	97-03-DWQ
NPDES Number :	CAS000001
WDID :	6B15I006255

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

NPDES - CA ***(cont.)***

RM Status :	Active
Reg Meas ID :	203975
Reg Meas Type :	Enrollee
Program :	Industrial
Facility Place ID :	N/R
Region Code :	6B
Discharger ID :	0
Discharger :	CalPortland Co
Discharger Address :	2025 E Financial Wy, Glendora, California 91741
Last Date in Agency List :	2015-01-07
Facility Name :	Mojave Ready Mix Plant
Facility Address :	9350 Oak Creek Rd, Mojave, 93501
County :	Kern
Effective Date :	2010-05-13
Adoption Date :	N/R
Expiration Date :	N/R
Termination Date :	2013-12-11
Order Number :	97-03-DWQ
NPDES Number :	CAS000001
WDID :	6B15I022635
RM Status :	Terminated
Reg Meas ID :	403290
Reg Meas Type :	Enrollee
Program :	Industrial
Facility Place ID :	N/R
Region Code :	6B
Discharger ID :	0
Discharger :	CalPortland Co
Discharger Address :	2025 E Financial Wy, Glendora, California 91741
Last Date in Agency List :	2016-10-20

PCS FACILITY

Issue Date :	2015-07-01
Original Issue Date :	2015-07-01
Effective Date :	2015-07-01

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PCS FACILITY ***(cont.)***

Expiration Date :	2020-06-30
Retirement Date :	N/R
Termination Date :	N/R
Issuing Agency :	CA Waterboards
Agency Type :	State
Activity ID :	3601104638
External Permit Number :	CAZ203975
Facility Type Indicator :	NON-POTW
Permit Type :	General Permit Covered Facility-NPDES)
Major Minor Status :	N
Permit Status :	Effective
Total Design Flow Number :	N/R
Actual Average Flow Number :	N/R
State Water Body :	N/R
State Water Body Name :	N/R
Permit Name :	CalPortland Co
Permit Comp Status :	Y
RNC Tracking :	Y
Master External Permit Number :	CAS000001
TMDL Interface :	N/R
EDMR Authorization :	N
Pretreatment Indicator :	N/R
Last Date in Agency List :	2020-02-11

PWS

Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
PWS ID :	CA1502034
PWS Type :	Non-Transient non-community system
PWS Name :	CALIFORNIA PORTLAND CEMENT
Activity Status :	Active
Primary Source :	Ground water
Submission Year :	2022
Submission Year Quarter :	2022Q1
Population Served Count :	200
Service Connections Count :	14
Population Category 2 :	<10,000
Population Category 3 :	<=3300

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ***(cont.)***

Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	101-500
Submission Quarter :	1
Submission Status Code :	Y
First Reported Date :	1979-03-22
Last Reported Date :	2022-03-31
Deactivation Date :	N/R
GW or SW :	Groundwater
Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	California
Primacy Type :	State
Org Name :	MALES, BRIAN
EPA Region :	Region 9
Admin Name :	MALES, BRIAN
Owner Type :	Private
Phone Number :	661-823-3731
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	bmales@calportland.com
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	Y
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2022-05-10

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF

Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501

Site Details

PWS ID :	CA1502034
PWS Name :	CALIFORNIA PORTLAND CEMENT
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private
Phone Number :	661-823-3731
Last Date in Agency List :	2022-03-28

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	N/R
Violation ID :	8461513
Submission Year :	2021
Violation First Reported Date :	1984-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	N/R
Violation ID :	8314563
Submission Year :	2021
Violation First Reported Date :	1983-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019006
Violation ID :	819003
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Surface Water Treatment Rule
Rule Family :	Surface Water Treatment Rules
Rule Group :	Microbials
Rule Name :	Surface Water Treatment Rule
Violation Type :	Failure to Filter (SWTR)
Is Health Based :	Y

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2009-12-30
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019011
Violation ID :	1019012
Submission Year :	2021
Violation First Reported Date :	2018-02-12
Contaminant Name :	Revised Total Coliform Rule
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Revised Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, E. coli (RTCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	1
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-12-11
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019012
Violation ID :	519001
Submission Year :	2021
Violation First Reported Date :	2006-09-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2005-08-31
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019013
Violation ID :	819002
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-09-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019014
Violation ID :	819004

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-10-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019015
Violation ID :	919005
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-11-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

RTC Enforcement ID :	1019016
Violation ID :	919006
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-12-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019017
Violation ID :	919007
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2009-01-31
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RFR - CA

Facility Name :	CalPortland Company
Facility Address :	9350 Oak Creek Rd, Mojave, CA 93501
County :	Kern
Effective Date :	1992-04-22
Adoption Date :	N/R
Termination Date :	N/R
Expiration/Review Date :	N/R
NPDES Number :	CAS000001
Order Number :	2014-0057-DWQ
WDID :	6B15I006255
SIC/NAICS :	3241
Program :	INDSTW
Regulatory Measure Status :	Active
Regulatory Measure Type :	Storm water industrial
Place/Project Type :	Industrial - Cement, Hydraulic
Region :	6V
Design Flow :	N/R
Major/Minor :	N/R
Complexity :	N/R
TTWQ :	N/R
Number of Enforcement Actions within Five Years:	N/R
Number of Violations within Five Years:	N/R
Agency :	CalPortland Co
Agency Address :	2025 E Financial Way, Glendora, CA 91741
Latitude :	35.03932
Longitude :	-118.30175
Last Date in Agency List :	2022-03-07
Facility Name :	Mojave Plant-Calif Portland
Facility Address :	9350 Oak Creek Road, Mojave, CA 93501
County :	Kern

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

RFR - CA ***(cont.)***

Effective Date :	2001-10-10
Adoption Date :	2001-10-10
Termination Date :	N/R
Expiration/Review Date :	2030-10-10
NPDES Number :	N/R
Order Number :	01-054
WDID :	6B152003001
SIC/NAICS :	3271
Program :	LNDISP, LNDISPOTH
Regulatory Measure Status :	Active
Regulatory Measure Type :	WDR
Place/Project Type :	Concrete Manufacturing
Region :	6V
Design Flow :	.11
Major/Minor :	N/R
Complexity :	B
TTWQ :	1
Number of Enforcement Actions within Five Years:	N/R
Number of Violations within Five Years:	4
Agency :	California Portland Cement
Agency Address :	2025 East Financial Way, Glendora, CA 91741
Latitude :	35.039693
Longitude :	-118.247573
Last Date in Agency List :	2022-03-07

Facility Name :	Mojave Ready Mix Plant
Facility Address :	9350 Oak Creek Rd, Mojave, CA 93501
County :	Kern

Effective Date :	2010-05-13
Adoption Date :	N/R
Termination Date :	N/R
Expiration/Review Date :	N/R
NPDES Number :	CAS000001
Order Number :	97-03DW
WDID :	6B15I022635
SIC/NAICS :	3273

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

RFR - CA ***(cont.)***

Program :	INDSTW
Regulatory Measure Status :	Active
Regulatory Measure Type :	Storm water industrial
Place/Project Type :	Industrial - Ready-Mixed Concrete
Region :	6V
Design Flow :	N/R
Major/Minor :	N/R
Complexity :	N/R
TTWQ :	N/R
Number of Enforcement Actions within Five Years:	N/R
Number of Violations within Five Years:	N/R
Agency :	CalPortland Co
Agency Address :	2025 E Financial Wy, Glendora, CA 91741
Latitude :	35.03932
Longitude :	-118.30175
Last Date in Agency List :	2014-03-13

SEMS_8R_ARCHIVED SITES

Facility Name :	CALIFORNIA PORTLAND CEMENT, CO.
Facility Address :	9350 OAK CREEK RD., MOJAVE, CA 93501
County :	KERN

Site Details

Site ID :	0904614
EPA ID :	CAD008256315
Region :	09
Congressional District :	20
Federal Facility :	N
Federal Facility Docket :	N
NPL Status :	Not on the NPL
Non NPL Status :	NFRAP-Site does not qualify for the NPL based on existing information
FIPS Code :	06029
Superfund Alternative Agreement :	N
Last Date in Agency List :	2022-02-21

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

SEMS_8R_ARCHIVED SITES ***(cont.)***

Additional Information

Start Date :	1994-03-24
Finish Date :	1995-05-04
OU :	00
Action Code :	SI
Action Name :	SI
Sequence :	1
Quality :	N
Current Action Lead :	EPA Perf

Start Date :	1992-10-16
Finish Date :	1992-10-16
OU :	00
Action Code :	DS
Action Name :	DISCVRY
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf

Start Date :	N/R
Finish Date :	1996-01-23
OU :	00
Action Code :	VS
Action Name :	ARCH SITE
Sequence :	1
Quality :	N/R
Current Action Lead :	EPA Perf In-Hse

Start Date :	N/R
Finish Date :	1994-03-16
OU :	00
Action Code :	PA
Action Name :	PA
Sequence :	1
Quality :	L
Current Action Lead :	EPA Perf

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

STORMWATER

Facility Name :	CALPORTLAND COMPANY
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
NPDES ID :	CAZ203975
Permittee Name :	CalPortland Co
Permit Status :	Expired
Permit Issuing Name :	State
Issued Date :	2015-07-01
Effective Date :	2015-07-01
Termination Date :	N/R
Expiration Date :	2020-06-30
EPA Region :	09
SIC Code :	3241
NAICS Code :	N/R
EJ Indexes Above 80th Percentile :	0
Significant Noncompliance Status :	N/R
Quarters with Noncompliance :	0
Industrial Stormwater Formal Enforcement Actions:	N/R
Facility Map Flag :	Y
DRF URL :	Click here for hyperlink provided by the agency.
Latitude :	35.029298
Longitude :	-118.316236
Last Date in Agency List :	2022-03-21

TOSCA-PLANT

Facility Name :	CALIFORNIA PORTLAND CEMENT COMPANY MOJAVE PLANT
Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501-7738
Toxic Substances Control Act Report Link:	Click here for hyperlink provided by the agency.
Facility Report Link :	Click here for hyperlink provided by the agency.
Compliance Report Link :	Click here for hyperlink provided by the agency.
Number of Toxic Substances Control Act Chemicals:	4
Latitude :	35.029298
Longitude :	-118.316236

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TOSCA-PLANT ***(cont.)***

Last Date in Agency List :	2022-03-22

TRIS

Facility Name :	CALPORTLAND CO MOJAVE PLANT
Facility Address :	9350 OAK CREEK RD, MOJAVE, CA 93501
County :	KERN

Facility Details

TRIF ID :	93502CLFRN9350O
Federal Facility Flag :	NO
Primary NAICS :	327310 - Cement Manufacturing
NAICS 2 :	N/R
NAICS 3 :	N/R
NAICS 4 :	N/R
NAICS 5 :	N/R
NAICS 6 :	N/R
Agency Hyperlink :	Click here for hyperlink provided by the agency.
Last Date in Agency List :	2022-04-07

Contact Information

Public Contact Name :	BRIAN MALES
Public Contact Email :	BMALES@CALPORTLAND.COM
Public Contact Phone :	6618233731
Public Contact Phone Ext :	N/R
Parent Company Name :	TAIHEIYO CEMENT USA INC
Parent Company DB NR :	175418052

Reported Chemical Information

Reporting Year :	2020
Document Control Number :	1320218675522
CAS Number :	N420
Chemical Name :	Lead compounds
Unit of Measure :	Pounds

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Maximum Amount Onsite : 01

Reporting Year : 2020
Document Control Number : 1320218675546
CAS Number : N458
Chemical Name : Mercury compounds
Unit of Measure : Pounds
Maximum Amount Onsite : 01

Reporting Year : 2020
Document Control Number : 1320218675508
CAS Number : N150
Chemical Name : Dioxin and dioxin-like compounds
Unit of Measure : Grams
Maximum Amount Onsite : 12

Reporting Year : 2020
Document Control Number : 1320218675472
CAS Number : 7664-41-7
Chemical Name : Ammonia
Unit of Measure : Pounds
Maximum Amount Onsite : 04

Reporting Year : 2020
Document Control Number : 1320218675496
CAS Number : N090
Chemical Name : Chromium compounds (except for chromite ore mined in the Transvaal Region)
Unit of Measure : Pounds
Maximum Amount Onsite : 02

Onsite Release Summary
Total Fugitive Air Emissions : 0
Total Stack Air Emissions : 383

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Total Air Emissions :	383
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	64
Total Air Emissions :	64
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	.7123
Total Air Emissions :	.7123
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	4190
Total Air Emissions :	4190
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0
Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Total Fugitive Air Emissions :	0
Total Stack Air Emissions :	1
Total Air Emissions :	1
Total Number of Receiving Streams :	0
Total Surface Water Discharge :	0
Total Underground Injection Onsite to Class I Wells - Pounds:	0
Total Underground Injection Onsite to Class II-V Wells - Pounds:	0

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

TRIS ***(cont.)***

Total Underground Injection :	0
Total RCRA Subtitle C Landfills :	0
Total Other On-Site Land Releases :	0
Total Land Treatment :	0
Total Surface Impoundments :	N/R
Total Other Disposal :	0
Total On-Site Land Releases :	0

Offsite Release Summary

Total Transferred Off-Site to Disposal:	0
Total Transferred Off-Site for Further Waste Management:	0
Total RCRA C Surface Impoundments :	0
Total Other Surface Impoundments :	0

UST_KERN COUNTY - CA

Facility Name :	CalPortland Company
Facility Address :	9350 OAK CREEK RD, Mojave, CA 93501

Site Details

Facility ID :	FA0003180
CERS ID :	10154991
Mailing Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
Mailing Address (Care of) :	CalPortland Company Mojave Plant
Last Date in Agency List :	2022-04-15

Tank Details

Tank Number :	600017
Install Date :	1987-01-01
Date of Closure :	2004-06-10
Billing Status :	Inactive, non-billable
Number of Compartments :	N/R
Capacity :	5000

Map Id: A1
Direction:
Distance:
Elevation:
Relative:

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [AST - CA, AST_KERN COUNTY - CA, CALARP_KERN COUNTY - CA, CALEPA SITES - CA, CERCLIS NFRAP, CIWQS - CA, CIWQS 2 - CA, ECHO, EMI - CA, FRS, HAZNET - CA, HIST AST - CA, HIST CHMIRS - CA, HIST LDS - CA, HWG - CA, ICIS, INACTIVE PCS, LDS - CA, MANIFEST EPA, NPDES - CA, PCS FACILITY, PWS, PWS ENF, RFR - CA, SEMS_8R_ARCHIVED SITES, STORMWATER, TOSCA-PLANT, TRIS, UST_KERN COUNTY - CA] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

UST_KERN COUNTY - CA ***(cont.)***

Product Type :	REGULAR UNLEADED
Program/Element :	UNDERGROUND STORAGE TANK
Tank Number :	600017
Install Date :	1987-01-01
Date of Closure :	2004-06-10
Billing Status :	Inactive, non-billable
Number of Compartments :	N/R
Capacity :	15000
Product Type :	DIESEL
Program/Element :	UNDERGROUND STORAGE TANK

Map Id: A1
Direction: NW
Distance: 0.000 mi., 0 ft.
Elevation: 4276 ft.
Relative: Higher

Site Name : WINDMILL
35.031464, -118.343639
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816439
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02477OE
OBS Number :	06-020005
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399

Map Id: A1
Direction: NW
Distance: 0.000 mi., 0 ft.
Elevation: 4276 ft.
Relative: Higher

Site Name : WINDMILL
35.031464, -118.343639
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 816439
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Above Mean Sea Level Height (Feet) :	04661
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 53.27N
Longitude :	118 20 37.10W

Map Id: A2
Direction: NW
Distance: 0.000 mi., 0 ft.
Elevation: 4285 ft.
Relative: Higher

Site Name : WINDMILL
35.030883, -118.344881
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817400
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02476OE
OBS Number :	06-020006
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04675
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 51.18N
Longitude :	118 20 41.57W

Map Id: 3
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 4130 ft.
Relative: Higher

Site Name : WINDMILL
35.035989, -118.340011
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817034
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02425OE
OBS Number :	06-003248

Map Id: 3
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 4130 ft.
Relative: Higher

Site Name : WINDMILL
35.035989, -118.340011
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 817034
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04531
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 09.56N
Longitude :	118 20 24.04W

Map Id: 4
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4170 ft.
Relative: Higher

Site Name : WINDMILL
35.035717, -118.342061
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897767
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-20
Action :	Add
FAA Study Number :	2011WTW13033OE
OBS Number :	06-022634
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04576
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 08.58N
Longitude :	118 20 31.42W

Map Id: 5
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 4167 ft.
Relative: Higher

Site Name : WINDMILL
35.036569, -118.338431
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816103
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02426OE
OBS Number :	06-003249
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04548
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 11.65N
Longitude :	118 20 18.35W

Map Id: B6
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4215 ft.
Relative: Higher

Site Name : WINDMILL
35.0352, -118.345261
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817032
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02423OE
OBS Number :	06-003251
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04604
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 06.72N
Longitude :	118 20 42.94W

Map Id: B7
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4202 ft.
Relative: Higher

Site Name : WINDMILL
35.03585, -118.3441
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817033
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02424OE
OBS Number :	06-020080
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04596
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 09.06N
Longitude :	118 20 38.76W

Map Id: 8
Direction: SSW
Distance: 0.000 mi., 0 ft.
Elevation: 3806 ft.
Relative: Lower

Site Name : 10264605
35.012471, -118.345359
CA

Database(s) : [NWIS]

Envirosite ID: 9125888
EPA ID: N/R

NWIS

Site Identification Number :	10264605
Site Type :	Stream
Station Name :	JOSHUA C NR MOJAVE CA
Agency :	U.S. Geological Survey
District :	N/R
State :	CA
County :	Kern County
Country :	USA
Land Net Location :	SESES27 T11N R14W
Name of Location Map :	MONOLITH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	3800
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Antelope-Fremont Valleys
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNI
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	3.83
Contributing Drainage Area :	N/R

Map Id: 8
Direction: SSW
Distance: 0.000 mi., 0 ft.
Elevation: 3806 ft.
Relative: Lower

Site Name : 10264605
35.012471, -118.345359
CA

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 9125888
EPA ID: N/R

NWIS ***(cont.)***

Data Reliability :	N/R
Data-Other GW Files :	NNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	1959-01-06
Peak-Streamflow Data End Date :	2004
Peak-Streamflow Data Count :	21
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	N/R
Field Water-level Measurements End Date:	N/R
Field Water-Level Measurements Count:	0
Site-Visit Data Begin Date :	1992-04-01
Site-Visit Data End Date :	1993-03-16
Site-Visit Data Count :	3
Latitude :	35.012471
Longitude :	-118.345359
Last Date in Agency List :	2022-05-19

Map Id: 9
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 4103 ft.
Relative: Higher

Site Name : WINDMILL
35.037139, -118.33685
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821856
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02427OE
OBS Number :	06-003250
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04515
Horizontal Accuracy :	+-500'

Map Id: 9
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 4103 ft.
Relative: Higher

Site Name : WINDMILL
35.037139, -118.33685
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 821856
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Vertical Accuracy :	+-125'
Latitude :	35 02 13.70N
Longitude :	118 20 12.66W

Map Id: 10
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 4049 ft.
Relative: Higher

Site Name : WINDMILL
35.037711, -118.335261
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816105
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2007AWP02428OE
OBS Number :	06-003239
Obstacle Type :	WINDMILL
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00399
Above Mean Sea Level Height (Feet) :	04446
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 15.76N
Longitude :	118 20 06.94W

Map Id: 11
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4242 ft.
Relative: Higher

Site Name : WINDMILL
35.023594, -118.355325
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816091
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-09
Action :	Change
FAA Study Number :	2010WTW16756OE
OBS Number :	06-021109
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI

Map Id: 11
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4242 ft.
Relative: Higher

Site Name : WINDMILL
35.023594, -118.355325
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 816091
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04625
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 24.94N
Longitude :	118 21 19.17W

Map Id: 12
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4198 ft.
Relative: Higher

Site Name : TOWER
35.036819, -118.346269
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820337
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-12-09
Action :	Change
FAA Study Number :	2007AWP02432OE
OBS Number :	06-003187
Obstacle Type :	TOWER
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00252
Above Mean Sea Level Height (Feet) :	04449
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 12.55N
Longitude :	118 20 46.57W

Map Id: 13
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3985 ft.
Relative: Higher

Site Name : WINDMILL
35.038153, -118.333672
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897768
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-20
Action :	Add
FAA Study Number :	2011WTW13034OE
OBS Number :	06-022635
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04409
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 17.35N
Longitude :	118 20 01.22W

Map Id: 14
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 4149 ft.
Relative: Higher

Site Name : N/R
35.039, -118.3405
CA

Database(s) : [EPICENTERS]

Envirosite ID: 7276732
EPA ID: N/R

EPICENTERS

Updated Date :	2015-01-20
Time :	19:41:26
ID Number :	ci37307392
Status :	N/R
Type :	earthquake
Depth :	1.1
Magnitude :	1.33
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	15
Gap :	60
DMIN :	0.0483
RMS :	0.25
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.039
Longitude :	-118.3405
Last Date in Agency List :	2015-04-14

Map Id: C15
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4271 ft.
Relative: Higher

Site Name : WINDMILL
35.022653, -118.356994
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816087
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-23
Action :	Change
FAA Study Number :	2010WTW16755OE
OBS Number :	06-021078
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04654
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 21.55N
Longitude :	118 21 25.18W

Map Id: C16
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4325 ft.
Relative: Higher

Site Name : WINDMILL
35.022083, -118.358061
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822765
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-14
Action :	Change
FAA Study Number :	2010WTW16754OE
OBS Number :	06-021079
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04687
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 19.50N
Longitude :	118 21 29.02W

Map Id: D17
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4328 ft.
Relative: Higher

Site Name : WINDMILL
35.0215, -118.3591
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820236
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-16
Action :	Change
FAA Study Number :	2010WTW16753OE
OBS Number :	06-021085
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04692
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 17.40N
Longitude :	118 21 32.76W

Map Id: D18
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4292 ft.
Relative: Higher

Site Name : WINDMILL
35.020992, -118.360236
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820705
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-29
Action :	Change
FAA Study Number :	2010WTW16752OE
OBS Number :	06-021086
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04680
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 15.57N
Longitude :	118 21 36.85W

Map Id: 19
Direction: ENE
Distance: 0.000 mi., 0 ft.
Elevation: 3563 ft.
Relative: Lower

Site Name : PLANT
35.029722, -118.316389
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 805187
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-06-01
Action :	Change
FAA Study Number :	0079_WE00039OE
OBS Number :	06-000865
Obstacle Type :	PLANT
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Red
Verification Status :	Verified
Quantity :	5
Mark Indicator :	None
Above Ground Level Height (Feet) :	00318
Above Mean Sea Level Height (Feet) :	03881
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 47.00N
Longitude :	118 18 59.00W

Map Id: D20
Direction: W
Distance: 0.000 mi., 0 ft.
Elevation: 4354 ft.
Relative: Higher

Site Name : WINDMILL
35.020644, -118.361375
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816430
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-03
Action :	Change
FAA Study Number :	2010WTW16751OE
OBS Number :	06-021087
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04719
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 14.32N
Longitude :	118 21 40.95W

Map Id: 21
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3908 ft.
Relative: Lower

Site Name : N/R
35.0445, -118.3258333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36715117
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-13
Time :	17:49:14
ID Number :	ci37337552
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.49
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	77
DMIN :	0.0553
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0445
Longitude :	-118.3258333
Last Date in Agency List :	2015-04-14

Map Id: E22
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3847 ft.
Relative: Lower

Site Name : N/R
35.0433333, -118.3228333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36769026
EPA ID: N/R

EPICENTERS

Updated Date :	2014-09-17
Time :	17:12:35
ID Number :	ci37268880
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.02
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	62
DMIN :	0.05481
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0433333

Map Id: E22
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3847 ft.
Relative: Lower

Site Name : N/R
35.0433333, -118.3228333
CA
Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36769026
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3228333
Last Date in Agency List :	2014-10-14

Map Id: 23
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3884 ft.
Relative: Lower

Site Name : N/R
35.0415, -118.3195
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36721305
EPA ID: N/R

EPICENTERS

Updated Date :	2014-08-21
Time :	17:48:53
ID Number :	ci37260112
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.16
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	19
Gap :	55
DMIN :	0.05391
RMS :	0.11
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0415
Longitude :	-118.3195
Last Date in Agency List :	2014-10-14

Map Id: F24
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3973 ft.
Relative: Higher

Site Name : N/R
35.046, -118.3288333
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36807827
EPA ID: N/R

EPICENTERS

Updated Date :	2015-04-23
Time :	17:36:39
ID Number :	ci37150815

Map Id: F24
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3973 ft.
Relative: Higher

Site Name : N/R
35.046, -118.3288333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36807827
EPA ID: N/R

EPICENTERS ***(cont.)***

Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.51
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	11
Gap :	124
DMIN :	0.05625
RMS :	0.16
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.046
Longitude :	-118.3288333
Last Date in Agency List :	2015-07-13

Map Id: E25
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3850 ft.
Relative: Lower

Site Name : N/R
35.0436667, -118.322
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36799960
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-25
Time :	17:45:30
ID Number :	ci37346728
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.51
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	93
DMIN :	0.05532
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0436667
Longitude :	-118.322
Last Date in Agency List :	2015-04-14

Map Id: E26
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3839 ft.
Relative: Lower

Site Name : N/R
35.0433333, -118.3213333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36800071
EPA ID: N/R

EPICENTERS

Updated Date :	2014-09-24
Time :	18:02:34
ID Number :	ci37044175
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.16
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	20
Gap :	44
DMIN :	0.05517
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0433333
Longitude :	-118.3213333
Last Date in Agency List :	2014-10-14

Map Id: 27
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3935 ft.
Relative: Higher

Site Name : N/R
35.046, -118.3268333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36731008
EPA ID: N/R

EPICENTERS

Updated Date :	2015-04-06
Time :	17:06:43
ID Number :	ci37357632
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.34
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	20
Gap :	47
DMIN :	0.05658
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.046

Map Id: 27
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3935 ft.
Relative: Higher

Site Name : N/R
35.046, -118.3268333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36731008
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3268333
Last Date in Agency List :	2015-04-14

Map Id: F28
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3967 ft.
Relative: Higher

Site Name : N/R
35.0466667, -118.3283333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36710151
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-03
Time :	18:32:35
ID Number :	ci37107719
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.36
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	50
DMIN :	0.05698
RMS :	0.14
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0466667
Longitude :	-118.3283333
Last Date in Agency List :	2015-04-14

Map Id: E29
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3854 ft.
Relative: Lower

Site Name : WINDMILL
35.043769, -118.321319
ROSAMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815864
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-24
Action :	Change
FAA Study Number :	2013WTW08596OE

Map Id: E29
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3854 ft.
Relative: Lower

Site Name : WINDMILL
35.043769, -118.321319
ROSAMOND, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 815864
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

OBS Number :	06-022638
Obstacle Type :	WINDMILL
City Name :	ROSAMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04279
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 37.57N
Longitude :	118 19 16.75W

Map Id: 30
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3843 ft.
Relative: Lower

Site Name : WINDMILL
35.044422, -118.319897
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897770
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-21
Action :	Add
FAA Study Number :	2011WTW13036OE
OBS Number :	06-022641
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04271
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 39.92N
Longitude :	118 19 11.63W

Map Id: 31
Direction: NW
Distance: 0.000 mi., 0 ft.
Elevation: 4151 ft.
Relative: Higher

Site Name : N/R
35.0465, -118.353
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36774244
EPA ID: N/R

EPICENTERS

Updated Date :	2014-12-10
Time :	18:24:21
ID Number :	ci37068319
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.45
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	20
Gap :	68
DMIN :	0.05656
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0465
Longitude :	-118.353
Last Date in Agency List :	2015-01-14

Map Id: G32
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3828 ft.
Relative: Lower

Site Name : N/R
35.0458333, -118.3216667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36741549
EPA ID: N/R

EPICENTERS

Updated Date :	2014-05-08
Time :	17:56:28
ID Number :	ci15499225
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.37
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	19
Gap :	55
DMIN :	0.05747
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0458333

Map Id: G32
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3828 ft.
Relative: Lower

Site Name : N/R
35.0458333, -118.3216667
CA
Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36741549
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3216667
Last Date in Agency List :	2014-07-15

Map Id: G33
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3850 ft.
Relative: Lower

Site Name : N/R
35.0453333, -118.3205
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36713568
EPA ID: N/R

EPICENTERS

Updated Date :	2014-10-22
Time :	16:58:39
ID Number :	ci37281336
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.62
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	8
Gap :	124
DMIN :	0.05728
RMS :	0.08
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0453333
Longitude :	-118.3205
Last Date in Agency List :	2015-01-14

Map Id: H34
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3840 ft.
Relative: Lower

Site Name : N/R
35.0471667, -118.3243333
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36789988
EPA ID: N/R

EPICENTERS

Updated Date :	2014-10-09
Time :	18:23:46
ID Number :	ci37277440

Map Id: H34
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3840 ft.
Relative: Lower

Site Name : N/R
35.0471667, -118.3243333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36789988
EPA ID: N/R

EPICENTERS ***(cont.)***

Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.23
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	13
Gap :	77
DMIN :	0.05818
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0471667
Longitude :	-118.3243333
Last Date in Agency List :	2014-10-14

Map Id: 35
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3814 ft.
Relative: Lower

Site Name : N/R
35.0438333, -118.318
CA

Database(s) : [EPICENTERS]

Envirosite ID: 7273411
EPA ID: N/R

EPICENTERS

Updated Date :	2014-05-15
Time :	17:18:44
ID Number :	ci15502145
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.19
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	15
Gap :	77
DMIN :	0.05652
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0438333
Longitude :	-118.318
Last Date in Agency List :	2014-07-15

Map Id: G36
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3828 ft.
Relative: Lower

Site Name : N/R
35.0455, -118.3206667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36802706
EPA ID: N/R

EPICENTERS

Updated Date :	2014-10-01
Time :	19:53:15
ID Number :	ci37046135
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.11
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	62
DMIN :	0.05739
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0455
Longitude :	-118.3206667
Last Date in Agency List :	2014-10-14

Map Id: I37
Direction: E
Distance: 0.000 mi., 0 ft.
Elevation: 3463 ft.
Relative: Lower

Site Name : WINDMILL
35.024847, -118.306561
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815847
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-13
Action :	Change
FAA Study Number :	2013WTW08487OE
OBS Number :	06-021316
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03870
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 29.45N
Longitude :	118 18 23.62W

Map Id: H38
Direction: NNE
Distance: 0.000 mi., 0 ft.
Elevation: 3825 ft.
Relative: Lower

Site Name : N/R
35.0473333, -118.324
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36775393
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-10
Time :	17:03:34
ID Number :	ci37114295
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.32
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	16
Gap :	78
DMIN :	0.05841
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0473333
Longitude :	-118.324
Last Date in Agency List :	2015-04-14

Map Id: J39
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4225 ft.
Relative: Higher

Site Name : N/R
35.0476667, -118.3515
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36780493
EPA ID: N/R

EPICENTERS

Updated Date :	2015-01-13
Time :	19:16:37
ID Number :	ci37304728
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.16
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	22
Gap :	43
DMIN :	0.05752
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0476667

Map Id: J39
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4225 ft.
Relative: Higher

Site Name : N/R
35.0476667, -118.3515
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36780493
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3515
Last Date in Agency List :	2015-04-14

Map Id: I40
Direction: E
Distance: 0.000 mi., 0 ft.
Elevation: 3482 ft.
Relative: Lower

Site Name : WINDMILL
35.026033, -118.306239
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816095
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-04
Action :	Add
FAA Study Number :	2010WTW16829OE
OBS Number :	06-021365
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03884
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 33.72N
Longitude :	118 18 22.46W

Map Id: K41
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3846 ft.
Relative: Lower

Site Name : WINDMILL
35.044972, -118.318433
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897771
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-21
Action :	Add
FAA Study Number :	2011WTW13037OE
OBS Number :	06-022647
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA

Map Id: K41
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3846 ft.
Relative: Lower

Site Name : WINDMILL
35.044972, -118.318433
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 897771
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04260
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 41.90N
Longitude :	118 19 06.36W

Map Id: L42
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4116 ft.
Relative: Higher

Site Name : N/R
35.0491667, -118.3485
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36820965
EPA ID: N/R

EPICENTERS

Updated Date :	2015-02-03
Time :	19:23:09
ID Number :	ci37311968
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.2
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	20
Gap :	50
DMIN :	0.05871
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0491667
Longitude :	-118.3485
Last Date in Agency List :	2015-04-14

Map Id: J43
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4176 ft.
Relative: Higher

Site Name : N/R
35.0481667, -118.3516667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36738338
EPA ID: N/R

EPICENTERS

Updated Date :	2014-11-06
Time :	19:30:39
ID Number :	ci37285568
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.27
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	19
Gap :	58
DMIN :	0.05803
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0481667
Longitude :	-118.3516667
Last Date in Agency List :	2015-01-14

Map Id: K44
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3834 ft.
Relative: Lower

Site Name : N/R
35.0455, -118.3188333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36804301
EPA ID: N/R

EPICENTERS

Updated Date :	2014-09-19
Time :	18:53:37
ID Number :	ci37042479
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.09
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	68
DMIN :	0.05786
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0455

Map Id: K44
Direction: NE
Distance: 0.000 mi., 0 ft.
Elevation: 3834 ft.
Relative: Lower

Site Name : N/R
35.0455, -118.3188333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36804301
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3188333
Last Date in Agency List :	2014-10-14

Map Id: L45
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4126 ft.
Relative: Higher

Site Name : N/R
35.049, -118.3498333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36806322
EPA ID: N/R

EPICENTERS

Updated Date :	2015-05-01
Time :	18:11:43
ID Number :	ci37373240
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.51
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	22
Gap :	51
DMIN :	0.05866
RMS :	0.2
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.049
Longitude :	-118.3498333
Last Date in Agency List :	2015-07-13

Map Id: M46
Direction: ENE
Distance: 0.000 mi., 0 ft.
Elevation: 3638 ft.
Relative: Lower

Site Name : WINDMILL
35.035339, -118.308436
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821855
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-30
Action :	Change
FAA Study Number :	2013WTW08608OE

Map Id: M46
Direction: ENE
Distance: 0.000 mi., 0 ft.
Elevation: 3638 ft.
Relative: Lower

Site Name : WINDMILL
35.035339, -118.308436
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 821855
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

OBS Number :	06-021477
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04057
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 07.22N
Longitude :	118 18 30.37W

Map Id: 47
Direction: E
Distance: 0.000 mi., 0 ft.
Elevation: 3496 ft.
Relative: Lower

Site Name : WINDMILL
35.027083, -118.305439
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817021
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01292OE
OBS Number :	06-021329
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03900
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 37.50N
Longitude :	118 18 19.58W

Map Id: L48
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4130 ft.
Relative: Higher

Site Name : N/R
35.0491667, -118.3505
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36803889
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-07
Time :	18:49:48
ID Number :	ci37111455
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.76
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	6
Gap :	125
DMIN :	0.05889
RMS :	0.04
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0491667
Longitude :	-118.3505
Last Date in Agency List :	2015-04-14

Map Id: L49
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4066 ft.
Relative: Higher

Site Name : N/R
35.0496667, -118.3495
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36791706
EPA ID: N/R

EPICENTERS

Updated Date :	2014-10-02
Time :	18:46:34
ID Number :	ci37046935
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.78
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	12
Gap :	80
DMIN :	0.05929
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0496667

Map Id: L49
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4066 ft.
Relative: Higher

Site Name : N/R
35.0496667, -118.3495
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36791706
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3495
Last Date in Agency List :	2014-10-14

Map Id: N50
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 3927 ft.
Relative: Higher

Site Name : 11N14W14B002S
35.0514, -118.336
CA

Database(s) : [WELLS - GAMA - CA]

Envirosite ID: 36450412
EPA ID: N/R

WELLS - GAMA - CA

Well Details

Well ID :	11N14W14B002S
Well Type :	WATER SUPPLY, OTHER
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Source :	Department of Water Resources
Data Source :	WDL
Source Name :	11N14W14B002S
Other Names :	N/R
Latitude :	35.0514
Longitude :	-118.336
Last Date in Agency List :	2022-05-12

GM Chemicals

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Samp Collection Date :	1974-01-18
Chemical :	TDS (Total Dissolved Solids) 479 MG/L
CAS Number :	N/R
Reporting Limit :	1

Samp Collection Date :	1974-01-18
Chemical :	F (Fluoride) 1 MG/L
CAS Number :	N/R
Reporting Limit :	.1

Samp Collection Date :	1974-01-18
Chemical :	NO3N (Nitrate as N) .99 MG/L
CAS Number :	N/R
Reporting Limit :	.1

Map Id: N50
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 3927 ft.
Relative: Higher

Site Name : 11N14W14B002S
35.0514, -118.336
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 36450412
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Samp Collection Date :	1974-01-18
Chemical :	ALKCACO3 (Alkalinity as CaCO3) 414 MG/L
CAS Number :	N/R
Reporting Limit :	1
Samp Collection Date :	1974-01-18
Chemical :	MG (Magnesium) 46.4 MG/L
CAS Number :	N/R
Reporting Limit :	.1
Samp Collection Date :	1974-01-18
Chemical :	CL (Chloride) 17.7 MG/L
CAS Number :	N/R
Reporting Limit :	1
Samp Collection Date :	1974-01-18
Chemical :	PH (pH) 7.4 PH UNITS
CAS Number :	N/R
Reporting Limit :	.1
Samp Collection Date :	1974-01-18
Chemical :	SO4 (Sulfate) 36 MG/L
CAS Number :	N/R
Reporting Limit :	1
Samp Collection Date :	1974-01-18
Chemical :	K (Potassium) 2.3 MG/L
CAS Number :	N/R
Reporting Limit :	.1
Samp Collection Date :	1968-06-03
Chemical :	PH (pH) 8.5 PH UNITS
CAS Number :	N/R
Reporting Limit :	.1

Source Details

Datum :	N/R
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Latitude :	35.0514
Longitude :	-118.336

Source Chemicals

Samp Collection Date-Time :	1974-01-18
Chemical :	Total Dissolved Solids 479 mg/L at 105 deg C
Analytical Method :	UnkMod TDS

Map Id: N50
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 3927 ft.
Relative: Higher

Site Name : 11N14W14B002S
35.0514, -118.336
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 36450412
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Reporting Limit :	1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Dissolved Fluoride 1 mg/L
Analytical Method :	UnkMod Fluoride
Reporting Limit :	.1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Dissolved Nitrate 4.4 mg/L
Analytical Method :	UnkMod Nitrate
Reporting Limit :	.1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Total Alkalinity 414 mg/L as CaCO3
Analytical Method :	UnkMod Alkalinity
Reporting Limit :	1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Dissolved Magnesium 46.4 mg/L
Analytical Method :	UnkMod Magnesium
Reporting Limit :	.1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Dissolved Chloride 17.7 mg/L
Analytical Method :	UnkMod Chloride
Reporting Limit :	1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	pH 7.4 pH Units
Analytical Method :	EPA 150.1
Reporting Limit :	.1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Dissolved Sulfate 36 mg/L
Analytical Method :	UnkMod Sulfate
Reporting Limit :	1
Lab Note :	N/R
Samp Collection Date-Time :	1974-01-18
Chemical :	Dissolved Potassium 2.3 mg/L
Analytical Method :	UnkMod Potassium
Reporting Limit :	.1

Map Id: N50
Direction: N
Distance: 0.000 mi., 0 ft.
Elevation: 3927 ft.
Relative: Higher

Site Name : 11N14W14B002S
35.0514, -118.336
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 36450412
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Lab Note :	N/R
Samp Collection Date-Time :	1968-06-03
Chemical :	pH 8.5 pH Units
Analytical Method :	EPA 150.1
Reporting Limit :	.1
Lab Note :	N/R

Map Id: L51
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4080 ft.
Relative: Higher

Site Name : N/R
35.0496667, -118.3505
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36743696
EPA ID: N/R

EPICENTERS

Updated Date :	2015-01-14
Time :	19:11:00
ID Number :	ci37304984
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.36
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	15
Gap :	51
DMIN :	0.05939
RMS :	0.08
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0496667
Longitude :	-118.3505
Last Date in Agency List :	2015-04-14

Map Id: O52
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4112 ft.
Relative: Higher

Site Name : N/R
35.0488333, -118.3528333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36710854
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-03
Time :	19:50:19
ID Number :	ci37106743
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.27
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	74
DMIN :	0.05883
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0488333
Longitude :	-118.3528333
Last Date in Agency List :	2015-04-14

Map Id: O53
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4104 ft.
Relative: Higher

Site Name : N/R
35.0488333, -118.3531667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 7273789
EPA ID: N/R

EPICENTERS

Updated Date :	2014-10-21
Time :	19:42:56
ID Number :	ci37280768
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.62
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	10
Gap :	79
DMIN :	0.05887
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0488333

Map Id: O53
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4104 ft.
Relative: Higher

Site Name : N/R
35.0488333, -118.3531667
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 7273789
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3531667
Last Date in Agency List :	2015-01-14

Map Id: O54
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4100 ft.
Relative: Higher

Site Name : N/R
35.0493333, -118.3521667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36719965
EPA ID: N/R

EPICENTERS

Updated Date :	2014-10-30
Time :	18:29:06
ID Number :	ci37283928
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.26
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	62
DMIN :	0.05924
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0493333
Longitude :	-118.3521667
Last Date in Agency List :	2015-01-14

Map Id: O55
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4082 ft.
Relative: Higher

Site Name : N/R
35.049, -118.3538333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36822660
EPA ID: N/R

EPICENTERS

Updated Date :	2014-06-26
Time :	18:03:21
ID Number :	ci37236240

Map Id: O55
Direction: NNW
Distance: 0.000 mi., 0 ft.
Elevation: 4082 ft.
Relative: Higher

Site Name : N/R
35.049, -118.3538333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36822660
EPA ID: N/R

EPICENTERS ***(cont.)***

Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.58
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	7
Gap :	175
DMIN :	0.05913
RMS :	0.05
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.049
Longitude :	-118.3538333
Last Date in Agency List :	2014-07-15

Map Id: 56
Direction: WSW
Distance: 0.000 mi., 0 ft.
Elevation: 5298 ft.
Relative: Higher

Site Name : N/R
35.0083333, -118.3671667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 9751169
EPA ID: N/R

EPICENTERS

Updated Date :	2019-05-20
Time :	00:17:42
ID Number :	ci38599720
Status :	reviewed
Type :	earthquake
Depth :	7.7
Magnitude :	2.91
Magnitude Type :	Local (ml)
Magnitude Error :	0.197
Magnitude NST :	159
Magnitude Source :	ci
NST :	73
Gap :	26
DMIN :	0.02748
RMS :	0.17
Net :	ci
Horizontal Error :	0.13
Depth Error :	0.39
Location Source :	ci
Latitude :	35.0083333
Longitude :	-118.3671667
Last Date in Agency List :	2019-06-07

Map Id: H57
Direction: NNE
Distance: 0.020 mi., 105 ft.
Elevation: 3797 ft.
Relative: Lower

Site Name : N/R
35.0476667, -118.3235
CA

Database(s) : [EPICENTERS]

Envirosite ID: 7276545
EPA ID: N/R

EPICENTERS

Updated Date :	2015-03-27
Time :	16:58:14
ID Number :	ci37350880
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.39
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	27
Gap :	43
DMIN :	0.05883
RMS :	0.18
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0476667
Longitude :	-118.3235
Last Date in Agency List :	2015-04-14

Map Id: K58
Direction: NE
Distance: 0.027 mi., 143 ft.
Elevation: 3745 ft.
Relative: Lower

Site Name : N/R
35.0461667, -118.319
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36797343
EPA ID: N/R

EPICENTERS

Updated Date :	2014-07-03
Time :	18:20:18
ID Number :	ci15519225
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.4
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	50
DMIN :	0.05845
RMS :	0.08
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0461667

Map Id: K58
Direction: NE
Distance: 0.027 mi., 143 ft.
Elevation: 3745 ft.
Relative: Lower

Site Name : N/R
35.0461667, -118.319
CA
Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36797343
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.319
Last Date in Agency List :	2014-07-15

Map Id: P59
Direction: NNW
Distance: 0.036 mi., 191 ft.
Elevation: 3965 ft.
Relative: Higher

Site Name : N/R
35.0521667, -118.3466667
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36822053
EPA ID: N/R

EPICENTERS

Updated Date :	2014-12-03
Time :	21:01:25
ID Number :	ci37066159
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.52
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	9
Gap :	125
DMIN :	0.06157
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0521667
Longitude :	-118.3466667
Last Date in Agency List :	2015-01-14

Map Id: P60
Direction: NNW
Distance: 0.036 mi., 193 ft.
Elevation: 3962 ft.
Relative: Higher

Site Name : N/R
35.0521667, -118.3463333
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36750775
EPA ID: N/R

EPICENTERS

Updated Date :	2014-08-14
Time :	18:22:16
ID Number :	ci15538393

Map Id: P60
Direction: NNW
Distance: 0.036 mi., 193 ft.
Elevation: 3962 ft.
Relative: Higher

Site Name : N/R
35.0521667, -118.3463333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36750775
EPA ID: N/R

EPICENTERS ***(cont.)***

Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.66
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	9
Gap :	81
DMIN :	0.06155
RMS :	0.07
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0521667
Longitude :	-118.3463333
Last Date in Agency List :	2014-10-14

Map Id: 61
Direction: N
Distance: 0.037 mi., 198 ft.
Elevation: 3860 ft.
Relative: Lower

Site Name : 1502034-003
35.052286, -118.333421
CA

Database(s) : [WELLS - GAMA - CA]

Envirosite ID: 23662145
EPA ID: N/R

WELLS - GAMA - CA

Well Details

Well ID :	1502034-003
Well Type :	MUNICIPAL
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	20.0
Screen Length (Ft.) :	46.0
Source :	Division of Drinking Water
Data Source :	DDW
Source Name :	1502034-003
Other Names :	CA1502034_003_003
Latitude :	35.052286
Longitude :	-118.333421
Last Date in Agency List :	2022-05-12

Well ID :	1502034-003
Well Type :	MUNICIPAL
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	20.0
Screen Length (Ft.) :	46.0
Source :	Division of Drinking Water
Data Source :	DDW
Source Name :	1502034-003

Map Id: 61
Direction: N
Distance: 0.037 mi., 198 ft.
Elevation: 3860 ft.
Relative: Lower

Site Name : 1502034-003
35.052286, -118.333421
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662145
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Other Names :	N/R
Latitude :	35.052286
Longitude :	-118.333421
Last Date in Agency List :	2022-05-12

GM Chemicals

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Samp Collection Date :	2021-11-02
Chemical :	U (Uranium) 16 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2021-08-02
Chemical :	U (Uranium) 17 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2021-05-11
Chemical :	U (Uranium) 15 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2021-02-01
Chemical :	NO3N (Nitrate as N) 3.5 MG/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2021-02-01
Chemical :	U (Uranium) 15 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2020-11-09
Chemical :	U (Uranium) 13 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2020-11-09
Chemical :	ALPHA (Gross Alpha radioactivity) 6.26 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2020-11-09
Chemical :	U (Uranium) 14 pCi/L

Map Id: 61
Direction: N
Distance: 0.037 mi., 198 ft.
Elevation: 3860 ft.
Relative: Lower

Site Name : 1502034-003
35.052286, -118.333421
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662145
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

CAS Number : N/R
Reporting Limit : N/R

Samp Collection Date : 2020-08-10
Chemical : U (Uranium) 16 pCi/L
CAS Number : N/R
Reporting Limit : N/R

Samp Collection Date : 2020-08-10
Chemical : PCATE (Perchlorate) < 4 UG/L
CAS Number : N/R
Reporting Limit : N/R

Source Details
Datum : N/R
Well Depth (Ft.) : N/R
Top of Screen (Ft.) : N/R
Screen Length (Ft.) : N/R
Latitude : 35.052286
Longitude : -118.333421

Source Chemicals
Samp Collection Date-Time : 2021-11-02 11:00:00
Chemical : 4006 16 PCI/L
Analytical Method : EPA 200.8
Reporting Limit : N/R
Lab Note : N/R

Samp Collection Date-Time : 2021-08-02 11:30:00
Chemical : 4006 17 PCI/L
Analytical Method : EPA 200.8
Reporting Limit : N/R
Lab Note : N/R

Samp Collection Date-Time : 2021-05-11 14:40:00
Chemical : 4006 15.0000000 PCI/L
Analytical Method : N/R
Reporting Limit : N/R
Lab Note : N/R

Samp Collection Date-Time : 2021-02-01 11:15:00
Chemical : 1040 3.5000000 MG/L
Analytical Method : N/R
Reporting Limit : N/R
Lab Note : N/R

Map Id: 61
Direction: N
Distance: 0.037 mi., 198 ft.
Elevation: 3860 ft.
Relative: Lower

Site Name : 1502034-003
35.052286, -118.333421
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662145
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Samp Collection Date-Time :	2021-02-01 11:15:00
Chemical :	4006 15.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-11-09 10:31:00
Chemical :	4006 13.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-11-09 10:31:00
Chemical :	4109 6.2600000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-11-09 10:31:00
Chemical :	4006 14.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-08-10 11:00:00
Chemical :	4006 16.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-08-10 11:00:00
Chemical :	1039 < UG/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R

Map Id: N62
Direction: N
Distance: 0.040 mi., 213 ft.
Elevation: 3873 ft.
Relative: Lower

Site Name : 1502034-002
35.051993, -118.33484
CA

Database(s) : [WELLS - GAMA - CA]

Envirosite ID: 23662144
EPA ID: N/R

WELLS - GAMA - CA

Well Details

Well ID :	1502034-002

Map Id: N62
Direction: N
Distance: 0.040 mi., 213 ft.
Elevation: 3873 ft.
Relative: Lower

Site Name : 1502034-002
35.051993, -118.33484
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662144
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Well Type :	MUNICIPAL
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Source :	Division of Drinking Water
Data Source :	DDW
Source Name :	1502034-002
Other Names :	CA1502034_002_002
Latitude :	35.051993
Longitude :	-118.33484
Last Date in Agency List :	2022-05-12

Well ID :	1502034-002
Well Type :	MUNICIPAL
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Source :	Division of Drinking Water
Data Source :	DDW
Source Name :	1502034-002
Other Names :	N/R
Latitude :	35.051993
Longitude :	-118.33484
Last Date in Agency List :	2022-05-12

GM Chemicals

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Samp Collection Date :	2021-08-02
Chemical :	U (Uranium) 23 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2021-05-11
Chemical :	U (Uranium) 9.4 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2021-02-01
Chemical :	U (Uranium) 24 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	2020-11-09
Chemical :	U (Uranium) 24 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Map Id: N62
Direction: N
Distance: 0.040 mi., 213 ft.
Elevation: 3873 ft.
Relative: Lower

Site Name : 1502034-002
35.051993, -118.33484
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662144
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Samp Collection Date :	2020-08-10
Chemical :	U (Uranium) 21 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	2020-05-07
Chemical :	U (Uranium) 20 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	2020-02-04
Chemical :	U (Uranium) 20 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	2019-11-06
Chemical :	U (Uranium) 12 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	2019-08-05
Chemical :	U (Uranium) 14 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	2019-05-06
Chemical :	U (Uranium) 18 pCi/L
CAS Number :	N/R
Reporting Limit :	N/R

Source Details

Datum :	N/R
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Latitude :	35.051993
Longitude :	-118.33484

Source Chemicals

Samp Collection Date-Time :	2021-08-02 12:20:00
Chemical :	4006 23 PCI/L
Analytical Method :	EPA 200.8
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2021-05-11 14:10:00
Chemical :	4006 9.4000000 PCI/L

Map Id: N62
Direction: N
Distance: 0.040 mi., 213 ft.
Elevation: 3873 ft.
Relative: Lower

Site Name : 1502034-002
35.051993, -118.33484
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662144
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2021-02-01 11:15:00
Chemical :	4006 24.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-11-09 11:30:00
Chemical :	4006 24.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-08-10 11:45:00
Chemical :	4006 21.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-05-07 15:30:00
Chemical :	4006 20.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2020-02-04 10:30:00
Chemical :	4006 20.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2019-11-06 14:35:00
Chemical :	4006 12.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2019-08-05 10:15:00
Chemical :	4006 14.0000000 PCI/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	2019-05-06 09:20:00
Chemical :	4006 18.0000000 PCI/L
Analytical Method :	N/R

Map Id: N62
Direction: N
Distance: 0.040 mi., 213 ft.
Elevation: 3873 ft.
Relative: Lower

Site Name : 1502034-002
35.051993, -118.33484
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 23662144
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Reporting Limit :	N/R
Lab Note :	N/R

Map Id: N63
Direction: N
Distance: 0.041 mi., 218 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : USGS-350308118200301 |
350308118200301
35.052191, -118.335081
CA

Database(s) : [NWIS, WELLS - GAMA - CA]

Envirosite ID: 31271612
EPA ID: N/R

NWIS

Site Identification Number :	350308118200301
Site Type :	Well
Station Name :	011N014W14B001S
Agency :	U.S. Geological Survey
District :	N/R
State :	CA
County :	Kern County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	MONOLITH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	4000.00
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Antelope-Fremont Valleys
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNANNNNNNNNNNNNNNNNNNNNNNNNO
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1954-01-01
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYNYNYNN
National Aquifer :	Basin and Range basin-fill aquifers
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	60.0
Hole Depth :	84.0
Source of Depth Data :	N/R
Project Number :	9479335800
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	1970-06-03
Water-Quality Data End Date :	1987-08-20

Map Id: N63
Direction: N
Distance: 0.041 mi., 218 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : USGS-350308118200301 | 350308118200301
35.052191, -118.335081
CA

Database(s) : [NWIS, WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 31271612
EPA ID: N/R

NWIS ***(cont.)***

Water-Quality Data Count :	18
Field Water-Level Measurements Begin Date:	1954
Field Water-level Measurements End Date:	1956-03-19
Field Water-Level Measurements Count:	2
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	35.052191
Longitude :	-118.335081
Last Date in Agency List :	2022-05-19

WELLS - GAMA - CA

Well Details

Well ID :	USGS-350308118200301
Well Type :	WATER SUPPLY, OTHER
Well Depth (Ft.) :	60.0
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Source :	N/R
Data Source :	NWIS
Source Name :	USGS-350308118200301
Other Names :	N/R
Latitude :	35.0521915
Longitude :	-118.3350806
Last Date in Agency List :	2022-05-12

GM Chemicals

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Samp Collection Date :	1987-08-20
Chemical :	CA (Calcium) 86 MG/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	1987-08-20
Chemical :	TDS (Total Dissolved Solids) 645 MG/L
CAS Number :	N/R
Reporting Limit :	N/R

Samp Collection Date :	1987-08-20
Chemical :	TDS (Total Dissolved Solids) 610 MG/L
CAS Number :	N/R
Reporting Limit :	N/R

Map Id: N63
Direction: N
Distance: 0.041 mi., 218 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : USGS-350308118200301 | 350308118200301
35.052191, -118.335081
CA

Database(s) : [NWIS, WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 31271612
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Samp Collection Date :	1987-08-20
Chemical :	SO4 (Sulfate) 94 MG/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	1987-08-20
Chemical :	TEMP (Temperature) 15 CELSIUS
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	1987-08-20
Chemical :	MG (Magnesium) 53 MG/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	1987-08-20
Chemical :	NA (Sodium) 78 MG/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	1987-08-20
Chemical :	B (Boron) .56 MG/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	1987-08-20
Chemical :	K (Potassium) 2.5 MG/L
CAS Number :	N/R
Reporting Limit :	N/R
Samp Collection Date :	1987-08-20
Chemical :	F (Fluoride) 1.1 MG/L
CAS Number :	N/R
Reporting Limit :	N/R

Source Details

Datum :	NAD83
Well Depth (Ft.) :	60
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Latitude :	35.0521915
Longitude :	-118.3350806

Source Chemicals

Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Calcium 86.0 MG/L

Map Id: N63
Direction: N
Distance: 0.041 mi., 218 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : USGS-350308118200301 | 350308118200301
35.052191, -118.335081
CA

Database(s) : [NWIS, WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 31271612
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Analytical Method :	USGS OF 93-125, p 101
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Total dissolved solids 645 MG/L
Analytical Method :	NWIS User's Manual, QW System, Section 3.6.7
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Total dissolved solids 0.83 TONS/AC FT
Analytical Method :	NWIS User's Manual, QW System, Section 3.6.7
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Sulfate 94.0 MG/L
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Temperature, water 15.0 DEG C
Analytical Method :	N/R
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Magnesium 53.0 MG/L
Analytical Method :	USGS OF 93-125, p 101
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Sodium 78.0 MG/L
Analytical Method :	USGS OF 93-125, p 101
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Boron 560 UG/L
Analytical Method :	USGS OF 93-125, p 47
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Potassium 2.50 MG/L

Map Id: N63
Direction: N
Distance: 0.041 mi., 218 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : USGS-350308118200301 | 350308118200301
35.052191, -118.335081
CA

Database(s) : [NWIS, WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 31271612
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Analytical Method :	USGS TWRI 5-A1/1989, p 393
Reporting Limit :	N/R
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20 13:30:00
Chemical :	Fluoride 1.10 MG/L
Analytical Method :	USGS TWRI 5-A1/1989, p 221
Reporting Limit :	N/R
Lab Note :	N/R

Map Id: H64
Direction: NNE
Distance: 0.045 mi., 236 ft.
Elevation: 3776 ft.
Relative: Lower

Site Name : N/R
35.0481667, -118.3235
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36777922
EPA ID: N/R

EPICENTERS

Updated Date :	2014-05-02
Time :	17:30:33
ID Number :	ci37219296
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.28
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	88
DMIN :	0.05932
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0481667
Longitude :	-118.3235
Last Date in Agency List :	2014-07-15

Map Id: N65
Direction: N
Distance: 0.045 mi., 240 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : 11N14W14B001S
35.0522, -118.335
CA

Database(s) : [WELLS - GAMA - CA]

Envirosite ID: 36450611
EPA ID: N/R

WELLS - GAMA - CA

Well Details

Well ID :	11N14W14B001S
Well Type :	WATER SUPPLY, OTHER
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Source :	Department of Water Resources
Data Source :	WDL
Source Name :	11N14W14B001S
Other Names :	N/R
Latitude :	35.0522
Longitude :	-118.335
Last Date in Agency List :	2022-05-12

GM Chemicals

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

Samp Collection Date :	1987-08-20
Chemical :	MG (Magnesium) 53 MG/L
CAS Number :	N/R
Reporting Limit :	.1

Samp Collection Date :	1987-08-20
Chemical :	B (Boron) .56 MG/L
CAS Number :	N/R
Reporting Limit :	.1

Samp Collection Date :	1987-08-20
Chemical :	ALKCACO3 (Alkalinity as CaCO3) 297 MG/L
CAS Number :	N/R
Reporting Limit :	1

Samp Collection Date :	1987-08-20
Chemical :	SO4 (Sulfate) 94 MG/L
CAS Number :	N/R
Reporting Limit :	1

Samp Collection Date :	1987-08-20
Chemical :	TDS (Total Dissolved Solids) 607 MG/L
CAS Number :	N/R
Reporting Limit :	1

Samp Collection Date :	1987-08-20
Chemical :	K (Potassium) 2.5 MG/L
CAS Number :	N/R
Reporting Limit :	.1

Map Id: N65
Direction: N
Distance: 0.045 mi., 240 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : 11N14W14B001S
35.0522, -118.335
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 36450611
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Samp Collection Date :	1987-08-20
Chemical :	PH (pH) 6.3 PH UNITS
CAS Number :	N/R
Reporting Limit :	.1
Samp Collection Date :	1987-08-20
Chemical :	F (Fluoride) 1.1 MG/L
CAS Number :	N/R
Reporting Limit :	.1
Samp Collection Date :	1985-08-21
Chemical :	SO4 (Sulfate) 68 MG/L
CAS Number :	N/R
Reporting Limit :	1
Samp Collection Date :	1985-08-21
Chemical :	F (Fluoride) 1.1 MG/L
CAS Number :	N/R
Reporting Limit :	.1

Source Details

Datum :	N/R
Well Depth (Ft.) :	N/R
Top of Screen (Ft.) :	N/R
Screen Length (Ft.) :	N/R
Latitude :	35.0522
Longitude :	-118.335

Source Chemicals

Samp Collection Date-Time :	1987-08-20
Chemical :	Dissolved Magnesium 53 mg/L
Analytical Method :	UnkMod Magnesium
Reporting Limit :	.1
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20
Chemical :	Dissolved Boron .56 mg/L
Analytical Method :	UnkMod Boron
Reporting Limit :	.1
Lab Note :	N/R
Samp Collection Date-Time :	1987-08-20
Chemical :	Total Alkalinity 297 mg/L as CaCO3
Analytical Method :	UnkMod Alkalinity
Reporting Limit :	1
Lab Note :	N/R

Map Id: N65
Direction: N
Distance: 0.045 mi., 240 ft.
Elevation: 3878 ft.
Relative: Lower

Site Name : 11N14W14B001S
35.0522, -118.335
CA

Database(s) : [WELLS - GAMA - CA] ***(cont.)***

Envirosite ID: 36450611
EPA ID: N/R

WELLS - GAMA - CA ***(cont.)***

Samp Collection Date-Time :	1987-08-20
Chemical :	Dissolved Sulfate 94 mg/L
Analytical Method :	UnkMod Sulfate
Reporting Limit :	1
Lab Note :	N/R

Samp Collection Date-Time :	1987-08-20
Chemical :	Total Dissolved Solids 607 mg/L at 180 deg C
Analytical Method :	UnkMod TDS
Reporting Limit :	1
Lab Note :	N/R

Samp Collection Date-Time :	1987-08-20
Chemical :	Dissolved Potassium 2.5 mg/L
Analytical Method :	UnkMod Potassium
Reporting Limit :	.1
Lab Note :	N/R

Samp Collection Date-Time :	1987-08-20
Chemical :	pH 6.3 pH Units
Analytical Method :	EPA 150.1
Reporting Limit :	.1
Lab Note :	N/R

Samp Collection Date-Time :	1987-08-20
Chemical :	Dissolved Fluoride 1.1 mg/L
Analytical Method :	UnkMod Fluoride
Reporting Limit :	.1
Lab Note :	N/R

Samp Collection Date-Time :	1985-08-21
Chemical :	Dissolved Sulfate 68 mg/L
Analytical Method :	UnkMod Sulfate
Reporting Limit :	1
Lab Note :	N/R

Samp Collection Date-Time :	1985-08-21
Chemical :	Dissolved Fluoride 1.1 mg/L
Analytical Method :	UnkMod Fluoride
Reporting Limit :	.1
Lab Note :	N/R

Map Id: G66
Direction: NE
Distance: 0.054 mi., 287 ft.
Elevation: 3747 ft.
Relative: Lower

Site Name : N/R
35.0466667, -118.3206667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36713633
EPA ID: N/R

EPICENTERS

Updated Date :	2015-02-05
Time :	19:06:13
ID Number :	ci37313224
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.2
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	13
Gap :	61
DMIN :	0.05851
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0466667
Longitude :	-118.3206667
Last Date in Agency List :	2015-04-14

Map Id: G67
Direction: NE
Distance: 0.055 mi., 288 ft.
Elevation: 3768 ft.
Relative: Lower

Site Name : N/R
35.047, -118.3216667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36729453
EPA ID: N/R

EPICENTERS

Updated Date :	2015-01-29
Time :	19:11:28
ID Number :	ci37310352
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.29
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	44
DMIN :	0.05859
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.047

Map Id: G67
Direction: NE
Distance: 0.055 mi., 288 ft.
Elevation: 3768 ft.
Relative: Lower

Site Name : N/R
35.047, -118.3216667
CA
Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36729453
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3216667
Last Date in Agency List :	2015-04-14

Map Id: 68
Direction: NNW
Distance: 0.058 mi., 305 ft.
Elevation: 4018 ft.
Relative: Higher

Site Name : N/R
35.0508333, -118.35
CA
Database(s) : [EPICENTERS]

Envirosite ID: 36752167
EPA ID: N/R

EPICENTERS

Updated Date :	2014-08-13
Time :	19:04:13
ID Number :	ci15537233
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.47
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	8
Gap :	125
DMIN :	0.06049
RMS :	0.08
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0508333
Longitude :	-118.35
Last Date in Agency List :	2014-10-14

Map Id: Q69
Direction: ESE
Distance: 0.061 mi., 323 ft.
Elevation: 3522 ft.
Relative: Lower

Site Name : WINDMILL
35.016053, -118.322475
MOJAVE, CA
Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816952
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01302OE

Map Id: Q69
Direction: ESE
Distance: 0.061 mi., 323 ft.
Elevation: 3522 ft.
Relative: Lower

Site Name : WINDMILL
35.016053, -118.322475
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 816952
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

OBS Number :	06-021330
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03928
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 57.79N
Longitude :	118 19 20.91W

Map Id: R70
Direction: E
Distance: 0.065 mi., 343 ft.
Elevation: 3528 ft.
Relative: Lower

Site Name : WINDMILL
35.029394, -118.303231
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816438
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01291OE
OBS Number :	06-021328
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03930
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 45.82N
Longitude :	118 18 11.63W

Map Id: 71
Direction: ESE
Distance: 0.071 mi., 376 ft.
Elevation: 3538 ft.
Relative: Lower

Site Name : WINDMILL
35.017236, -118.322208
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821259
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-13
Action :	Change
FAA Study Number :	2013WTW08489OE
OBS Number :	06-021318
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03942
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 02.05N
Longitude :	118 19 19.95W

Map Id: 72
Direction: W
Distance: 0.073 mi., 385 ft.
Elevation: 4090 ft.
Relative: Higher

Site Name : WINDMILL
35.024856, -118.353489
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820708
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-27
Action :	Change
FAA Study Number :	2010WTW16757OE
OBS Number :	06-020909
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04482
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 29.48N
Longitude :	118 21 12.56W

Map Id: M73
Direction: ENE
Distance: 0.075 mi., 396 ft.
Elevation: 3631 ft.
Relative: Lower

Site Name : WINDMILL
35.036417, -118.307772
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820573
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-15
Action :	Add
FAA Study Number :	2011WTW00209OE
OBS Number :	06-021442
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04054
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 11.10N
Longitude :	118 18 27.98W

Map Id: 74
Direction: E
Distance: 0.078 mi., 410 ft.
Elevation: 3509 ft.
Relative: Lower

Site Name : TOWER
35.022322, -118.316897
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 811860
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-06
Action :	Add
FAA Study Number :	2010WTW15269OE
OBS Number :	06-021374
Obstacle Type :	TOWER
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00267
Above Mean Sea Level Height (Feet) :	03781
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 20.36N
Longitude :	118 19 00.83W

Map Id: 75
Direction: ENE
Distance: 0.079 mi., 418 ft.
Elevation: 3670 ft.
Relative: Lower

Site Name : TOWER
35.038722, -118.309181
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 811883
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-04
Action :	Add
FAA Study Number :	2010WTW15268OE
OBS Number :	06-021373
Obstacle Type :	TOWER
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00267
Above Mean Sea Level Height (Feet) :	03935
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 19.40N
Longitude :	118 18 33.05W

Map Id: 76
Direction: WNW
Distance: 0.091 mi., 479 ft.
Elevation: 4174 ft.
Relative: Higher

Site Name : WINDMILL
35.027417, -118.347217
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816268
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-06
Action :	Change
FAA Study Number :	2010WTW16760OE
OBS Number :	06-021179
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04562
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 38.70N
Longitude :	118 20 49.98W

Map Id: Q77
Direction: ESE
Distance: 0.091 mi., 483 ft.
Elevation: 3535 ft.
Relative: Lower

Site Name : WINDMILL
35.015119, -118.323403
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815839
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01303OE
OBS Number :	06-021331
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03946
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 54.43N
Longitude :	118 19 24.25W

Map Id: 78
Direction: NNW
Distance: 0.094 mi., 495 ft.
Elevation: 4084 ft.
Relative: Higher

Site Name : N/R
35.0513333, -118.3541667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36790371
EPA ID: N/R

EPICENTERS

Updated Date :	2015-06-19
Time :	16:21:39
ID Number :	ci37403976
Status :	N/R
Type :	quarry blast
Depth :	0.017
Magnitude :	1.29
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	13
Gap :	80
DMIN :	0.06147
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0513333
Longitude :	-118.3541667
Last Date in Agency List :	2015-07-13

Map Id: S79
Direction: NNW
Distance: 0.095 mi., 501 ft.
Elevation: 4009 ft.
Relative: Higher

Site Name : N/R
35.053, -118.3451667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36719451
EPA ID: N/R

EPICENTERS

Updated Date :	2015-06-05
Time :	17:42:24
ID Number :	ci37394136
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	62
DMIN :	0.06233
RMS :	0.13
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.053
Longitude :	-118.3451667
Last Date in Agency List :	2015-07-13

Map Id: 80
Direction: WNW
Distance: 0.100 mi., 530 ft.
Elevation: 4146 ft.
Relative: Higher

Site Name : WINDMILL
35.0261, -118.347378
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817379
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-27
Action :	Change
FAA Study Number :	2010WTW16759OE
OBS Number :	06-021184
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04531
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 33.96N
Longitude :	118 20 50.56W

Map Id: 81
Direction: W
Distance: 0.103 mi., 544 ft.
Elevation: 4073 ft.
Relative: Higher

Site Name : WINDMILL
35.025292, -118.348722
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820238
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-28
Action :	Change
FAA Study Number :	2010WTW16758OE
OBS Number :	06-021173
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04469
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 31.05N
Longitude :	118 20 55.40W

Map Id: 82
Direction: NNE
Distance: 0.111 mi., 586 ft.
Elevation: 3845 ft.
Relative: Lower

Site Name : N/R
35.0495, -118.3235
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36727512
EPA ID: N/R

EPICENTERS

Updated Date :	2015-04-28
Time :	17:16:16
ID Number :	ci37153095
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.45
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	19
Gap :	47
DMIN :	0.0606
RMS :	0.18
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0495
Longitude :	-118.3235
Last Date in Agency List :	2015-07-13

Map Id: R83
Direction: E
Distance: 0.111 mi., 588 ft.
Elevation: 3535 ft.
Relative: Lower

Site Name : WINDMILL
35.030386, -118.302422
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820242
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-02-03
Action :	Change
FAA Study Number :	2013WTW08521OE
OBS Number :	06-023063
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03942
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 49.39N
Longitude :	118 18 08.72W

Map Id: T84
Direction: NNW
Distance: 0.117 mi., 618 ft.
Elevation: 4081 ft.
Relative: Higher

Site Name : N/R
35.0516667, -118.352
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36742850
EPA ID: N/R

EPICENTERS

Updated Date :	2015-07-02
Time :	17:10:06
ID Number :	ci37196527
Status :	N/R
Type :	quarry blast
Depth :	0.007
Magnitude :	1.33
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	16
Gap :	67
DMIN :	0.06153
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0516667
Longitude :	-118.352
Last Date in Agency List :	2015-07-13

Map Id: U85
Direction: ESE
Distance: 0.128 mi., 676 ft.
Elevation: 3534 ft.
Relative: Lower

Site Name : WINDMILL
35.018097, -118.321225
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817374
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-21
Action :	Add
FAA Study Number :	2010WTW16313OE
OBS Number :	06-021281
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03947
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 05.15N
Longitude :	118 19 16.41W

Map Id: V86
Direction: WNW
Distance: 0.133 mi., 703 ft.
Elevation: 4183 ft.
Relative: Higher

Site Name : WINDMILL
35.034172, -118.354161
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821343
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08514OE
OBS Number :	06-020945
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04578
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 03.02N
Longitude :	118 21 14.98W

Map Id: T87
Direction: NNW
Distance: 0.141 mi., 744 ft.
Elevation: 4078 ft.
Relative: Higher

Site Name : N/R
35.052, -118.3515
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36776648
EPA ID: N/R

EPICENTERS

Updated Date :	2015-04-21
Time :	18:32:30
ID Number :	ci37149519
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.43
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	12
Gap :	80
DMIN :	0.0618
RMS :	0.13
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.052
Longitude :	-118.3515
Last Date in Agency List :	2015-07-13

Map Id: 88
Direction: ENE
Distance: 0.141 mi., 745 ft.
Elevation: 3542 ft.
Relative: Lower

Site Name : WINDMILL
35.031714, -118.301908
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822769
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-29
Action :	Add
FAA Study Number :	2010WTW01290OE
OBS Number :	06-021311
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03954
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 54.17N
Longitude :	118 18 06.87W

Map Id: S89
Direction: NNW
Distance: 0.142 mi., 749 ft.
Elevation: 4063 ft.
Relative: Higher

Site Name : N/R
35.0536667, -118.3441667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36716784
EPA ID: N/R

EPICENTERS

Updated Date :	2014-08-15
Time :	17:54:00
ID Number :	ci37258424
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.31
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	11
Gap :	165
DMIN :	0.06296
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0536667
Longitude :	-118.3441667
Last Date in Agency List :	2014-10-14

Map Id: 90
Direction: NW
Distance: 0.143 mi., 758 ft.
Elevation: 4226 ft.
Relative: Higher

Site Name : WINDMILL
35.044211, -118.355758
ROSAMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816294
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-28
Action :	Change
FAA Study Number :	2013WTW08595OE
OBS Number :	06-022609
Obstacle Type :	WINDMILL
City Name :	ROSAMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04641
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 39.16N
Longitude :	118 21 20.73W

Map Id: W91
Direction: NW
Distance: 0.146 mi., 774 ft.
Elevation: 4217 ft.
Relative: Higher

Site Name : WINDMILL
35.047917, -118.356506
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816115
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08508OE
OBS Number :	06-021016
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04609
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 52.50N
Longitude :	118 21 23.42W

Map Id: X92
Direction: SE
Distance: 0.155 mi., 821 ft.
Elevation: 3525 ft.
Relative: Lower

Site Name : WINDMILL
35.014192, -118.324325
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816991
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01304OE
OBS Number :	06-021332
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03940
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 51.09N
Longitude :	118 19 27.57W

Map Id: 93
Direction: ENE
Distance: 0.160 mi., 847 ft.
Elevation: 3626 ft.
Relative: Lower

Site Name : WINDMILL
35.037778, -118.307275
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 818586
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-15
Action :	Add
FAA Study Number :	2011WTW00210OE
OBS Number :	06-021479
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04054
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 16.00N
Longitude :	118 18 26.19W

Map Id: U94
Direction: ESE
Distance: 0.187 mi., 986 ft.
Elevation: 3532 ft.
Relative: Lower

Site Name : WINDMILL
35.018919, -118.320206
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 818576
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16314OE
OBS Number :	06-021291
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03940
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 08.11N
Longitude :	118 19 12.74W

Map Id: 95
Direction: E
Distance: 0.189 mi., 1001 ft.
Elevation: 3516 ft.
Relative: Lower

Site Name : WINDMILL
35.020714, -118.318406
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817009
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08492OE
OBS Number :	06-021298
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03926
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 14.57N
Longitude :	118 19 06.26W

Map Id: Y96
Direction: ESE
Distance: 0.190 mi., 1003 ft.
Elevation: 3431 ft.
Relative: Lower

Site Name : WINDMILL
35.018608, -118.312536
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816265
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-13
Action :	Change
FAA Study Number :	2013WTW08488OE
OBS Number :	06-021317
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03848
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 06.99N
Longitude :	118 18 45.13W

Map Id: Z97
Direction: NNW
Distance: 0.195 mi., 1029 ft.
Elevation: 4128 ft.
Relative: Higher

Site Name : N/R
35.0521667, -118.356
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36805125
EPA ID: N/R

EPICENTERS

Updated Date :	2015-05-27
Time :	18:09:32
ID Number :	ci37388360
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.46
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	13
Gap :	78
DMIN :	0.06256
RMS :	0.09
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0521667
Longitude :	-118.356
Last Date in Agency List :	2015-07-13

Map Id: 98
Direction: NW
Distance: 0.198 mi., 1045 ft.
Elevation: 4084 ft.
Relative: Higher

Site Name : 10264600
35.049969, -118.357859
CA

Database(s) : [NWIS]

Envirosite ID: 9129941
EPA ID: N/R

NWIS

Site Identification Number :	10264600
Site Type :	Stream
Station Name :	OAK C NR MOJAVE CA
Agency :	U.S. Geological Survey
District :	N/R
State :	CA
County :	Kern County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	MONOLITH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	4080
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	20
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Antelope-Fremont Valleys
Drainage Basin :	N/R
Topographic Setting :	N/R
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNI
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Map Id: 98
Direction: NW
Distance: 0.198 mi., 1045 ft.
Elevation: 4084 ft.
Relative: Higher

Site Name : 10264600
35.049969, -118.357859
CA

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 9129941
EPA ID: N/R

NWIS ***(cont.)***

Date of First Construction :	N/R
Date Site Established or Inventoried:	N/R
Drainage Area :	15.8
Contributing Drainage Area :	N/R
Data Reliability :	N/R
Data-Other GW Files :	NNNNNNNN
National Aquifer :	N/R
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	N/R
Hole Depth :	N/R
Source of Depth Data :	N/R
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	1958-04-18
Peak-Streamflow Data End Date :	1989-03-25
Peak-Streamflow Data Count :	30
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	N/R
Field Water-level Measurements End Date:	N/R
Field Water-Level Measurements Count:	0
Site-Visit Data Begin Date :	1988-12-21
Site-Visit Data End Date :	1993-03-16
Site-Visit Data Count :	20
Latitude :	35.049969
Longitude :	-118.357859
Last Date in Agency List :	2022-05-19

Map Id: Z99
Direction: NW
Distance: 0.198 mi., 1047 ft.
Elevation: 4124 ft.
Relative: Higher

Site Name : N/R
35.0518333, -118.3565
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36744566
EPA ID: N/R

EPICENTERS

Updated Date :	2015-04-27
Time :	17:06:13
ID Number :	ci37152343
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.76
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R

Map Id: Z99
Direction: NW
Distance: 0.198 mi., 1047 ft.
Elevation: 4124 ft.
Relative: Higher

Site Name : N/R
35.0518333, -118.3565
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36744566
EPA ID: N/R

EPICENTERS ***(cont.)***

NST :	9
Gap :	101
DMIN :	0.06231
RMS :	0.17
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0518333
Longitude :	-118.3565
Last Date in Agency List :	2015-07-13

Map Id: 100
Direction: W
Distance: 0.201 mi., 1064 ft.
Elevation: 4132 ft.
Relative: Higher

Site Name : TOWER
35.026717, -118.354406
CAMERON, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815657
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-12-09
Action :	Change
FAA Study Number :	2007AWP02911OE
OBS Number :	06-020471
Obstacle Type :	TOWER
City Name :	CAMERON
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00240
Above Mean Sea Level Height (Feet) :	04377
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 36.18N
Longitude :	118 21 15.86W

Map Id: V101
Direction: WNW
Distance: 0.203 mi., 1070 ft.
Elevation: 4205 ft.
Relative: Higher

Site Name : WINDMILL
35.033533, -118.355342
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820243
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08513OE
OBS Number :	06-020946
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04598
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 00.72N
Longitude :	118 21 19.23W

Map Id: 102
Direction: N
Distance: 0.204 mi., 1078 ft.
Elevation: 4047 ft.
Relative: Higher

Site Name : N/R
35.055, -118.3385
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36717580
EPA ID: N/R

EPICENTERS

Updated Date :	2015-02-25
Time :	18:57:39
ID Number :	ci37102839
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.35
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	6
Gap :	210
DMIN :	0.0643
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.055
Longitude :	-118.3385
Last Date in Agency List :	2015-04-14

Map Id: W103
Direction: NW
Distance: 0.204 mi., 1079 ft.
Elevation: 4241 ft.
Relative: Higher

Site Name : WINDMILL
35.047225, -118.357392
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817038
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-27
Action :	Change
FAA Study Number :	2010WTW16702OE
OBS Number :	06-021021
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04643
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 50.01N
Longitude :	118 21 26.61W

Map Id: BA104
Direction: N
Distance: 0.204 mi., 1080 ft.
Elevation: 4012 ft.
Relative: Higher

Site Name : N/R
35.0546667, -118.3421667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36790989
EPA ID: N/R

EPICENTERS

Updated Date :	2015-01-30
Time :	19:38:39
ID Number :	ci37310800
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.05
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	14
Gap :	83
DMIN :	0.06392
RMS :	0.12
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0546667
Longitude :	-118.3421667
Last Date in Agency List :	2015-04-14

Map Id: BB105
Direction: E
Distance: 0.217 mi., 1145 ft.
Elevation: 3412 ft.
Relative: Lower

Site Name : WINDMILL
35.020606, -118.301617
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820543
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16365OE
OBS Number :	06-021275
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03828
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 14.18N
Longitude :	118 18 05.82W

Map Id: 106
Direction: E
Distance: 0.218 mi., 1150 ft.
Elevation: 3398 ft.
Relative: Lower

Site Name : WINDMILL
35.018475, -118.304078
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820773
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01284OE
OBS Number :	06-021326
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03802
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 06.51N
Longitude :	118 18 14.68W

Map Id: BC107
Direction: E
Distance: 0.218 mi., 1150 ft.
Elevation: 3395 ft.
Relative: Lower

Site Name : WINDMILL
35.017839, -118.305461
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822120
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16329OE
OBS Number :	06-021284
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03802
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 04.22N
Longitude :	118 18 19.66W

Map Id: BD108
Direction: NNW
Distance: 0.221 mi., 1168 ft.
Elevation: 4075 ft.
Relative: Higher

Site Name : N/R
35.0548333, -118.3478333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 7275484
EPA ID: N/R

EPICENTERS

Updated Date :	2015-06-18
Time :	17:08:14
ID Number :	ci37403136
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.88
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	8
Gap :	80
DMIN :	0.06429
RMS :	0.1
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0548333
Longitude :	-118.3478333
Last Date in Agency List :	2015-07-13

Map Id: BA109
Direction: N
Distance: 0.223 mi., 1178 ft.
Elevation: 4045 ft.
Relative: Higher

Site Name : N/R
35.0548333, -118.3433333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36771930
EPA ID: N/R

EPICENTERS

Updated Date :	2015-07-01
Time :	17:10:42
ID Number :	ci37195583
Status :	N/R
Type :	quarry blast
Depth :	0.017
Magnitude :	1.19
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	12
Gap :	82
DMIN :	0.0641
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0548333
Longitude :	-118.3433333
Last Date in Agency List :	2015-07-13

Map Id: X110
Direction: SE
Distance: 0.224 mi., 1181 ft.
Elevation: 3533 ft.
Relative: Lower

Site Name : WINDMILL
35.013206, -118.325183
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820538
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16306OE
OBS Number :	06-021289
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03944
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 47.54N
Longitude :	118 19 30.66W

Map Id: 111
Direction: E
Distance: 0.227 mi., 1199 ft.
Elevation: 3403 ft.
Relative: Lower

Site Name : WINDMILL
35.019369, -118.303025
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816955
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08495OE
OBS Number :	06-021299
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03814
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 09.73N
Longitude :	118 18 10.89W

Map Id: BE112
Direction: NW
Distance: 0.229 mi., 1211 ft.
Elevation: 4251 ft.
Relative: Higher

Site Name : WINDMILL
35.043031, -118.357247
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897769
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-16
Action :	Add
FAA Study Number :	2011WTW13031OE
OBS Number :	06-022608
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04657
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 34.91N
Longitude :	118 21 26.09W

Map Id: BB113
Direction: E
Distance: 0.235 mi., 1242 ft.
Elevation: 3421 ft.
Relative: Lower

Site Name : WINDMILL
35.021403, -118.300544
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821262
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-15
Action :	Add
FAA Study Number :	2010WTW16366OE
OBS Number :	06-021276
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03831
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 17.05N
Longitude :	118 18 01.96W

Map Id: BD114
Direction: NNW
Distance: 0.235 mi., 1243 ft.
Elevation: 4069 ft.
Relative: Higher

Site Name : N/R
35.055, -118.3481667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36798783
EPA ID: N/R

EPICENTERS

Updated Date :	2015-05-20
Time :	19:52:36
ID Number :	ci37165871
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.44
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	23
Gap :	43
DMIN :	0.06448
RMS :	0.18
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.055
Longitude :	-118.3481667
Last Date in Agency List :	2015-07-13

Map Id: BF115
Direction: NNW
Distance: 0.236 mi., 1248 ft.
Elevation: 4132 ft.
Relative: Higher

Site Name : N/R
35.0535, -118.351
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36773746
EPA ID: N/R

EPICENTERS

Updated Date :	2015-07-08
Time :	18:22:11
ID Number :	ci37201351
Status :	N/R
Type :	quarry blast
Depth :	0.018
Magnitude :	1.12
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	7
Gap :	101
DMIN :	0.06323
RMS :	0.07
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0535
Longitude :	-118.351
Last Date in Agency List :	2015-07-13

Map Id: BF116
Direction: NNW
Distance: 0.239 mi., 1260 ft.
Elevation: 4129 ft.
Relative: Higher

Site Name : N/R
35.054, -118.3505
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36734449
EPA ID: N/R

EPICENTERS

Updated Date :	2015-05-27
Time :	19:48:43
ID Number :	ci37387680
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.47
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	23
Gap :	43
DMIN :	0.06368
RMS :	0.19
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.054

Map Id: BF116
Direction: NNW
Distance: 0.239 mi., 1260 ft.
Elevation: 4129 ft.
Relative: Higher

Site Name : N/R
35.054, -118.3505
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36734449
EPA ID: N/R

EPICENTERS ***(cont.)***

Longitude :	-118.3505
Last Date in Agency List :	2015-07-13

Map Id: 117
Direction: N
Distance: 0.249 mi., 1317 ft.
Elevation: 4070 ft.
Relative: Higher

Site Name : WINDMILL
35.055347, -118.33315
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822785
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2013-11-05
Action :	Change
FAA Study Number :	2013WTW08459OE
OBS Number :	06-023061
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04484
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 19.25N
Longitude :	118 19 59.34W

Map Id: U118
Direction: ESE
Distance: 0.260 mi., 1375 ft.
Elevation: 3518 ft.
Relative: Lower

Site Name : WINDMILL
35.0193, -118.318914
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817002
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-21
Action :	Add
FAA Study Number :	2010WTW16315OE
OBS Number :	06-021280
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA

Map Id: U118
Direction: ESE
Distance: 0.260 mi., 1375 ft.
Elevation: 3518 ft.
Relative: Lower

Site Name : WINDMILL
35.0193, -118.318914
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 817002
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03926
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 09.48N
Longitude :	118 19 08.09W

Map Id: BG119
Direction: NW
Distance: 0.262 mi., 1383 ft.
Elevation: 4295 ft.
Relative: Higher

Site Name : WINDMILL
35.038072, -118.357144
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821345
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08512OE
OBS Number :	06-020955
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04676
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 17.06N
Longitude :	118 21 25.72W

Map Id: 120
Direction: NNE
Distance: 0.267 mi., 1412 ft.
Elevation: 4028 ft.
Relative: Higher

Site Name : WINDMILL
35.054508, -118.328039
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820253
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05316OE
OBS Number :	06-023098
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04450
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 16.23N
Longitude :	118 19 40.94W

Map Id: Y121
Direction: ESE
Distance: 0.270 mi., 1426 ft.
Elevation: 3436 ft.
Relative: Lower

Site Name : WINDMILL
35.017942, -118.313753
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820702
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16322OE
OBS Number :	06-021283
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03850
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 04.59N
Longitude :	118 18 49.51W

Map Id: BH122
Direction: NW
Distance: 0.272 mi., 1438 ft.
Elevation: 4280 ft.
Relative: Higher

Site Name : WINDMILL
35.046664, -118.3585
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820717
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-27
Action :	Change
FAA Study Number :	2010WTW16701OE
OBS Number :	06-021088
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04669
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 47.99N
Longitude :	118 21 30.60W

Map Id: BF123
Direction: NNW
Distance: 0.273 mi., 1444 ft.
Elevation: 4129 ft.
Relative: Higher

Site Name : N/R
35.054, -118.3513333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36821934
EPA ID: N/R

EPICENTERS

Updated Date :	2015-06-16
Time :	18:35:02
ID Number :	ci37401432
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.45
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	11
Gap :	83
DMIN :	0.06376
RMS :	0.08
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.054
Longitude :	-118.3513333
Last Date in Agency List :	2015-07-13

Map Id: BB124
Direction: E
Distance: 0.277 mi., 1460 ft.
Elevation: 3433 ft.
Relative: Lower

Site Name : WINDMILL
35.022206, -118.299489
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820546
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-15
Action :	Add
FAA Study Number :	2010WTW16367OE
OBS Number :	06-021274
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03840
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 19.94N
Longitude :	118 17 58.16W

Map Id: 125
Direction: NW
Distance: 0.278 mi., 1471 ft.
Elevation: 4131 ft.
Relative: Higher

Site Name : N/R
35.0515, -118.3586667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 8532091
EPA ID: N/R

EPICENTERS

Updated Date :	2015-05-13
Time :	18:17:06
ID Number :	ci37379744
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.5
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	13
Gap :	79
DMIN :	0.06236
RMS :	0.14
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0515
Longitude :	-118.3586667
Last Date in Agency List :	2015-07-13

Map Id: BC126
Direction: ESE
Distance: 0.279 mi., 1473 ft.
Elevation: 3391 ft.
Relative: Lower

Site Name : WINDMILL
35.016819, -118.306289
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817367
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-18
Action :	Add
FAA Study Number :	2010WTW16364OE
OBS Number :	06-021273
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03803
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 00.55N
Longitude :	118 18 22.64W

Map Id: 127
Direction: NNE
Distance: 0.282 mi., 1487 ft.
Elevation: 3889 ft.
Relative: Lower

Site Name : WINDMILL
35.051394, -118.321553
ROSAMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822270
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-24
Action :	Change
FAA Study Number :	2013WTW08597OE
OBS Number :	06-022636
Obstacle Type :	WINDMILL
City Name :	ROSAMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04310
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 05.02N
Longitude :	118 19 17.59W

Map Id: 128
Direction: NE
Distance: 0.282 mi., 1488 ft.
Elevation: 3802 ft.
Relative: Lower

Site Name : N/R
35.0498333, -118.3185
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36778210
EPA ID: N/R

EPICENTERS

Updated Date :	2014-12-12
Time :	16:43:01
ID Number :	ci37067543
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.24
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	13
Gap :	69
DMIN :	0.06205
RMS :	0.14
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0498333
Longitude :	-118.3185
Last Date in Agency List :	2015-01-14

Map Id: BE129
Direction: NW
Distance: 0.284 mi., 1499 ft.
Elevation: 4276 ft.
Relative: Higher

Site Name : WINDMILL
35.0423, -118.358192
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820716
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-15
Action :	Add
FAA Study Number :	2011WTW13030OE
OBS Number :	06-022602
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04683
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 32.28N
Longitude :	118 21 29.49W

Map Id: X130
Direction: SE
Distance: 0.289 mi., 1527 ft.
Elevation: 3544 ft.
Relative: Lower

Site Name : WINDMILL
35.012258, -118.326092
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821842
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-15
Action :	Add
FAA Study Number :	2010WTW01114OE
OBS Number :	06-021264
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03950
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 44.13N
Longitude :	118 19 33.93W

Map Id: BI131
Direction: WNW
Distance: 0.294 mi., 1551 ft.
Elevation: 4296 ft.
Relative: Higher

Site Name : WINDMILL
35.033042, -118.356881
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820713
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-24
Action :	Change
FAA Study Number :	2010WTW16747OE
OBS Number :	06-020954
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04657
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 58.95N
Longitude :	118 21 24.77W

Map Id: BJ132
Direction: ENE
Distance: 0.294 mi., 1555 ft.
Elevation: 3575 ft.
Relative: Lower

Site Name : WINDMILL
35.034278, -118.300039
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817030
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-04
Action :	Add
FAA Study Number :	2010WTW01288OE
OBS Number :	06-021327
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03972
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 03.40N
Longitude :	118 18 00.14W

Map Id: 133
Direction: N
Distance: 0.295 mi., 1559 ft.
Elevation: 4124 ft.
Relative: Higher

Site Name : N/R
35.0563333, -118.3415
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36724127
EPA ID: N/R

EPICENTERS

Updated Date :	2014-09-16
Time :	18:53:08
ID Number :	ci37268400
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.53
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	9
Gap :	210
DMIN :	0.06558
RMS :	0.06
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0563333
Longitude :	-118.3415
Last Date in Agency List :	2014-10-14

Map Id: 134
Direction: NE
Distance: 0.298 mi., 1574 ft.
Elevation: 3812 ft.
Relative: Lower

Site Name : WINDMILL
35.047025, -118.312222
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897774
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-21
Action :	Add
FAA Study Number :	2011WTW13043OE
OBS Number :	06-022652
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04240
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 49.29N
Longitude :	118 18 44.00W

Map Id: 135
Direction: W
Distance: 0.300 mi., 1587 ft.
Elevation: 4412 ft.
Relative: Higher

Site Name : WINDMILL
35.028072, -118.364153
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815852
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-22
Action :	Change
FAA Study Number :	2010WTW16742OE
OBS Number :	06-021102
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04821
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 41.06N
Longitude :	118 21 50.95W

Map Id: BE136
Direction: NW
Distance: 0.310 mi., 1636 ft.
Elevation: 4286 ft.
Relative: Higher

Site Name : N/R
35.043, -118.3586667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36747986
EPA ID: N/R

EPICENTERS

Updated Date :	2015-02-21
Time :	17:47:01
ID Number :	ci37098087
Status :	N/R
Type :	earthquake
Depth :	6
Magnitude :	1.29
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	6
Gap :	104
DMIN :	0.05413
RMS :	0.28
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.043
Longitude :	-118.3586667
Last Date in Agency List :	2015-04-14

Map Id: 137
Direction: ENE
Distance: 0.313 mi., 1653 ft.
Elevation: 3607 ft.
Relative: Lower

Site Name : 350214118180701
35.037192, -118.302857
CA

Database(s) : [NWIS]

Envirosite ID: 9171862
EPA ID: N/R

NWIS

Site Identification Number :	350214118180701
Site Type :	Well
Station Name :	011N013W19C001S
Agency :	U.S. Geological Survey
District :	N/R
State :	CA
County :	Kern County
Country :	USA
Land Net Location :	N/R
Name of Location Map :	MONOLITH
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	3610.
Method Altitude Determined :	Interpolated from topographic map.
Altitude Accuracy :	10
Altitude Datum :	National Geodetic Vertical Datum of 1929
Hydrologic Unit :	Antelope-Fremont Valleys
Drainage Basin :	N/R
Topographic Setting :	Alluvial fan
Flags for the Type of Data Collected:	NANNNNNNNNNNNNNNNNNNNNNNNNNNNI
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

Map Id: 137
Direction: ENE
Distance: 0.313 mi., 1653 ft.
Elevation: 3607 ft.
Relative: Lower

Site Name : 350214118180701
35.037192, -118.302857
CA

Database(s) : [NWIS] ***(cont.)***

Envirosite ID: 9171862
EPA ID: N/R

NWIS ***(cont.)***

Date of First Construction :	1953-12-10
Date Site Established or Inventoried:	1955-10-06
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYNYNYYN
National Aquifer :	Basin and Range basin-fill aquifers
Local Aquifer :	N/R
Local Aquifer Type :	N/R
Well Depth :	430
Hole Depth :	430
Source of Depth Data :	D
Project Number :	N/R
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1953-12-10
Field Water-level Measurements End Date:	2022-03-16
Field Water-Level Measurements Count:	96
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	35.037192
Longitude :	-118.302857
Last Date in Agency List :	2022-05-19

Map Id: 138
Direction: E
Distance: 0.319 mi., 1684 ft.
Elevation: 3445 ft.
Relative: Lower

Site Name : WINDMILL
35.023256, -118.298686
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817013
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-13
Action :	Change
FAA Study Number :	2013WTW08486OE
OBS Number :	06-021315
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1

Map Id: 138
Direction: E
Distance: 0.319 mi., 1684 ft.
Elevation: 3445 ft.
Relative: Lower

Site Name : WINDMILL
35.023256, -118.298686
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 817013
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03850
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 23.72N
Longitude :	118 17 55.27W

Map Id: BG139
Direction: WNW
Distance: 0.330 mi., 1745 ft.
Elevation: 4364 ft.
Relative: Higher

Site Name : WINDMILL
35.037186, -118.358161
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822161
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-23
Action :	Change
FAA Study Number :	2010WTW16731OE
OBS Number :	06-020947
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04743
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 13.87N
Longitude :	118 21 29.38W

Map Id: BK140
Direction: NW
Distance: 0.334 mi., 1765 ft.
Elevation: 4305 ft.
Relative: Higher

Site Name : WINDMILL
35.041464, -118.359061
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820781
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-15
Action :	Add

Map Id: BK140
Direction: NW
Distance: 0.334 mi., 1765 ft.
Elevation: 4305 ft.
Relative: Higher

Site Name : WINDMILL
35.041464, -118.359061
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE] ***(cont.)***

Envirosite ID: 820781
EPA ID: N/R

DIGITAL OBSTACLE ***(cont.)***

FAA Study Number :	2011WTW13029OE
OBS Number :	06-022601
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04721
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 29.27N
Longitude :	118 21 32.62W

Map Id: BH141
Direction: NW
Distance: 0.337 mi., 1780 ft.
Elevation: 4246 ft.
Relative: Higher

Site Name : WINDMILL
35.045986, -118.359528
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822781
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-18
Action :	Change
FAA Study Number :	2010WTW16700OE
OBS Number :	06-021032
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04656
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 45.55N
Longitude :	118 21 34.30W

Map Id: 142
Direction: ESE
Distance: 0.339 mi., 1789 ft.
Elevation: 3384 ft.
Relative: Lower

Site Name : WINDMILL
35.015925, -118.307328
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820770
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16363OE
OBS Number :	06-021277
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03797
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 57.33N
Longitude :	118 18 26.38W

Map Id: BI143
Direction: WNW
Distance: 0.350 mi., 1849 ft.
Elevation: 4292 ft.
Relative: Higher

Site Name : WINDMILL
35.032256, -118.357664
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822770
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-09
Action :	Change
FAA Study Number :	2010WTW16746OE
OBS Number :	06-020956
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04666
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 56.12N
Longitude :	118 21 27.59W

Map Id: 144
Direction: NNW
Distance: 0.355 mi., 1876 ft.
Elevation: 4128 ft.
Relative: Higher

Site Name : WINDMILL
35.055461, -118.351625
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816457
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08505OE
OBS Number :	06-021159
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04529
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 19.66N
Longitude :	118 21 05.85W

Map Id: BL145
Direction: WNW
Distance: 0.358 mi., 1891 ft.
Elevation: 4291 ft.
Relative: Higher

Site Name : WINDMILL
35.028983, -118.36205
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820711
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-20
Action :	Change
FAA Study Number :	2010WTW16743OE
OBS Number :	06-021220
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04688
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 44.34N
Longitude :	118 21 43.38W

Map Id: 146
Direction: N
Distance: 0.361 mi., 1906 ft.
Elevation: 4080 ft.
Relative: Higher

Site Name : N/R
35.0568333, -118.3436667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36720304
EPA ID: N/R

EPICENTERS

Updated Date :	2015-07-06
Time :	18:05:48
ID Number :	ci37199231
Status :	N/R
Type :	quarry blast
Depth :	0.007
Magnitude :	1.31
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	17
Gap :	49
DMIN :	0.0661
RMS :	0.11
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0568333
Longitude :	-118.3436667
Last Date in Agency List :	2015-07-13

Map Id: 147
Direction: NNE
Distance: 0.362 mi., 1914 ft.
Elevation: 4037 ft.
Relative: Higher

Site Name : WINDMILL
35.054906, -118.32595
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817042
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05317OE
OBS Number :	06-023096
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04451
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 17.66N
Longitude :	118 19 33.42W

Map Id: 148
Direction: NW
Distance: 0.373 mi., 1969 ft.
Elevation: 4156 ft.
Relative: Higher

Site Name : N/R
35.0523333, -118.36
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36802054
EPA ID: N/R

EPICENTERS

Updated Date :	2015-07-07
Time :	17:44:59
ID Number :	ci37200463
Status :	N/R
Type :	quarry blast
Depth :	0.017
Magnitude :	1.53
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	18
Gap :	49
DMIN :	0.06342
RMS :	0.16
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0523333
Longitude :	-118.36
Last Date in Agency List :	2015-07-13

Map Id: BJ149
Direction: ENE
Distance: 0.373 mi., 1969 ft.
Elevation: 3570 ft.
Relative: Lower

Site Name : WINDMILL
35.035311, -118.299239
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820568
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-07-25
Action :	Add
FAA Study Number :	2010WTW17212OE
OBS Number :	06-023067
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03980
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 07.12N
Longitude :	118 17 57.26W

Map Id: 150
Direction: NE
Distance: 0.373 mi., 1970 ft.
Elevation: 3915 ft.
Relative: Lower

Site Name : WINDMILL
35.051003, -118.317197
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897775
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-21
Action :	Add
FAA Study Number :	2011WTW13039OE
OBS Number :	06-022649
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04323
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 03.61N
Longitude :	118 19 01.91W

Map Id: BH151
Direction: NW
Distance: 0.380 mi., 2007 ft.
Elevation: 4288 ft.
Relative: Higher

Site Name : TOWER
35.046836, -118.360464
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820347
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-09-23
Action :	Add
FAA Study Number :	2011WTW05772OE
OBS Number :	06-021743
Obstacle Type :	TOWER
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00269
Above Mean Sea Level Height (Feet) :	04558
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 48.61N
Longitude :	118 21 37.67W

Map Id: BM152
Direction: NNW
Distance: 0.380 mi., 2008 ft.
Elevation: 4141 ft.
Relative: Higher

Site Name : WINDMILL
35.056842, -118.349644
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822579
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-12
Action :	Change
FAA Study Number :	2010WTW16693OE
OBS Number :	06-021158
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04544
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 24.63N
Longitude :	118 20 58.72W

Map Id: BG153
Direction: WNW
Distance: 0.388 mi., 2048 ft.
Elevation: 4338 ft.
Relative: Higher

Site Name : WINDMILL
35.036311, -118.358981
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816442
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-27
Action :	Change
FAA Study Number :	2010WTW16730OE
OBS Number :	06-020948
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04729
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 10.72N
Longitude :	118 21 32.33W

Map Id: BK154
Direction: NW
Distance: 0.389 mi., 2053 ft.
Elevation: 4323 ft.
Relative: Higher

Site Name : WINDMILL
35.040664, -118.36
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 37094375
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-15
Action :	Add
FAA Study Number :	2011WTW13028OE
OBS Number :	06-022600
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04739
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 26.39N
Longitude :	118 21 36.00W

Map Id: BM155
Direction: NNW
Distance: 0.392 mi., 2070 ft.
Elevation: 4158 ft.
Relative: Higher

Site Name : WINDMILL
35.057256, -118.348481
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822580
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-08
Action :	Change
FAA Study Number :	2010WTW16694OE
OBS Number :	06-021151
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04545
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 26.12N
Longitude :	118 20 54.53W

Map Id: 156
Direction: ESE
Distance: 0.392 mi., 2072 ft.
Elevation: 3378 ft.
Relative: Lower

Site Name : WINDMILL
35.015122, -118.308506
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816425
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-14
Action :	Add
FAA Study Number :	2010WTW16362OE
OBS Number :	06-021272
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03796
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 54.44N
Longitude :	118 18 30.62W

Map Id: BN157
Direction: ESE
Distance: 0.396 mi., 2091 ft.
Elevation: 3448 ft.
Relative: Lower

Site Name : WINDMILL
35.013711, -118.317294
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820700
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-21
Action :	Add
FAA Study Number :	2010WTW16311OE
OBS Number :	06-021303
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03852
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 49.36N
Longitude :	118 19 02.26W

Map Id: BO158
Direction: W
Distance: 0.399 mi., 2105 ft.
Elevation: 4580 ft.
Relative: Higher

Site Name : WINDMILL
35.028286, -118.367583
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816270
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-22
Action :	Change
FAA Study Number :	2010WTW16740OE
OBS Number :	06-021104
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04981
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 41.83N
Longitude :	118 22 03.30W

Map Id: 159
Direction: ENE
Distance: 0.399 mi., 2107 ft.
Elevation: 3731 ft.
Relative: Lower

Site Name : WINDMILL
35.043483, -118.305725
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 37121009
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2020-01-23
Action :	Add
FAA Study Number :	2016WTW06774OE
OBS Number :	06-229231
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00493
Above Mean Sea Level Height (Feet) :	04214
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 02 36.54N
Longitude :	118 18 20.61W

Map Id: BH160
Direction: NW
Distance: 0.399 mi., 2107 ft.
Elevation: 4272 ft.
Relative: Higher

Site Name : WINDMILL
35.045428, -118.360528
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816113
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-23
Action :	Change
FAA Study Number :	2010WTW16699OE
OBS Number :	06-021089
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04673
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 43.54N
Longitude :	118 21 37.90W

Map Id: BN161
Direction: ESE
Distance: 0.401 mi., 2118 ft.
Elevation: 3447 ft.
Relative: Lower

Site Name : WINDMILL
35.014775, -118.316658
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820766
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08493OE
OBS Number :	06-021300
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03858
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 53.19N
Longitude :	118 18 59.97W

Map Id: BL162
Direction: WNW
Distance: 0.402 mi., 2121 ft.
Elevation: 4333 ft.
Relative: Higher

Site Name : WINDMILL
35.029614, -118.361139
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817390
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-10
Action :	Change
FAA Study Number :	2010WTW16744OE
OBS Number :	06-020917
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04720
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 46.61N
Longitude :	118 21 40.10W

Map Id: BO163
Direction: W
Distance: 0.402 mi., 2124 ft.
Elevation: 4731 ft.
Relative: Higher

Site Name : WINDMILL
35.027525, -118.368619
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816269
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-14
Action :	Change
FAA Study Number :	2010WTW16739OE
OBS Number :	06-021157
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05126
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 39.09N
Longitude :	118 22 07.03W

Map Id: 164
Direction: N
Distance: 0.403 mi., 2127 ft.
Elevation: 4162 ft.
Relative: Higher

Site Name : WINDMILL
35.057842, -118.341958
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820721
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-31
Action :	Change
FAA Study Number :	2013WTW08650OE
OBS Number :	06-023088
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04559
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 28.23N
Longitude :	118 20 31.05W

Map Id: BP165
Direction: ESE
Distance: 0.403 mi., 2130 ft.
Elevation: 3448 ft.
Relative: Lower

Site Name : WINDMILL
35.012672, -118.318006
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817361
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-21
Action :	Add
FAA Study Number :	2010WTW16309OE
OBS Number :	06-021295
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03848
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 45.62N
Longitude :	118 19 04.82W

Map Id: BQ166
Direction: NNW
Distance: 0.405 mi., 2140 ft.
Elevation: 4172 ft.
Relative: Higher

Site Name : N/R
35.0558333, -118.3546667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36806130
EPA ID: N/R

EPICENTERS

Updated Date :	2015-06-23
Time :	00:01:55
ID Number :	ci37405520
Status :	N/R
Type :	earthquake
Depth :	3.687
Magnitude :	1.18
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	19
Gap :	70
DMIN :	0.06597
RMS :	0.14
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0558333
Longitude :	-118.3546667
Last Date in Agency List :	2015-07-13

Map Id: 167
Direction: NNW
Distance: 0.406 mi., 2143 ft.
Elevation: 4194 ft.
Relative: Higher

Site Name : WINDMILL
35.055067, -118.357433
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820801
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-10-01
Action :	Add
FAA Study Number :	2010WTW07230OE
OBS Number :	06-021824
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04552
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 18.24N
Longitude :	118 21 26.76W

Map Id: 168
Direction: NW
Distance: 0.408 mi., 2153 ft.
Elevation: 4199 ft.
Relative: Higher

Site Name : WINDMILL
35.054208, -118.358847
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820799
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-30
Action :	Change
FAA Study Number :	2013WTW08614OE
OBS Number :	06-021813
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04559
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 15.15N
Longitude :	118 21 31.85W

Map Id: 169
Direction: WNW
Distance: 0.417 mi., 2200 ft.
Elevation: 4221 ft.
Relative: Higher

Site Name : WINDMILL
35.030758, -118.358125
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816099
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2010-08-23
Action :	Add
FAA Study Number :	2009WTW03676OE
OBS Number :	06-020900
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04608
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 50.73N
Longitude :	118 21 29.25W

Map Id: BM170
Direction: NNW
Distance: 0.418 mi., 2207 ft.
Elevation: 4142 ft.
Relative: Higher

Site Name : WINDMILL
35.0577, -118.347336
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820583
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-13
Action :	Change
FAA Study Number :	2010WTW16695OE
OBS Number :	06-021190
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04546
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 27.72N
Longitude :	118 20 50.41W

Map Id: BO171
Direction: W
Distance: 0.424 mi., 2239 ft.
Elevation: 4549 ft.
Relative: Higher

Site Name : WINDMILL
35.029081, -118.366975
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821268
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-16
Action :	Change
FAA Study Number :	2010WTW16741OE
OBS Number :	06-021103
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04949
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 44.69N
Longitude :	118 22 01.11W

Map Id: BP172
Direction: ESE
Distance: 0.424 mi., 2240 ft.
Elevation: 3448 ft.
Relative: Lower

Site Name : WINDMILL
35.01165, -118.318761
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816949
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-21
Action :	Add
FAA Study Number :	2010WTW16308OE
OBS Number :	06-021290
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03844
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 41.94N
Longitude :	118 19 07.54W

Map Id: 173
Direction: E
Distance: 0.425 mi., 2243 ft.
Elevation: 3473 ft.
Relative: Lower

Site Name : WINDMILL
35.026436, -118.296844
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816962
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-10
Action :	Change
FAA Study Number :	2013WTW08485OE
OBS Number :	06-021314
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03880
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 35.17N
Longitude :	118 17 48.64W

Map Id: BQ174
Direction: NNW
Distance: 0.442 mi., 2334 ft.
Elevation: 4188 ft.
Relative: Higher

Site Name : N/R
35.0563333, -118.355
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36801726
EPA ID: N/R

EPICENTERS

Updated Date :	2015-01-03
Time :	19:51:35
ID Number :	ci37301208
Status :	N/R
Type :	quarry_blast
Depth :	0.01
Magnitude :	1.4
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	12
Gap :	75
DMIN :	0.0665
RMS :	0.17
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0563333
Longitude :	-118.355
Last Date in Agency List :	2015-01-14

Map Id: BL175
Direction: WNW
Distance: 0.450 mi., 2374 ft.
Elevation: 4368 ft.
Relative: Higher

Site Name : WINDMILL
35.030308, -118.360328
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816272
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-14
Action :	Change
FAA Study Number :	2010WTW16745OE
OBS Number :	06-020899
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04742
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 49.11N
Longitude :	118 21 37.18W

Map Id: BP176
Direction: SE
Distance: 0.456 mi., 2407 ft.
Elevation: 3447 ft.
Relative: Lower

Site Name : WINDMILL
35.010639, -118.319614
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820537
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-21
Action :	Add
FAA Study Number :	2010WTW16307OE
OBS Number :	06-021301
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03848
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 38.30N
Longitude :	118 19 10.61W

Map Id: 177
Direction: NNE
Distance: 0.457 mi., 2413 ft.
Elevation: 3873 ft.
Relative: Lower

Site Name : N/R
35.0531667, -118.3193333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 8532268
EPA ID: N/R

EPICENTERS

Updated Date :	2015-04-30
Time :	17:59:12
ID Number :	ci37372744
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.25
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	22
Gap :	45
DMIN :	0.06503
RMS :	0.16
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0531667
Longitude :	-118.3193333
Last Date in Agency List :	2015-07-13

Map Id: BK178
Direction: NW
Distance: 0.460 mi., 2430 ft.
Elevation: 4322 ft.
Relative: Higher

Site Name : WINDMILL
35.039956, -118.361175
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816106
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-23
Action :	Change
FAA Study Number :	2013WTW08594OE
OBS Number :	06-022599
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04739
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 23.84N
Longitude :	118 21 40.23W

Map Id: 179
Direction: NW
Distance: 0.463 mi., 2444 ft.
Elevation: 4321 ft.
Relative: Higher

Site Name : WINDMILL
35.044797, -118.361547
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821862
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08507OE
OBS Number :	06-021090
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04711
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 41.27N
Longitude :	118 21 41.57W

Map Id: 180
Direction: N
Distance: 0.470 mi., 2483 ft.
Elevation: 4172 ft.
Relative: Higher

Site Name : WINDMILL
35.0585, -118.332136
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820588
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05312OE
OBS Number :	06-023093
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04572
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 30.60N
Longitude :	118 19 55.69W

Map Id: 181
Direction: WNW
Distance: 0.470 mi., 2484 ft.
Elevation: 4288 ft.
Relative: Higher

Site Name : WINDMILL
35.035494, -118.360269
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820715
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-12
Action :	Change
FAA Study Number :	2010WTW16729OE
OBS Number :	06-020983
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04682
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 07.78N
Longitude :	118 21 36.97W

Map Id: BQ182
Direction: NNW
Distance: 0.471 mi., 2489 ft.
Elevation: 4210 ft.
Relative: Higher

Site Name : WINDMILL
35.056556, -118.356142
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820802
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-09-27
Action :	Add
FAA Study Number :	2010WTW07229OE
OBS Number :	06-021826
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04568
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 23.60N
Longitude :	118 21 22.11W

Map Id: 183
Direction: NE
Distance: 0.472 mi., 2491 ft.
Elevation: 3885 ft.
Relative: Lower

Site Name : WINDMILL
35.051444, -118.314158
ROSEMOND, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 897776
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-03-21
Action :	Add
FAA Study Number :	2011WTW13042OE
OBS Number :	06-022651
Obstacle Type :	WINDMILL
City Name :	ROSEMOND
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00411
Above Mean Sea Level Height (Feet) :	04301
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 05.20N
Longitude :	118 18 50.97W

Map Id: BR184
Direction: E
Distance: 0.475 mi., 2506 ft.
Elevation: 3481 ft.
Relative: Lower

Site Name : WINDMILL
35.027417, -118.295972
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817023
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-04
Action :	Add
FAA Study Number :	2010WTW16830OE
OBS Number :	06-021366
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03888
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 38.70N
Longitude :	118 17 45.50W

Map Id: BS185
Direction: NNE
Distance: 0.487 mi., 2574 ft.
Elevation: 3977 ft.
Relative: Higher

Site Name : WINDMILL
35.055467, -118.323303
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822275
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-31
Action :	Change
FAA Study Number :	2013WTW08646OE
OBS Number :	06-023092
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04407
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 19.68N
Longitude :	118 19 23.89W

Map Id: BT186
Direction: NW
Distance: 0.499 mi., 2636 ft.
Elevation: 4239 ft.
Relative: Higher

Site Name : WINDMILL
35.054461, -118.360792
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820250
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-09-27
Action :	Add
FAA Study Number :	2010WTW00201OE
OBS Number :	06-021799
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04594
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 16.06N
Longitude :	118 21 38.85W

Map Id: BU187
Direction: W
Distance: 0.516 mi., 2723 ft.
Elevation: 4849 ft.
Relative: Higher

Site Name : WINDMILL
35.027619, -118.370986
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816965
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2010-12-14
Action :	Add
FAA Study Number :	2009WTW03668OE
OBS Number :	06-021160
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05220
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 39.43N
Longitude :	118 22 15.55W

Map Id: BV188
Direction: NW
Distance: 0.522 mi., 2758 ft.
Elevation: 4361 ft.
Relative: Higher

Site Name : WINDMILL
35.044008, -118.362458
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817402
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08491OE
OBS Number :	06-021020
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04745
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 38.43N
Longitude :	118 21 44.85W

Map Id: BR189
Direction: E
Distance: 0.523 mi., 2761 ft.
Elevation: 3486 ft.
Relative: Lower

Site Name : WINDMILL
35.028411, -118.295128
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817027
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-04
Action :	Add
FAA Study Number :	2010WTW16831OE
OBS Number :	06-021367
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03895
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 42.28N
Longitude :	118 17 42.46W

Map Id: 190
Direction: N
Distance: 0.527 mi., 2783 ft.
Elevation: 4168 ft.
Relative: Higher

Site Name : WINDMILL
35.059819, -118.339722
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820259
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-07
Action :	Add
FAA Study Number :	2012WTW05326OE
OBS Number :	06-023094
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04577
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 35.35N
Longitude :	118 20 23.00W

Map Id: 191
Direction: NNE
Distance: 0.543 mi., 2870 ft.
Elevation: 4092 ft.
Relative: Higher

Site Name : WINDMILL
35.059339, -118.329725
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815883
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-31
Action :	Change
FAA Study Number :	2013WTW08645OE
OBS Number :	06-023082
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04499
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 33.62N
Longitude :	118 19 47.01W

Map Id: 192
Direction: N
Distance: 0.552 mi., 2913 ft.
Elevation: 4177 ft.
Relative: Higher

Site Name : WINDMILL
35.060317, -118.336811
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816302
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-10
Action :	Add
FAA Study Number :	2012WTW05311OE
OBS Number :	06-023087
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04605
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 37.14N
Longitude :	118 20 12.52W

Map Id: BU193
Direction: W
Distance: 0.560 mi., 2955 ft.
Elevation: 4847 ft.
Relative: Higher

Site Name : WINDMILL
35.027089, -118.372192
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822157
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-23
Action :	Change
FAA Study Number :	2010WTW16738OE
OBS Number :	06-021161
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05233
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 37.52N
Longitude :	118 22 19.89W

Map Id: 194
Direction: NE
Distance: 0.560 mi., 2956 ft.
Elevation: 3824 ft.
Relative: Lower

Site Name : TOWER
35.0518, -118.312181
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 811901
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-12-07
Action :	Add
FAA Study Number :	2011WTW07104OE
OBS Number :	06-022035
Obstacle Type :	TOWER
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00269
Above Mean Sea Level Height (Feet) :	04107
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 06.48N
Longitude :	118 18 43.85W

Map Id: 195
Direction: NNW
Distance: 0.569 mi., 3004 ft.
Elevation: 4245 ft.
Relative: Higher

Site Name : WINDMILL
35.057997, -118.356239
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816458
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-27
Action :	Change
FAA Study Number :	2013WTW08564OE
OBS Number :	06-021825
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04599
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 28.79N
Longitude :	118 21 22.46W

Map Id: BS196
Direction: NNE
Distance: 0.571 mi., 3013 ft.
Elevation: 3945 ft.
Relative: Higher

Site Name : N/R
35.0565, -118.3225
CA

Database(s) : [EPICENTERS]

Envirosite ID: 8532400
EPA ID: N/R

EPICENTERS

Updated Date :	2015-05-21
Time :	17:42:40
ID Number :	ci37166727
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.43
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	10
Gap :	102
DMIN :	0.06758
RMS :	0.13
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0565
Longitude :	-118.3225
Last Date in Agency List :	2015-07-13

Map Id: BR197
Direction: E
Distance: 0.572 mi., 3022 ft.
Elevation: 3488 ft.
Relative: Lower

Site Name : WINDMILL
35.029386, -118.294264
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821269
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08516OE
OBS Number :	06-021368
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03896
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 45.79N
Longitude :	118 17 39.35W

Map Id: 198
Direction: WNW
Distance: 0.573 mi., 3028 ft.
Elevation: 4361 ft.
Relative: Higher

Site Name : WINDMILL
35.035147, -118.362042
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822774
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08511OE
OBS Number :	06-020976
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04727
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 06.53N
Longitude :	118 21 43.35W

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF]

Envirosite ID: 223307
EPA ID: N/R

PWS

Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501
PWS ID :	CA1502034
PWS Type :	Non-Transient non-community system
PWS Name :	CALIFORNIA PORTLAND CEMENT
Activity Status :	Active
Primary Source :	Ground water
Submission Year :	2022
Submission Year Quarter :	2022Q1
Population Served Count :	200
Service Connections Count :	14
Population Category 2 :	<10,000
Population Category 3 :	<=3300
Population Category 4 :	<10K
Population Category 5 :	<=500
Population Category 11 :	101-500
Submission Quarter :	1
Submission Status Code :	Y

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ***(cont.)***

First Reported Date :	1979-03-22
Last Reported Date :	2022-03-31
Deactivation Date :	N/R
GW or SW :	Groundwater
Is Grant Eligible :	Y
Is Outstanding Performer :	N/R
Is School or Daycare :	N
Is Source Water Protected :	N/R
Primacy Agency :	California
Primacy Type :	State
Org Name :	MALES, BRIAN
EPA Region :	Region 9
Admin Name :	MALES, BRIAN
Owner Type :	Private
Phone Number :	661-823-3731
Phone Ext Number :	N/R
Alt Phone Number :	N/R
Email Address :	bmales@calportland.com
Fax Number :	N/R
Is Wholesaler :	N
LT2 Schedule Category :	N/R
NPM Candidate :	Y
CDS ID :	N/R
DBPR Schedule Category :	N/R
Outstanding Performer Date :	N/R
Season Begin Date :	01-Jan
Season End Date :	31-Dec
Source Water Protection Date :	N/R
Seasonal Startup System :	N/R
Reduced Monitoring Begin Date :	N/R
Reduced Monitoring End Date :	N/R
Reduced RTCR Monitoring :	N/R
Last Date in Agency List :	2022-05-10

PWS ENF

Facility Address :	9350 OAK CREEK ROAD, MOJAVE, CA 93501

Site Details

PWS ID :	CA1502034
PWS Name :	CALIFORNIA PORTLAND CEMENT
EPA Region :	Region 9
Primacy Agency :	California
PWS Type :	Non-Transient non-community system
Primacy Type :	State
Primary Source :	Ground water
Activity Status :	Active
Deactivation Date :	N/R
Owner Type :	Private

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Phone Number :	661-823-3731
Last Date in Agency List :	2022-03-28

Violation Details

Details for this site have been truncated due to the large number of available details for this site within this dataset. For the complete details for this site, contact your Envirosite account representative for a complimentary site report containing all of the details available.

RTC Enforcement ID :	N/R
Violation ID :	8461513
Submission Year :	2021
Violation First Reported Date :	1984-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	N/R
Violation ID :	8314563
Submission Year :	2021
Violation First Reported Date :	1983-09-30
Contaminant Name :	N/R
Rule Family :	Miscellaneous
Rule Group :	Other
Rule Name :	Miscellaneous
Violation Type :	Notification, Public
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Known
RTC Date :	N/R
Enforcement Action Description :	N/R

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com
RTC Enforcement ID :	1019006
Violation ID :	819003
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Surface Water Treatment Rule
Rule Family :	Surface Water Treatment Rules
Rule Group :	Microbials
Rule Name :	Surface Water Treatment Rule
Violation Type :	Failure to Filter (SWTR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2009-12-30
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com
RTC Enforcement ID :	1019011
Violation ID :	1019012
Submission Year :	2021
Violation First Reported Date :	2018-02-12
Contaminant Name :	Revised Total Coliform Rule
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Revised Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, E. coli (RTCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	1
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2017-12-11
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com
RTC Enforcement ID :	1019012
Violation ID :	519001
Submission Year :	2021

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Violation First Reported Date :	2006-09-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Monitoring, Routine Major (TCR)
Is Health Based :	N
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	3
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2005-08-31
Enforcement Action Description :	State Compliance achieved
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019013
Violation ID :	819002
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-09-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019014
Violation ID :	819004
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-10-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019015
Violation ID :	919005
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-11-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

RTC Enforcement ID :	1019016
Violation ID :	919006
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2008-12-30
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN

Map Id: 199
Direction: ENE
Distance: 0.575 mi., 3036 ft.
Elevation: 3591 ft.
Relative: Lower

Site Name : CALPORTLAND COMPANY | MOJAVE PLANT-CALIF PORTLAND | MOJAVE READY MIX PLANT
9350 OAK CREEK RD | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PL | 9350 OAK CREEK ROAD (INSIDE CAL PORTLAND CEMENT PLANT)
MOJAVE | Mojave | mojave, CA

Database(s) : [PWS, PWS ENF] ***(cont.)***

Envirosite ID: 223307
EPA ID: N/R

PWS ENF ***(cont.)***

Email Address :	bmales@calportland.com
RTC Enforcement ID :	1019017
Violation ID :	919007
Submission Year :	2021
Violation First Reported Date :	2009-06-08
Contaminant Name :	Coliform (TCR)
Rule Family :	Total Coliform Rules
Rule Group :	Microbials
Rule Name :	Total Coliform Rule
Violation Type :	Maximum Contaminant Level Violation, Monthly (TCR)
Is Health Based :	Y
Is Major Violation :	N/R
Severity Indicator Count :	N/R
Public Notification Tier :	2
Address Line 1 :	9350 OAK CREEK ROAD, MOJAVE, 93501
Address Line 2 :	N/R
Compliance Status :	Returned to Compliance
RTC Date :	2009-01-31
Enforcement Action Description :	State Administrative/Compliance Order without penalty issued
Admin Name :	MALES, BRIAN
Email Address :	bmales@calportland.com

Map Id: BT200
Direction: NW
Distance: 0.575 mi., 3038 ft.
Elevation: 4296 ft.
Relative: Higher

Site Name : N/R
35.0551667, -118.3618333
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36820139
EPA ID: N/R

EPICENTERS

Updated Date :	2015-02-13
Time :	19:23:11
ID Number :	ci37313584
Status :	N/R
Type :	quarry blast
Depth :	0.01
Magnitude :	1.96
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	11
Gap :	124
DMIN :	0.06653

Map Id: BT200
Direction: NW
Distance: 0.575 mi., 3038 ft.
Elevation: 4296 ft.
Relative: Higher

Site Name : N/R
35.0551667, -118.3618333
CA

Database(s) : [EPICENTERS] ***(cont.)***

Envirosite ID: 36820139
EPA ID: N/R

EPICENTERS ***(cont.)***

RMS :	0.27
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0551667
Longitude :	-118.3618333
Last Date in Agency List :	2015-04-14

Map Id: BW201
Direction: NNE
Distance: 0.588 mi., 3103 ft.
Elevation: 3936 ft.
Relative: Higher

Site Name : N/R
35.0556667, -118.3195
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36776143
EPA ID: N/R

EPICENTERS

Updated Date :	2020-02-29
Time :	06:58:52
ID Number :	ci39286528
Status :	reviewed
Type :	earthquake
Depth :	1.93
Magnitude :	2.84
Magnitude Type :	Local (ml)
Magnitude Error :	0.171
Magnitude NST :	119
Magnitude Source :	ci
NST :	61
Gap :	35
DMIN :	0.06739
RMS :	0.17
Net :	ci
Horizontal Error :	0.13
Depth Error :	0.39
Location Source :	ci
Latitude :	35.0556667
Longitude :	-118.3195
Last Date in Agency List :	2020-03-13

Map Id: BV202
Direction: NW
Distance: 0.593 mi., 3134 ft.
Elevation: 4404 ft.
Relative: Higher

Site Name : WINDMILL
35.043697, -118.363703
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822778
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-23
Action :	Change
FAA Study Number :	2010WTW16697OE
OBS Number :	06-021029
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04799
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 37.31N
Longitude :	118 21 49.33W

Map Id: BX203
Direction: NNE
Distance: 0.597 mi., 3153 ft.
Elevation: 4123 ft.
Relative: Higher

Site Name : WINDMILL
35.059408, -118.327014
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817421
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05314OE
OBS Number :	06-023099
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04514
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 33.87N
Longitude :	118 19 37.25W

Map Id: BX204
Direction: NNE
Distance: 0.599 mi., 3166 ft.
Elevation: 4117 ft.
Relative: Higher

Site Name : N/R
35.0598333, -118.3281667
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36770900
EPA ID: N/R

EPICENTERS

Updated Date :	2014-08-28
Time :	02:05:36
ID Number :	ci37262144
Status :	N/R
Type :	earthquake
Depth :	8.35
Magnitude :	1.02
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	10
Gap :	72
DMIN :	0.06994
RMS :	0.05
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0598333
Longitude :	-118.3281667
Last Date in Agency List :	2014-10-14

Map Id: BW205
Direction: NNE
Distance: 0.609 mi., 3218 ft.
Elevation: 3971 ft.
Relative: Higher

Site Name : WINDMILL
35.055386, -118.318342
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820719
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-31
Action :	Change
FAA Study Number :	2013WTW08648OE
OBS Number :	06-023086
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04409
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 19.39N
Longitude :	118 19 06.03W

Map Id: BY206
Direction: W
Distance: 0.609 mi., 3218 ft.
Elevation: 4924 ft.
Relative: Higher

Site Name : WINDMILL
35.026717, -118.373317
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820777
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-20
Action :	Change
FAA Study Number :	2010WTW16737OE
OBS Number :	06-021162
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05317
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 36.18N
Longitude :	118 22 23.94W

Map Id: 207
Direction: NE
Distance: 0.633 mi., 3342 ft.
Elevation: 3744 ft.
Relative: Lower

Site Name : WINDMILL
35.047658, -118.304833
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 37097543
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2020-01-23
Action :	Add
FAA Study Number :	2016WTW06773OE
OBS Number :	06-229230
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00493
Above Mean Sea Level Height (Feet) :	04229
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 02 51.57N
Longitude :	118 18 17.40W

Map Id: 208
Direction: NNW
Distance: 0.638 mi., 3368 ft.
Elevation: 4308 ft.
Relative: Higher

Site Name : WINDMILL
35.058308, -118.358728
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816996
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-09-29
Action :	Add
FAA Study Number :	2010WTW00204OE
OBS Number :	06-021816
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04653
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 29.91N
Longitude :	118 21 31.42W

Map Id: BY209
Direction: W
Distance: 0.642 mi., 3390 ft.
Elevation: 5009 ft.
Relative: Higher

Site Name : WINDMILL
35.026161, -118.374128
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822155
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-22
Action :	Change
FAA Study Number :	2010WTW16736OE
OBS Number :	06-021174
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05420
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 34.18N
Longitude :	118 22 26.86W

Map Id: 210
Direction: NW
Distance: 0.642 mi., 3392 ft.
Elevation: 4346 ft.
Relative: Higher

Site Name : WINDMILL
35.056961, -118.361325
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822283
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-10-05
Action :	Add
FAA Study Number :	2010WTW00185OE
OBS Number :	06-021798
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04700
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 25.06N
Longitude :	118 21 40.77W

Map Id: 211
Direction: NE
Distance: 0.651 mi., 3438 ft.
Elevation: 3867 ft.
Relative: Lower

Site Name : MET
35.051928, -118.309478
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 1138379
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2019-08-30
Action :	Add
FAA Study Number :	2016WTW13344OE
OBS Number :	06-222366
Obstacle Type :	MET
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	Orange or Orange And White Paint
Above Ground Level Height (Feet) :	00309
Above Mean Sea Level Height (Feet) :	04202
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 03 06.94N
Longitude :	118 18 34.12W

Map Id: 212
Direction: ENE
Distance: 0.653 mi., 3450 ft.
Elevation: 3646 ft.
Relative: Lower

Site Name : WINDMILL
35.040925, -118.298892
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 23405386
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2019-12-19
Action :	Add
FAA Study Number :	2016WTW06767OE
OBS Number :	06-226839
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00493
Above Mean Sea Level Height (Feet) :	04136
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 02 27.33N
Longitude :	118 17 56.01W

Map Id: BV213
Direction: NW
Distance: 0.661 mi., 3492 ft.
Elevation: 4449 ft.
Relative: Higher

Site Name : WINDMILL
35.043353, -118.364894
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820248
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-15
Action :	Change
FAA Study Number :	2013WTW08506OE
OBS Number :	06-020989
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04844
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 36.07N
Longitude :	118 21 53.62W

Map Id: 214
Direction: N
Distance: 0.663 mi., 3500 ft.
Elevation: 4249 ft.
Relative: Higher

Site Name : WINDMILL
35.061233, -118.344114
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817422
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2006-01-29
Action :	Change
FAA Study Number :	2004AWP01956OE
OBS Number :	06-002571
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00340
Above Mean Sea Level Height (Feet) :	04585
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 40.44N
Longitude :	118 20 38.81W

Map Id: BZ215
Direction: E
Distance: 0.665 mi., 3512 ft.
Elevation: 3359 ft.
Relative: Lower

Site Name : WINDMILL
35.016867, -118.295089
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815841
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08496OE
OBS Number :	06-021302
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03764
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 00.72N
Longitude :	118 17 42.32W

Map Id: BZ216
Direction: E
Distance: 0.678 mi., 3582 ft.
Elevation: 3352 ft.
Relative: Lower

Site Name : WINDMILL
35.015836, -118.295906
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820539
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16327OE
OBS Number :	06-021278
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03762
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 57.01N
Longitude :	118 17 45.26W

Map Id: BY217
Direction: W
Distance: 0.681 mi., 3596 ft.
Elevation: 5058 ft.
Relative: Higher

Site Name : WINDMILL
35.025683, -118.375372
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816436
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-21
Action :	Change
FAA Study Number :	2010WTW16735OE
OBS Number :	06-021171
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05435
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 32.46N
Longitude :	118 22 31.34W

Map Id: 218
Direction: NE
Distance: 0.686 mi., 3624 ft.
Elevation: 3934 ft.
Relative: Higher

Site Name : WINDMILL
35.054814, -118.313786
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820255
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-07-24
Action :	Add
FAA Study Number :	2010WTW09532OE
OBS Number :	06-023060
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04361
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 17.33N
Longitude :	118 18 49.63W

Map Id: 219
Direction: NNW
Distance: 0.689 mi., 3638 ft.
Elevation: 4330 ft.
Relative: Higher

Site Name : WINDMILL
35.061611, -118.348031
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820263
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2006AWP00133OE
OBS Number :	06-020382
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00316
Above Mean Sea Level Height (Feet) :	04641
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 41.80N
Longitude :	118 20 52.91W

Map Id: 220
Direction: NNE
Distance: 0.690 mi., 3646 ft.
Elevation: 3996 ft.
Relative: Higher

Site Name : WINDMILL
35.057814, -118.320725
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816123
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2003AWP04589OE
OBS Number :	06-020373
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00340
Above Mean Sea Level Height (Feet) :	04381
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 28.13N
Longitude :	118 19 14.61W

Map Id: 221
Direction: NNW
Distance: 0.694 mi., 3666 ft.
Elevation: 4272 ft.
Relative: Higher

Site Name : WINDMILL
35.061061, -118.351711
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816997
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2006AWP00131OE
OBS Number :	06-020384
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00324
Above Mean Sea Level Height (Feet) :	04594
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 39.82N
Longitude :	118 21 06.16W

Map Id: 222
Direction: ESE
Distance: 0.698 mi., 3686 ft.
Elevation: 3344 ft.
Relative: Lower

Site Name : WINDMILL
35.014783, -118.296744
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816083
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16326OE
OBS Number :	06-021288
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03760
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 53.22N
Longitude :	118 17 48.28W

Map Id: 223
Direction: NNW
Distance: 0.702 mi., 3705 ft.
Elevation: 4327 ft.
Relative: Higher

Site Name : WINDMILL
35.061594, -118.349928
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821867
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2009-05-28
Action :	Change
FAA Study Number :	2006AWP00132OE
OBS Number :	06-020383
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00317
Above Mean Sea Level Height (Feet) :	04642
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 41.74N
Longitude :	118 20 59.74W

Map Id: CA224
Direction: WNW
Distance: 0.703 mi., 3714 ft.
Elevation: 4441 ft.
Relative: Higher

Site Name : WINDMILL
35.038167, -118.365128
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816444
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-02-03
Action :	Change
FAA Study Number :	2013WTW08510OE
OBS Number :	06-020957
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04829
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 17.40N
Longitude :	118 21 54.46W

Map Id: 225
Direction: ESE
Distance: 0.708 mi., 3737 ft.
Elevation: 3337 ft.
Relative: Lower

Site Name : WINDMILL
35.01375, -118.297589
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817364
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-31
Action :	Add
FAA Study Number :	2010WTW01263OE
OBS Number :	06-021320
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03750
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 49.50N
Longitude :	118 17 51.32W

Map Id: 226
Direction: NNE
Distance: 0.712 mi., 3760 ft.
Elevation: 4159 ft.
Relative: Higher

Site Name : WINDMILL
35.06105, -118.326514
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822286
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2013-11-05
Action :	Change
FAA Study Number :	2013WTW08460OE
OBS Number :	06-020388
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00330
Above Mean Sea Level Height (Feet) :	04490
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 39.78N
Longitude :	118 19 35.45W

Map Id: 227
Direction: ESE
Distance: 0.720 mi., 3802 ft.
Elevation: 3329 ft.
Relative: Lower

Site Name : WINDMILL
35.012772, -118.298564
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822117
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16324OE
OBS Number :	06-021279
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03745
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 45.98N
Longitude :	118 17 54.83W

Map Id: 228
Direction: NW
Distance: 0.727 mi., 3840 ft.
Elevation: 4396 ft.
Relative: Higher

Site Name : WINDMILL
35.058519, -118.36135
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820258
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-10-03
Action :	Add
FAA Study Number :	2010WTW00186OE
OBS Number :	06-021797
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04743
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 30.67N
Longitude :	118 21 40.86W

Map Id: 229
Direction: ENE
Distance: 0.731 mi., 3861 ft.
Elevation: 3677 ft.
Relative: Lower

Site Name : WINDMILL
35.042831, -118.298403
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 23402899
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2019-12-19
Action :	Add
FAA Study Number :	2016WTW06777OE
OBS Number :	06-226840
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00493
Above Mean Sea Level Height (Feet) :	04167
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 02 34.19N
Longitude :	118 17 54.25W

Map Id: CB230
Direction: W
Distance: 0.733 mi., 3869 ft.
Elevation: 5128 ft.
Relative: Higher

Site Name : WINDMILL
35.02605, -118.376831
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820548
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-27
Action :	Change
FAA Study Number :	2010WTW16734OE
OBS Number :	06-021185
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05523
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 33.78N
Longitude :	118 22 36.59W

Map Id: CC231
Direction: ESE
Distance: 0.747 mi., 3943 ft.
Elevation: 3321 ft.
Relative: Lower

Site Name : WINDMILL
35.011761, -118.299464
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 818574
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-02-03
Action :	Change
FAA Study Number :	2013WTW08494OE
OBS Number :	06-021296
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03736
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 42.34N
Longitude :	118 17 58.07W

Map Id: CB232
Direction: W
Distance: 0.751 mi., 3964 ft.
Elevation: 5200 ft.
Relative: Higher

Site Name : WINDMILL
35.025833, -118.378139
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817017
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-06
Action :	Change
FAA Study Number :	2010WTW16733OE
OBS Number :	06-021170
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05560
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 33.00N
Longitude :	118 22 41.30W

Map Id: 233
Direction: NE
Distance: 0.765 mi., 4039 ft.
Elevation: 3845 ft.
Relative: Lower

Site Name : WINDMILL
35.051025, -118.305489
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 37086743
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2020-01-23
Action :	Add
FAA Study Number :	2016WTW06772OE
OBS Number :	06-229229
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00493
Above Mean Sea Level Height (Feet) :	04317
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 03 03.69N
Longitude :	118 18 19.76W

Map Id: 234
Direction: NNE
Distance: 0.769 mi., 4059 ft.
Elevation: 4085 ft.
Relative: Higher

Site Name : WINDMILL
35.059531, -118.321478
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822285
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05319OE
OBS Number :	06-023095
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04501
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 34.31N
Longitude :	118 19 17.32W

Map Id: 235
Direction: ESE
Distance: 0.774 mi., 4088 ft.
Elevation: 3310 ft.
Relative: Lower

Site Name : WINDMILL
35.010231, -118.302236
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822114
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16319OE
OBS Number :	06-021292
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03726
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 36.83N
Longitude :	118 18 08.05W

Map Id: CA236
Direction: WNW
Distance: 0.775 mi., 4095 ft.
Elevation: 4458 ft.
Relative: Higher

Site Name : WINDMILL
35.037811, -118.366339
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816274
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-04-11
Action :	Add
FAA Study Number :	2010WTW16726OE
OBS Number :	06-021337
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04861
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 16.12N
Longitude :	118 21 58.82W

Map Id: CC237
Direction: ESE
Distance: 0.777 mi., 4103 ft.
Elevation: 3319 ft.
Relative: Lower

Site Name : WINDMILL
35.010836, -118.30035
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816420
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16321OE
OBS Number :	06-021285
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03728
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 39.01N
Longitude :	118 18 01.26W

Map Id: 238
Direction: N
Distance: 0.777 mi., 4105 ft.
Elevation: 4284 ft.
Relative: Higher

Site Name : WINDMILL
35.063256, -118.342731
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 818600
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2006-01-29
Action :	Change
FAA Study Number :	2004AWP01957OE
OBS Number :	06-002572
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00340
Above Mean Sea Level Height (Feet) :	04615
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 47.72N
Longitude :	118 20 33.83W

Map Id: 239
Direction: N
Distance: 0.780 mi., 4118 ft.
Elevation: 4321 ft.
Relative: Higher

Site Name : WINDMILL
35.063617, -118.336625
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821362
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-30
Action :	Change
FAA Study Number :	2013WTW08643OE
OBS Number :	06-023111
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04704
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 49.02N
Longitude :	118 20 11.85W

Map Id: 240
Direction: NNW
Distance: 0.786 mi., 4150 ft.
Elevation: 4334 ft.
Relative: Higher

Site Name : WINDMILL
35.059939, -118.360564
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821360
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-27
Action :	Change
FAA Study Number :	2013WTW08565OE
OBS Number :	06-021808
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04700
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 35.78N
Longitude :	118 21 38.03W

Map Id: 241
Direction: NE
Distance: 0.789 mi., 4165 ft.
Elevation: 3965 ft.
Relative: Higher

Site Name : WINDMILL
35.055242, -118.311011
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820582
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-31
Action :	Change
FAA Study Number :	2013WTW08649OE
OBS Number :	06-023084
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04385
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 18.87N
Longitude :	118 18 39.64W

Map Id: 242
Direction: WNW
Distance: 0.800 mi., 4227 ft.
Elevation: 4606 ft.
Relative: Higher

Site Name : WINDMILL
35.032772, -118.372106
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817029
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2013-10-31
Action :	Change
FAA Study Number :	2013WTW08456OE
OBS Number :	06-021180
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05003
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 57.98N
Longitude :	118 22 19.58W

Map Id: 243
Direction: N
Distance: 0.816 mi., 4307 ft.
Elevation: 4290 ft.
Relative: Higher

Site Name : WINDMILL
35.064006, -118.340281
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 817430
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2006-01-29
Action :	Change
FAA Study Number :	2004AWP01958OE
OBS Number :	06-002573
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00340
Above Mean Sea Level Height (Feet) :	04625
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 50.42N
Longitude :	118 20 25.01W

Map Id: 244
Direction: E
Distance: 0.826 mi., 4360 ft.
Elevation: 3481 ft.
Relative: Lower

Site Name : WINDMILL
35.032528, -118.289825
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822771
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-10
Action :	Change
FAA Study Number :	2013WTW08484OE
OBS Number :	06-021313
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03882
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 01 57.10N
Longitude :	118 17 23.37W

Map Id: CD245
Direction: WNW
Distance: 0.836 mi., 4412 ft.
Elevation: 4463 ft.
Relative: Higher

Site Name : WINDMILL
35.036961, -118.367214
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820575
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-03
Action :	Change
FAA Study Number :	2010WTW16725OE
OBS Number :	06-020978
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04863
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 13.06N
Longitude :	118 22 01.97W

Map Id: CE246
Direction: ENE
Distance: 0.840 mi., 4436 ft.
Elevation: 3483 ft.
Relative: Lower

Site Name : WINDMILL
35.033806, -118.289728
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822159
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-18
Action :	Add
FAA Study Number :	2010WTW17006OE
OBS Number :	06-021388
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03891
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 01.70N
Longitude :	118 17 23.02W

Map Id: 247
Direction: N
Distance: 0.842 mi., 4446 ft.
Elevation: 4333 ft.
Relative: Higher

Site Name : WINDMILL
35.064406, -118.334792
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820725
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-14
Action :	Add
FAA Study Number :	2012WTW05304OE
OBS Number :	06-023112
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04734
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 51.86N
Longitude :	118 20 05.25W

Map Id: CF248
Direction: ESE
Distance: 0.871 mi., 4597 ft.
Elevation: 3298 ft.
Relative: Lower

Site Name : WINDMILL
35.008642, -118.302786
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815833
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16317OE
OBS Number :	06-021286
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03712
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 31.11N
Longitude :	118 18 10.03W

Map Id: 249
Direction: WNW
Distance: 0.874 mi., 4617 ft.
Elevation: 4632 ft.
Relative: Higher

Site Name : WINDMILL
35.035053, -118.370225
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822160
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-02
Action :	Change
FAA Study Number :	2010WTW16722OE
OBS Number :	06-020987
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05026
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 06.19N
Longitude :	118 22 12.81W

Map Id: 250
Direction: NNE
Distance: 0.878 mi., 4636 ft.
Elevation: 4244 ft.
Relative: Higher

Site Name : WINDMILL
35.06255, -118.323517
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 821361
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05315OE
OBS Number :	06-023100
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04658
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 45.18N
Longitude :	118 19 24.66W

Map Id: CG251
Direction: NW
Distance: 0.885 mi., 4673 ft.
Elevation: 4473 ft.
Relative: Higher

Site Name : WINDMILL
35.053336, -118.369331
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820718
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-14
Action :	Change
FAA Study Number :	2013WTW08504OE
OBS Number :	06-021191
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04884
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 12.01N
Longitude :	118 22 09.59W

Map Id: 252
Direction: ENE
Distance: 0.887 mi., 4684 ft.
Elevation: 3767 ft.
Relative: Lower

Site Name : WINDMILL
35.047872, -118.298928
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 23407822
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2019-12-23
Action :	Add
FAA Study Number :	2016WTW06776OE
OBS Number :	06-226942
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00493
Above Mean Sea Level Height (Feet) :	04257
Horizontal Accuracy :	+-250'
Vertical Accuracy :	+-50'
Latitude :	35 02 52.34N
Longitude :	118 17 56.14W

Map Id: CE253
Direction: ENE
Distance: 0.887 mi., 4684 ft.
Elevation: 3495 ft.
Relative: Lower

Site Name : WINDMILL
35.034919, -118.289147
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820563
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-18
Action :	Add
FAA Study Number :	2010WTW16833OE
OBS Number :	06-021390
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03900
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 05.71N
Longitude :	118 17 20.93W

Map Id: 254
Direction: WNW
Distance: 0.892 mi., 4711 ft.
Elevation: 4594 ft.
Relative: Higher

Site Name : WINDMILL
35.034589, -118.371819
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820244
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-02
Action :	Change
FAA Study Number :	2010WTW16721OE
OBS Number :	06-020988
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	05008
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 04.52N
Longitude :	118 22 18.55W

Map Id: CD255
Direction: WNW
Distance: 0.893 mi., 4717 ft.
Elevation: 4579 ft.
Relative: Higher

Site Name : WINDMILL
35.035728, -118.369253
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816973
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-02
Action :	Change
FAA Study Number :	2010WTW16723OE
OBS Number :	06-020986
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04984
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 08.62N
Longitude :	118 22 09.31W

Map Id: 256
Direction: E
Distance: 0.896 mi., 4732 ft.
Elevation: 3322 ft.
Relative: Lower

Site Name : 350055118172601
35.015249, -118.291468
CA

Database(s) : [NWIS]

Envirosite ID: 9200818
EPA ID: N/R

NWIS

Site Identification Number :	350055118172601
Site Type :	Well
Station Name :	011N013W29M001S
Agency :	U.S. Geological Survey
District :	N/R
State :	CA
County :	Kern County
Country :	USA
Land Net Location :	NWSWS29 T11N R13W S
Name of Location Map :	MONOLITH, CA
Scale of Location Map :	24000
Altitude of Gage/Land Surface :	3322
Method Altitude Determined :	Interpolated from Digital Elevation Model
Altitude Accuracy :	5.4
Altitude Datum :	North American Vertical Datum of 1988
Hydrologic Unit :	Antelope-Fremont Valleys
Drainage Basin :	N/R
Topographic Setting :	Hillside
Flags for the Type of Data Collected:	NNNNNNNNNNNNNNNNNNNNNNNNNNNNI
Flags for Instruments at Site :	NNNNNNNNNNNNNNNNNNNNNNNNNNNNN
Date of First Construction :	1954-02-06
Date Site Established or Inventoried:	N/R
Drainage Area :	N/R
Contributing Drainage Area :	N/R
Data Reliability :	Data have been checked by the reporting agency.
Data-Other GW Files :	YYYYNYYN
National Aquifer :	Basin and Range basin-fill aquifers
Local Aquifer :	N/R
Local Aquifer Type :	Unconfined single aquifer
Well Depth :	759.1
Hole Depth :	N/R
Source of Depth Data :	S
Project Number :	7479381100
Real-Time Data Flag :	0
Peak-Streamflow Data Begin Date :	N/R
Peak-Streamflow Data End Date :	N/R
Peak-Streamflow Data Count :	0
Water-Quality Data Begin Date :	N/R
Water-Quality Data End Date :	N/R
Water-Quality Data Count :	0
Field Water-Level Measurements Begin Date:	1954-02-06
Field Water-level Measurements End Date:	2022-03-16
Field Water-Level Measurements Count:	135
Site-Visit Data Begin Date :	N/R
Site-Visit Data End Date :	N/R
Site-Visit Data Count :	0
Latitude :	35.015249
Longitude :	-118.291468
Last Date in Agency List :	2022-05-19

Map Id: 257
Direction: N
Distance: 0.899 mi., 4750 ft.
Elevation: 4329 ft.
Relative: Higher

Site Name : WINDMILL
35.065031, -118.333117
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820596
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-14
Action :	Add
FAA Study Number :	2012WTW05305OE
OBS Number :	06-023113
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04722
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 54.11N
Longitude :	118 19 59.22W

Map Id: 258
Direction: NNE
Distance: 0.901 mi., 4758 ft.
Elevation: 4126 ft.
Relative: Higher

Site Name : N/R
35.0638333, -118.326
CA

Database(s) : [EPICENTERS]

Envirosite ID: 36752365
EPA ID: N/R

EPICENTERS

Updated Date :	2014-11-22
Time :	14:55:50
ID Number :	ci37063479
Status :	N/R
Type :	earthquake
Depth :	3.44
Magnitude :	1.14
Magnitude Type :	Local (ml)
Magnitude Error :	N/R
Magnitude NST :	N/R
Magnitude Source :	N/R
NST :	21
Gap :	63
DMIN :	0.07417
RMS :	0.29
Net :	ci
Horizontal Error :	N/R
Depth Error :	N/R
Location Source :	N/R
Latitude :	35.0638333
Longitude :	-118.326
Last Date in Agency List :	2015-01-14

Map Id: CD259
Direction: WNW
Distance: 0.905 mi., 4780 ft.
Elevation: 4559 ft.
Relative: Higher

Site Name : WINDMILL
35.036242, -118.368294
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816978
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-06-02
Action :	Change
FAA Study Number :	2010WTW16724OE
OBS Number :	06-020981
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04960
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 10.47N
Longitude :	118 22 05.86W

Map Id: 260
Direction: NNW
Distance: 0.909 mi., 4801 ft.
Elevation: 4369 ft.
Relative: Higher

Site Name : WINDMILL
35.061586, -118.361433
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820595
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-10-06
Action :	Add
FAA Study Number :	2010WTW00187OE
OBS Number :	06-021796
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04739
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 41.71N
Longitude :	118 21 41.16W

Map Id: 261
Direction: NE
Distance: 0.914 mi., 4826 ft.
Elevation: 3963 ft.
Relative: Higher

Site Name : WINDMILL
35.056378, -118.309142
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822786
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-13
Action :	Add
FAA Study Number :	2012WTW05323OE
OBS Number :	06-023097
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04387
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 22.96N
Longitude :	118 18 32.91W

Map Id: CG262
Direction: NW
Distance: 0.915 mi., 4831 ft.
Elevation: 4510 ft.
Relative: Higher

Site Name : WINDMILL
35.0525, -118.370161
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820581
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-19
Action :	Change
FAA Study Number :	2010WTW16690OE
OBS Number :	06-021189
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04899
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 09.00N
Longitude :	118 22 12.58W

Map Id: 263
Direction: NNE
Distance: 0.928 mi., 4902 ft.
Elevation: 4047 ft.
Relative: Higher

Site Name : WINDMILL
35.059836, -118.316281
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 818596
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-31
Action :	Change
FAA Study Number :	2013WTW08647OE
OBS Number :	06-023085
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04472
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 35.41N
Longitude :	118 18 58.61W

Map Id: 264
Direction: N
Distance: 0.942 mi., 4974 ft.
Elevation: 4416 ft.
Relative: Higher

Site Name : TOWER
35.065861, -118.339028
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 811954
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-03-14
Action :	Change
FAA Study Number :	2013WTW11148OE
OBS Number :	06-036417
Obstacle Type :	TOWER
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Medium Intensity White Strobe & Red
Verification Status :	Verified
Quantity :	1
Mark Indicator :	None
Above Ground Level Height (Feet) :	00263
Above Mean Sea Level Height (Feet) :	04670
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 57.10N
Longitude :	118 20 20.50W

Map Id: CF265
Direction: ESE
Distance: 0.944 mi., 4987 ft.
Elevation: 3290 ft.
Relative: Lower

Site Name : WINDMILL
35.007486, -118.303078
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816940
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-03-16
Action :	Add
FAA Study Number :	2010WTW16316OE
OBS Number :	06-021287
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03704
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 00 26.95N
Longitude :	118 18 11.08W

Map Id: CE266
Direction: ENE
Distance: 0.949 mi., 5013 ft.
Elevation: 3502 ft.
Relative: Lower

Site Name : WINDMILL
35.035944, -118.288344
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 822775
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-18
Action :	Add
FAA Study Number :	2010WTW16834OE
OBS Number :	06-021389
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	Synchronized Red Lighting
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	03908
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 02 09.40N
Longitude :	118 17 18.04W

Map Id: 267
Direction: N
Distance: 0.956 mi., 5049 ft.
Elevation: 4287 ft.
Relative: Higher

Site Name : WINDMILL
35.065489, -118.33115
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 815886
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2012-08-14
Action :	Add
FAA Study Number :	2012WTW05306OE
OBS Number :	06-023114
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04708
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 55.76N
Longitude :	118 19 52.14W

Map Id: 268
Direction: NW
Distance: 0.963 mi., 5083 ft.
Elevation: 4446 ft.
Relative: Higher

Site Name : WINDMILL
35.051375, -118.371275
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 816456
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-05-16
Action :	Change
FAA Study Number :	2010WTW16689OE
OBS Number :	06-021188
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00389
Above Mean Sea Level Height (Feet) :	04847
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 04.95N
Longitude :	118 22 16.59W

Map Id: 269
Direction: NNW
Distance: 0.976 mi., 5152 ft.
Elevation: 4364 ft.
Relative: Higher

Site Name : WINDMILL
35.062944, -118.360711
TEHACHAPI, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820723
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2011-10-05
Action :	Add
FAA Study Number :	2010WTW00188OE
OBS Number :	06-021805
Obstacle Type :	WINDMILL
City Name :	TEHACHAPI
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00355
Above Mean Sea Level Height (Feet) :	04726
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 46.60N
Longitude :	118 21 38.56W

Map Id: 270
Direction: NNE
Distance: 0.989 mi., 5220 ft.
Elevation: 4323 ft.
Relative: Higher

Site Name : WINDMILL
35.065797, -118.329181
MOJAVE, CA

Database(s) : [DIGITAL OBSTACLE]

Envirosite ID: 820728
EPA ID: N/R

DIGITAL OBSTACLE

Date of Action :	2014-01-30
Action :	Change
FAA Study Number :	2013WTW08644OE
OBS Number :	06-023115
Obstacle Type :	WINDMILL
City Name :	MOJAVE
State Identifier :	CA
Country Identifier :	USA
Type of Lighting :	None
Verification Status :	Verified
Quantity :	1
Mark Indicator :	White Paint Only
Above Ground Level Height (Feet) :	00410
Above Mean Sea Level Height (Feet) :	04710
Horizontal Accuracy :	+-500'
Vertical Accuracy :	+-125'
Latitude :	35 03 56.87N
Longitude :	118 19 45.05W

RADON DATA:

STATE SOURCE: CA

Radon Test Results:

Zip:	Total Sites:	Cnt >=4 pCi/L:	Pct >= 4 pCi/L:	Max Result (pCi/L):
93501	7	1	14.286	4.4

FEDERAL AREA RADON INFORMATION FOR: No Available Data

NUMBER OF SAMPLE SITES: No Available Data

FEDERAL EPA RADON ZONE FOR KERN COUNTY: Zone = 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 < 2 pCI/L

HIST PWS ENF
Historical Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
List of Safe Drinking Water Information Systems (SDWIS) with enforcement violations that are no longer in current agency list.

NWIS
National Water Information Systems
United States Geological Society
(703) 648-5953
Information on all water resources for the United States. This database contains all current and historical data for the nation.

PWS
Public Water Supply
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems

PWS ENF
Public Water Supply locations with Enforcement Violations
Environmental Protection Agency
(800) 426-4791
Safe drinking water information Systems with enforcememnt violations

WELLS - GAMA - CA
California Groundwater Ambient Monitoring Assessment
State Water Resources Control Board
916-341-5791
Brings together datasets from California state agencies including: Public Health Water Resources and Pesticide Regulation as well as from the US Geological Survey Lawrence Livermore National Laboratory and the Water Boards. It shows results for untreated raw water in different types of wells for naturally-occurring and man-made chemicals.

FLOOD Q3
Flood data
Environmental Protection Agency
(202) 566-1667
Q3 Flood Data

HYDROLOGIC UNIT
Hydrologic Unit Maps
USGS
The United States Geological Survey created a hierarchical system of hydrologic units originally called regions, sub-regions, accounting units, and cataloging units. Each unit was assigned a unique Hydrologic Unit Code (HUC). As first implemented the system had 21 regions, 221 subregions, 378 accounting units, and 2,264 cataloging units. Over time the system was changed and expanded. As of 2010 there are six levels in the hierarchy, represented by hydrologic unit codes from 2 to 12 digits long, called regions, subregions, basins, subbasins, watersheds, and subwatersheds. The table below describes the system's hydrologic unit levels and their characteristics, along with example names and codes.

WETLANDS NWI
National Wetland Inventory
U.S. Fish and Wildlife Service
(703) 358-2171
Wetland Inventory for the United States

SSURGO
Detailed Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
Detailed Soil Data Map

STATSGO & MUI
General Soil Data Map
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
General Soil Data Map

USGS GEOLOGIC AGE
USGS Digital Data Series DDS
Natural Resources Conservation Service: U.S. Department of Agriculture
(202) 690-4985
USGS Digital Data Series DDS: Geologic Age and Rock Stratigraphic Unit

DAMS - CA
California Dam Inundation Maps
Department of Water Resources
916-845-8275
Dam inundation maps show the maximum extent of damage of a flood wave from a dam failure

OIL & GAS WELLS - CA
Oil and Gas Well Data
State of California Department of Conservation
916-327-1042
Oil and gas well locations and detail for all 6 districts

RADON
National Radon Database
U.S. Environmental Protection Agency
215-814-2469
A study of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

RADON - CA
Radon tested locations in California
California Department of Health Services
(916) 449-5674
A table of long term and short term indoor radon measurments

RADON EPA
RADON EPA
U.S. Environmental Protection Agency
215-814-2469
EPA list of Radon zones

AIRPORT FACILITIES
Airport landing facilities
Federal Aviation Administration
(866) 835-5322
Airport landing facilities

BASINS
Better Assessment Science Integrating point & Non-point Sources
U.S. Environmental Protection Agency
855-246-3642
Integrated geographical information system national watershed data and environmental assessment known as Better Assessment Science Integrating point & Non-point Sources

DIGITAL OBSTACLE
Obstacles of interest to aviation users
Federal Aviation Administration
855-379-6518
The Digital Obstacle File describes all known obstacles of interest to aviation users in the U.S. with limited coverage of the Pacific the Caribbean Canada and Mexico. The obstacles are assigned unique numerical identifiers; accuracy codes and listed in order of ascending latitude within each state or area by FAA Region.

EPICENTERS
National Geographical Data Center
National Geographical Data Center
303-497-6826
List of recent and historic earthquakes and information.

FLOOD DFIRM
National Flood Hazard Layer Database
Federal Emergency Management Agency
The National Flood Hazard Layer Database (NFHL) is a computer database that contains the flood hazard map information from FEMAs Flood Map Modernization program. These map data are from Digital Flood Insurance Rate Map (DFIRM) databases and Letters of Map Revision.

Appendix I
Hydrology and Water Quality Studies

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Appendix I.1

Water Supply Assessment
Mojave Life of Mine
Reclamation Plan Amendment Project

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SESPE CONSULTING, INC.

374 Poli Street, Suite 200 • Ventura, California 93001

WATER SUPPLY ASSESSMENT

MOJAVE LIFE OF MINE
RECLAMATION PLAN AMENDMENT PROJECT

CalPortland Company
Kern County, California

June 2025

Prepared for:

CalPortland Company
2025 E. Financial Way
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(626) 852-6200

Prepared by:

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SESPE
CONSULTING, INC.

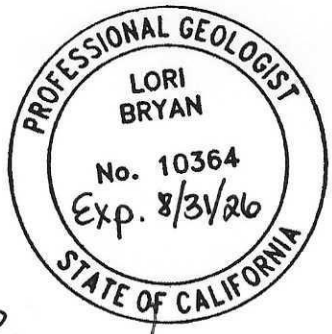
374 Poli Street, Suite 200 • Ventura, California 93001

WATER SUPPLY ASSESSMENT

MOJAVE LIFE OF MINE RECLAMATION PLAN AMENDMENT PROJECT
STATE OF CALIFORNIA MINE ID NO. 91-15-0032

CalPortland Company
Kern County, California

June 2025



Lori Bryan, P.G.
Project Geologist
Sespe Consulting, Inc.

SESPE CONSULTING, INC.

374 Poli Street, Suite 200 • Ventura, California 93001

Water Supply Assessment
Mojave Life of Mine Reclamation Plan Amendment Project
CalPortland Company

June 2025

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FIGURES

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APPENDICES

A. Updated Hydrogeologic Report for Mojave Plant (Kenneth D. Schmidt & Associates, 2009)
B. Water Supply Well Completion Reports (California DWR, accessed 2024)

SESPE CONSULTING, INC.

374 Poli Street, Suite 200 • Ventura, California 93001

WATER SUPPLY ASSESSMENT

CalPortland Company
Mojave Mine Life Extension Project

June 2025

1.0 EXECUTIVE SUMMARY

The CalPortland Company operates a vested limestone mining and processing operation, along with a cement manufacturing facility in Mojave, Kern County, California (the Facility). As part of the Facility's entitlements, CalPortland Company (CalPortland, or the Company) has a Reclamation Plan that was approved in 1979, which describes the reclamation activities and performance standards for the site. The Company is proposing to amend the Reclamation Plan to cover mined lands associated with limestone reserves that are presently outside of the Reclamation Plan boundary, but within the vested mining area (the Project).

This Water Supply Assessment (WSA) has been prepared in accordance with California Water Code Sections 10910 through 10915, as amended by Senate Bill (SB) 610, in support of Kern County's (County) environmental review of the Project under the California Environmental Quality Act (CEQA). The purpose of this WSA is to assess whether sufficient water supplies are available to meet the Project's projected water demand over a 20-year planning horizon, based on the anticipated needs of reclamation activities identified in the Reclamation Plan Amendment. In accordance with SB 610 requirements, this WSA describes the existing water sources, characterizes the groundwater basins from which water will be drawn, evaluates historical production, and estimates future demand. The WSA also documents that the proposed water sources are sufficient to meet the Project's demand, considering normal, single-dry, and multiple-dry year conditions during the planning period.

2.0 INTRODUCTION

2.1 Project Background

This Water Supply Assessment (WSA) technical report has been prepared for the CalPortland Company's (hereinafter CalPortland, or the Company) Life of Mine Reclamation Plan Amendment (hereinafter the Project) in support of Kern County's environmental review of the Project, as required by California Environmental Quality Act (CEQA). This WSA follows the requirements of California Water Code § 10910, and provides the required information pursuant to California Senate Bill 610, as described in the *Guidebook for Implementation of Senate Bill 610 and Senate Bill 221 of 2001 to Assist Water Suppliers, Cities, and Counties in Integrating Water and Land Use Planning* (Department of Water Resources, 2003).

The Project seeks to amend the current 1979 Reclamation Plan for CalPortland's Facility. Specifically, the Project would amend the 1979 Reclamation Plan to include reclamation of limestone reserves located outside the currently approved 1979 Reclamation Plan boundaries, but within the Facilities recognized vested area, as determined by Kern County. As required by the Surface Mining and Reclamation Act (SMARA), the Reclamation Plan Amendment (RPA) would also update the reclamation standards applicable to the Facility to SMARA's current, modern requirements. These current reclamation requirements are set out in SMARA Section 2772.1 and Articles 1 and 9 of the SMARA Regulations (codified at Section 3500 et seq. of title 14 of the California Code of Regulations).

The Project does not propose any change to the Company's existing production levels, mining systems or processes, or ultimate throughput from the Company's cement production facility. The RPA is necessary to allow the Company to complete reclamation of mineral recovery activities throughout the vested Facility. Accordingly, this WSA evaluates the Project's impacts with respect to performing the reclamation activities identified in the RPA over the vested area, which allows for mining, materials stockpiling and processing.

The Project site is located approximately 6 miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in Kern County, California (Figure 1). It is located on the United States Geological Survey (USGS) Monolith and Willow Springs 7.5-minute topographic quadrangles in all or portions of Sections 13 through 15, 23 through 28, 33, and 34 Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M); and portions of Sections 19 and 30, Township 11 North, Range 13 West (T11N, R13W) SBB&M.

The principal water resource, specifically groundwater produced from five (5) of the six (6) wells located near the existing quarry (Figure 2), will be used to achieve reclamation of the site. Among these wells, two (2) (Quarry Well R4-WE2 and Quarry Well R4-WE2) are located within the Project boundary, while the remaining wells (Well 6, Solar Well B9, and Big Meadow 5) are located outside the boundary. Well 6 is part of a permitted public water supply system and serves the Facility's potable water needs; it is not used to support mining, reclamation, or cement production activities, and therefore is not considered a supply source for the Project. These existing wells have been providing water to the Mojave Mine operations over multiple decades. This groundwater resource is used to support ongoing mining and reclamation activities, as well as for the production of cement.

2.2 Regulatory Context

The California Water Code § 10912(a) requires preparation of a WSA if a proposed project meets any of

the following criteria:

1. A proposed residential development of more than 500 dwelling units;
2. A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 square feet of floor space;
3. A proposed commercial office building employing more than 1,000 persons or having more than 250,000 square feet of floor space;
4. A proposed hotel or motel, or both, having more than 500 rooms;
5. A proposed industrial, manufacturing, or processing plant, or industrial park planned to house more than 1,000 persons, occupying more than 40 acres of land, or having more than 650,000 square feet of floor area;
6. A mixed-use project that includes one or more of the projects defined above; or
7. A project that would demand an amount of water equivalent to, or greater than, the amount of water required by a 500-dwelling unit project.

The Project does not include any residential development, will not employ more than 1,000 persons, does not include any structures with more than 500,000 square feet of floor space, and does not include any hotel or motel structure. Given that the Project involves reclamation of mined lands associated with a vested industrial mining operation and exceeds the size threshold for industrial projects set forth in Water Code § 10912(a)(5), it constitutes a "project" for which preparation of a WSA is required under the California Water Code.

Additionally, under the California Water Code statute as revised, in addition to all the previously existing requirements for WSAs, if the proposed Project's water supply includes groundwater, the WSA must now also include the following as part of its informational content:

- A description of the groundwater basin(s) that will supply the project; for court- or SWRCB-adjudicated basins;
- A copy of the order or decree determining legal pumping rights;
- For unadjudicated basins designated as high- or medium-priority pursuant to the Sustainable Groundwater Management Act (SGMA), identify the following:
    - Whether the California Department of Water Resources (DWR) has identified the basin as being subject to critical conditions of overdraft;
    - Whether a groundwater sustainability agency (GSA) has adopted a Groundwater Sustainability Plan (GSP) or approved alternative; and
    - If so, a copy of the same (Water Code, § 10910(f)(2)(A)-(C)).
- For unadjudicated basins designated low- or very low-priority pursuant to SGMA, the WSA must also now describe the basin(s), but the preexisting substantive content requirements for WSAs with respect to such basins otherwise remain the same.

Finally, Senate Bill (SB) 1262 adds subdivision (i) to Water Code § 10910 stating: "For the purposes of this section [i.e., for purposes of satisfying requirements for WSAs] hauled water is not considered as a source of water" (Water Code, § 10910(i)).

Because the Project proposes to rely on groundwater as its water supply source, the WSA must include information about the classification and management status of the underlying groundwater basins, as specified in California Water Code § 10910(f). Basin prioritization is used by the DWR to determine the level of SGMA oversight for each basin. The Project area overlies portions of the Fremont Valley and Antelope Valley Groundwater Basins. Both are classified as low- or very low-priority basins under SGMA, meaning they are not currently required to prepare a GSP. However, the Antelope Valley Groundwater Basin (AVGB) is also an adjudicated basin, subject to SGMA reporting requirements under Water Code § 10720.8. As such, while GSP-related objectives do not apply to this WSA, annual watermaster reporting for the adjudicated AVGB remains relevant and has been reviewed as part of the groundwater sufficiency discussion in Section 3.4.1.

In preparing this technical memorandum, Sespe has reviewed and incorporated information from multiple sources, including an engineering water supply assessment prepared by Provost & Pritchard (2018), which was previously submitted for the Mojave Mine Life Extension Project and accepted by Kern County in 2019. Additional data on the Project site's hydrogeologic setting are informed by a hydrogeological study prepared by Schmidt (2009), included as Appendix A, along with other regional and site-specific studies cited throughout this WSA.

3.0 EXISTING SETTING

3.1 Physiography

The Project area is located in the Mojave Desert on the southeastern edge of the Tehachapi Mountains between the City of Tehachapi and unincorporated community of Mojave, California. The Mojave Desert comprises the southwestern quadrant of the Basin and Range physiographic province. It is characterized by extreme variations in daily temperatures and more arid conditions than other American desert regions (USGS, 2004). Freezing temperatures occur during the winter, particularly in higher elevation regions. Summers tend to be hot, dry, and windy. Elevations in the surrounding area of the Project range from 3,420 to 6,085 feet above mean sea level (amsl).

3.2 Climate

Average temperature and precipitation data presented in this section are based on information from the California Irrigation Management Information System (CIMIS) Station #125, Arvin-Edison (2001–2014), as cited in Provost & Pritchard (2018). The Project is situated in an area consistent with a warm Mediterranean-style climate, characterized by dry summers and mild winter conditions. In this part of the Mojave Desert, temperatures during the summer months often exceed 100 degrees Fahrenheit (F) with winter temperatures usually above freezing. Average annual precipitation is 7.4 inches, with most rainfall occurring during winter months (California Irrigation Management Information System [CIMIS] Station #125, as cited in Provost & Pritchard, 2018). The highest historic precipitation totals are during January, with the majority of precipitation annually occurring between November and May. Precipitation is rare during the summer and usually associated with infrequent storms. Prevailing winds generally occur from the northwest and typically less than 10 miles per hour. Occasionally high-pressure conditions in the Mojave Desert Region can result in stronger winds.

3.3 Regional Geologic Framework

Geology in the Project area is mapped as Paleozoic-age limestone and schist of the Bean Canyon series (Troxel & Morton, 1962), Mesozoic-age granitic rock (quartz monzonite), Miocene-age felsite dikes, and

Quaternary-age alluvium (Dibblee, 1963; Dibblee and Louke, 1970). Limestone in the Project site area ranges from coarsely crystalline white and grayish white to finer-grained massive to banded, blue-gray to white. Some of the limestone contains more than 54 percent calcium oxide (Troxel & Morton, 1962). The limestone is bordered by quartz monzonite and related granitic rocks that form bold relief as strike ridges or as ovoid, isolated knobs. Granitic dikes penetrate the limestone bodies in many places and commonly the bodies are thoroughly shattered. The limestone strata strike northeast and in most places dip between 60 and 80 degrees southeast.

3.4 Area Hydrogeology and Groundwater Basins

Figure 3 attached shows the Project area in relation to jurisdictional groundwater basins. While most of the Project area lies outside of recognized groundwater basins, a portion of the Fremont Valley Groundwater Basin extends to the west of the current east mining pit and plat site. There is also a portion of the Antelope Valley Groundwater Basin that overlaps with part of the Project area south and west of the plant site. These two groundwater basins form part of the South Lahontan Hydrologic Region (DWR, 2004, 2018). The following discussion regarding these groundwater basins is taken from the Department of Water Resources Bulletin 118 (2004).

Using groundwater reliance as the leading indicator of basin priority, DWR evaluated California's 515 groundwater basins and categorized them into four (4) prioritization groups: high, medium, low, and very low. Although the primary intent of basin prioritization is to assist DWR in implementing the CASGEM Program, it is particularly important when evaluating a Project's impacts under CEQA. Of the basin prioritization, the Antelope Valley Groundwater Basin is defined as a very low priority basin and Fremont Valley as low priority (Department of Water Resources, 2015).

3.4.1 Antelope Valley Groundwater Basin

The Project area lies within the northwestern margin of the Antelope Valley Groundwater Basin, an adjudicated basin that extends over the western Mojave Desert Region. According to the current SGMA Data Viewer portal, the basin is ranked as a very low priority basin.

The Antelope Valley Groundwater Basin covers approximately 1.01 million surface acres and underlies an extensive alluvial valley in the western Mojave Desert. The basin is bounded on the east by ridges, buttes, and low hills that form a surface and groundwater drainage divide and on the north by Fremont Valley Groundwater Basin at a groundwater divide approximated by a southeastward-trending line from the mouth of Oak Creek through Middle Butte to exposed bedrock near Mojave Mine, and by the Rand Mountains farther east. Elevations of the alluvial valley range from about 2,300- to 3,500-feet amsl. The basin is bounded by the Garlock fault zone and the Tehachapi Mountains to the northwest, and the San Andreas Fault zone and the San Gabriel Mountains to the southwest. In addition to the Garlock and San Andreas Fault zones, numerous other faults within the basin impede groundwater flow (Bloyd, 1967) (Durbin, 1978) (Carlson, Leighton, Phillips, & Metzger, 1998). Bloyd (1967) described eight groundwater subunits in this basin bounded, in part, by faults that displace the water table. The Randsburg-Mojave, Cottonwood, Willow Springs, Rosamond, and Neenach faults displace the water table in the western part of the basin (Bloyd, 1967) (Dibblee, 1963) (Durbin, 1978) (Londquist, Rewis, Galloway, & McCaffrey, 1993), as does an unnamed fault in the southwestern part of the basin (Bloyd, 1967).

Two primary aquifers are recognized within the: the upper or principal aquifer, and the lower or deep aquifer (Department of Water Resources, 2015). The principal aquifer is unconfined and generally thickest in the southern portion of the valley. The deep aquifer is confined and thickest near the dry lakes in the

northeastern portion of the valley (Department of Water Resources, 2003). The primary water-bearing materials consist of Pleistocene- to Holocene-age alluvial deposits, floodplain deposits, and lacustrine deposits that contain coarse gravels near the mountain fronts and become finer-grained toward the central portion of the valley (Department of Water Resources, 2015). Annual rainfall typically ranges from 5 to 10 inches.

Based on the work of DWR (2015), recharge to the principal aquifer occurs by percolation of perennial streamflow into the alluvial fans at the base of the surrounding mountains. In addition to natural recharge, the principal aquifer is artificially recharged through placing water into aquifer storage and recovery wells (Department of Water Resources, 2015). The Big Rock and Little Rock Creeks, in the southern part of the basin, contribute about 80 percent of runoff into the basin (Durbin, 1978). Additionally, irrigation from agriculture and possible leakage from canals may also contribute to recharge. The total storage capacity has been reported at 68 to 70 million acre-feet (Department of Water Resources, 1975) (Planert & Williams, 1995).

From 1975 through 1998, groundwater level changes ranged from an increase of 84 feet to a decrease of 66 feet (Carlson, Leighton, Phillips, & Metzger, 1998). The parts of the basin with declining water levels are along the Highway 14 corridor from Palmdale through Lancaster to Rosamond and surrounding Rogers Lake on Edwards Air Force Base (Carlson, Leighton, Phillips, & Metzger, 1998). Historically, groundwater in the basin flowed north from the San Gabriel Mountains and south and east from the Tehachapi Mountains toward Rosamond Lake, Rogers Lake, and Buckhorn Lake. These dry lakes are places where groundwater can discharge by evaporation. Because of recent groundwater pumping, groundwater levels and flow have been altered in urban areas such as Lancaster and Edwards Air Force Base. Groundwater pumping has caused subsidence of the ground surface as well as earth fissures to appear in Lancaster and on Edwards Air Force Base. By 1992, 292 square miles of Antelope Valley had subsided more than one (1) foot. This subsidence has permanently reduced aquifer-system storage by about 50,000 acre-feet (Sneed and Galloway 2000; Ikehara and Phillips 1994).

The AVGB is an adjudicated basin that has been determined to be in a condition of overdraft, where groundwater withdrawals exceed the defined total safe yield established by the Los Angeles County Superior Court in 2011. The court identified a basin-wide safe yield of 110,000 acre-feet per year. This yield equates to a maximum sustainable withdrawal of 0.18 acre-feet per acre per year when applied across the approximately 600,000-acre adjudicated portion of the basin. However, the adjudication Judgement and the 2023 AVGB Watermaster Annual Report, state a native safe yield for AVGB of 82,300 acre-feet per year, which excludes consideration of imported water return flows. Based on the native safe yield, this equates to 0.14 acre-feet per acre per year when applied across the 600,000-acre adjudicated portion of the basin.

Using the 0.18 acre-feet per-acre per year value, Provost & Pritchard (2018) estimated a theoretical maximum withdrawal of 720 acre-feet per year if applied to the full 4,000-acre Project area. However, only approximately 800 acres of the Project area overlie the AVGB. As a conservative measure, Sespe has calculated a theoretical maximum withdrawal based on the native safe yield, which is consistent with the methodology applied in Provost & Pritchard (2018). Accordingly, the maximum withdrawal applicable to the Project under the judgment would be approximately 110 acre-feet per year. When considering the estimated withdrawal rate, it is important to clarify that although Quarry Well R4-WE1 and Quarry Well R4-WE2 are located within the mapped boundary of the AVGB, these wells are screened exclusively in fractured bedrock—not in the alluvial aquifer subject to adjudication. As such, any indirect effect on the

AVGB would be negligible, when considering the hydraulic characteristics of the fracture flow system. A detailed evaluation of groundwater withdrawals and aquifer storage is provided in Section 6.3, *Aquifer Impact Evaluation*.

3.4.2 Fremont Valley Groundwater Basin

The Fremont Valley Groundwater Basin underlies about 335,000 acres in Fremont Valley, which is adjacent to the north of Antelope Valley. It is ranked as a low priority basin, based on the current listing in the SGMA Data Viewer portal. The basin is bounded on the northwest by the Garlock fault zone against impermeable crystalline rocks of the El Paso Mountains and the Sierra Nevada. This basin is bounded on the east by crystalline rocks of the Summit Range, Red Mountain, Lava Mountains, Rand Mountains, Castle Butte, Bissel Hills, and Rosamond Hills. The basin is bounded on the southwest by the Antelope Valley Groundwater Basin along a groundwater divide approximated by a line connecting the mouth of Oak Creek through Middle Butte to exposed basement rock near Gem Hill.

Average annual rainfall in the Fremont Valley ranges from 4 to 12 inches. Surface water in Fremont Valley drains toward Koehn (dry) Lake; however, surface drainage overlying the southwestern-most part of the basin is southward toward the town of Rosamond.

Both Quaternary alluvium and lacustrine deposits are water-bearing; however, the alluvium is the most important water-bearing material in the basin (Department of Water Resources, 1969). The alluvium is about 1,190 feet thick (Bader 1969; DWR 1964) along the margin of the basin and thins toward the middle of the basin, where it is interbedded with thick layers of lacustrine silt and clay near Koehn Lake. Groundwater in the alluvium is generally unconfined, although locally confined conditions occur near Koehn Lake (Department of Water Resources, 1964). Average well yield is about 530 gallons per minute (gpm) with a maximum yield of 2,580 gpm (Department of Water Resources, 1975).

The Garlock and El Paso fault zones, which extend along the foothills of the Sierra Nevada and El Paso Mountains, form restrictive groundwater barriers on the west and northwest sides of the basin (Dibblee, 1967). The Cantil Valley fault traverses the northeast part of the basin, but its effect on groundwater is not known. The Muroc fault traverses the central part of the basin and forms a partial barrier to groundwater flow with recent studies showing distinct groundwater elevations north and south of the fault (Woodward & Curran, 2018) (Department of Water Resources, 1964).

Natural recharge of the basin includes percolation of ephemeral streams that flow from the Sierra Nevada. The general groundwater flow direction is toward Koehn Lake at the center of the valley (Bader 1969; DWR 1964). There is no appreciable quantity of groundwater flowing out of the basin (Bader, 1969).
In the southwestern part of the basin, groundwater flows from near Oak Creek northward toward the town of Mojave and continues under the surface drainage divide toward Koehn Lake. Elsewhere in FVGB, groundwater flows toward Koehn Lake. A simple, spreadsheet-based groundwater balance model estimates 13,800 acre-feet per year of groundwater recharge (Woodward & Curran, 2018). The total storage capacity of the basin is calculated to be 4,800,000 acre-feet (Department of Water Resources, 1975).

3.5 Project Area Groundwater Conditions

Because the Project area is located at the Tehachapi Mountain-alluvial basin transition, groundwater conditions are likely to be variable. Within the crystalline rock underlying much of the site, groundwater is expected to move principally through fracture flow. In contrast, in the alluvial aquifer immediately to

the east, homogenous groundwater conditions are likely predominant. Although groundwater depths and flow directions are typically controlled by fracture orientation, void space, interconnectivity and other factors, and thus can differ significantly both spatially and at depth, groundwater in the alluvial basin generally flows southeasterly (Duell, 1987). A study prepared by Ken Schmidt and Associates (2009) determined that groundwater flow moves southeasterly on the west side of the plant site and more easterly to the east of the plant.

Based on a review of publicly available well completion reports for wells within the Project vicinity, as anticipated depths to groundwater range vary considerably. For example, data provided for wells located within the Project area record static water levels as shallow as 12-feet below ground surface (bgs), and as deep as 294-feet (SGMA Data Viewer Online Portal). Moreover, according to the study prepared by Kenneth Schmidt and Associates (2009) (included as Appendix A), consistent with the well completion records reviewed, reported groundwater depths in nearby monitoring wells ranged in depth between 36- and 344-feet bgs (3520-3212-feet amsl). For comparison, Golder (2020) observed groundwater seepage at a depth of approximately 400-feet bgs (3,400-feet amsl) in the main pit west of the plant site.

As previously described, groundwater wells in the vicinity of the Project span the boundaries of the Fremont and Antelope Valley Groundwater Basins. Potable Water Well #6, Solar Well B-9, and Solar Well B-2 are situated along the margin of the southwestern boundary of the FVGB. The Big Meadow Well is also situated within the southwestern region of the FVGB near Oak Creek and the Garlock Fault. Based on the well completion reports (provided in Appendix B), these four (4) wells in the FVGB are completed in alluvium. Groundwater elevations were measured at a subset of the wells located in the AVGB on October 1, 2024, by Sespe. The groundwater elevation at Well #6 was 2.7 feet-bgs (4290 feet-amsl), at the Solar Well B9 the groundwater elevation was 9.75 feet-bgs (3841 feet-amsl), and at the Big Meadow Well it was 26.8 feet-bgs (3713 feet-amsl). However, Well 6 is a part of a permitted public water supply system and does not supply water for production. Quarry Well R4-WE1 and Quarry Well R4-WE2 are situated at the northwestern boundary of the AVGB. While the AVGB is characterized as an alluvial aquifer (DWR, 2004), the well completion reports for the Quarry Well R4-WE1 and Quarry Well R4-WE2 indicates that the wells are completed in fractured bedrock, where groundwater conditions are controlled by fracture density and orientation, void space, interconnectivity and other factors. As such, the Quarry Well R4-WE1 and Quarry Well R4-WE2 are not considered part of the AVGB's managed alluvial water bearing system. It should be noted that Table 6-1 presents historical depth-to-water values based on available well completion reports and other reference documents, in order to maintain consistency with the data, sources used throughout this WSA. Ground surface elevations were estimated using USGS 1/3 arc-second digital elevation models and may be subject to uncertainty. As such, static water elevations provided in Table 6-1 should be considered approximate. Groundwater levels are expressed in both feet below ground surface (bgs) and feet above mean sea level (amsl). Further discussion is provided in Sections 6.1 through 6.3.

4.0 EXISTING GROUNDWATER CONSUMPTION

As previously discussed, the CalPortland Mojave Mine operations currently source water for mining, reclamation and cement production from six (6) existing groundwater wells. Of these, Quarry Wells R4-WE1 and R4-WE2 are located within the Project property boundary. Potable Water Wells 5 and 6 are located within or directly adjacent to the property boundary and serve the cement plant. The remaining three wells, Big Meadow 5, Solar Well B2, and Solar Well B9, are situated nearby but outside the property boundary and are currently used to support mining and reclamation activities. Well locations are shown in Figure 2.

The current demand, or baseline consumptive use, supplied by five of the six existing wells, supports both extraction and processing, as well as handling of overburden and process waste materials placed and/or stockpiled for site reclamation. Based on well production records for the period October 2019 through September 2024 (corresponding to the 2020–2024 water years), Sespe determined the average annual groundwater production from all six wells to be approximately 225.1 acre-feet. Of this quantity, approximately 77 acre-feet per year is attributed to quarrying activities (including dust suppression), while the remaining 148.1 acre-feet supports cement plant operations, including potable water sourced solely from Well 6.

5.0 PROJECT WATER DEMAND

As noted in Section 4.0 above, the current Mojave Mine operations utilizes approximately 225.1 acre-feet of water per year for both the cement manufacturing and surface mining operations, based on the quantity of water pumped from the existing six (6) groundwater wells serving the Project over the period October 2019 to September 2024. However, only five (5) of these wells supply water for mining and reclamation activities; the sixth well (Well 6) supplies potable water and is not used for mining or reclamation. By comparison, given that the mining and processing operations are vested, the Project considered is an amendment to the Reclamation Plan, which is therefore the basis for establishing the projected water demand. Since the proposed Project is an amendment to the Reclamation Plan, whereby the change with respect to water demand is that the mined lands would be finish contoured where necessary and revegetated, the Project's water demand is that quantity of water that will be required to achieve the reclamation objectives once operations cease.

Upon review of the Project's Revegetation Plan (ELMT, 2021), these activities comprise surface recontouring and revegetation. Once mining and processing is complete, which includes placement of overburden in stockpiles and into select mine pits, final grading and placement of topsoil would begin, followed by revegetation of the mined land surfaces. During the course of these activities, water will be used principally for dust control during grading and conditioning of the replaced topsoil. Presently, the Mojave Mine uses approximately 77 acre-feet of water each year for dust control, which is applied control fugitive dust associated with placement of overburden, controlling fugitive emissions from haul and access roads and working quarry faces. Since the vested operations include handling and placement of overburden into stockpiles and into Pits E and F as part of mining operations, water use associated with reclamation would only be required for final surface recontouring following completion of mining. Revegetation, as proposed in the ELMT (2021) plan, will rely on natural rainfall and passive seeding methods rather than supplemental irrigation. Accordingly, the Project's reclamation water demand constitutes the quantity of water necessary to complete these reclamation activities. Therefore, while placement of the overburden will have been completed, as well as quarrying activities, dust control water for reclamation would be limited to final grading and re-soiling activities, which would be significantly less than the current 79 acre-feet annual water demand for dust control. However, to be conservative here, Sespe assumes the Project would continue to require the full 77-acre feet of water for dust suppression during reclamation. Accordingly, using this conservative assumption, the forecasted water demand for the Project would be about 66% less than the estimated baseline annual water demand of 225.1 acre-feet for the Mojave Mine.

6.0 WATER SUPPLY

6.1 Source and Nature of Supply

The source of water for the Mojave Mine Project will be groundwater extracted from five (5) of the seven (7) existing wells, summarized in Table 6-1. Well completion details for all seven (7) wells are provided in Appendix B. These existing water supply wells serving CalPortland operations have been in service for many years, with well construction dates ranging from 1954 to 2013.

CalPortland provided Sespe with monthly metered groundwater production and consumption data for the period January 2019 through December 2024. The dataset includes well-specific production volumes and categorized site-wide consumption values (e.g., process water, potable water, batch plant use, and water truck distribution). Based on this dataset, Sespe calculated that the average annual groundwater production across all six wells is approximately 73.3 million gallons (225.1 acre-feet). Excluding production from Well 6, which supplies potable water and is not used for mining or reclamation, the remaining five (5) wells yielded an average of approximately 212.1 acre-feet to support mining and reclamation during that same period.

Table 6-1: Water Supply Well Summary

Well Name (Basin)	GSE (ft amsl)	Completion Date	TD (ft)	SI (ft)	SWE[1] (ft amsl)	1st Water (ft bgs)	Max Pump Capacity (gpm)	Annual Production (Acre ft)
PWS Well 6 *(FVGB)*	3874	04/30/54	64	20-64	3854	25	45	13
PWS Well 5 *(FVGB)*	3890	04/11/54	84	30-60	3855	40	—	Backup
[2]R4-WE1 *(AVGB - Bedrock)*	3654	05/22/09	442	180-440	3542	112	100	45.6
[3]R4-WE2 *(AVGB - Bedrock)*	3654	02/09/90	162	62-162	3361	—	23	61.3
Solar Well B2 *(FVGB)*	4462	10/16/81	86.5	46 - 87	4462	Flowing	45	23.8
Solar Well B9 *(FVGB)*	4431	01/19/87	97	61-91	—	—	—	29.1
Big Meadow 5 *(FVGB)*	4942	11/07/13	200	80-170	4942	0	180	52.3

Notes:

- *[1]Ground surface elevations (GSE) for each well were estimated using USGS 1/3 arc-second digital elevation models (DEM) and may not reflect surveyed site-specific benchmarks. Static water elevations (SWE) were calculated by subtracting reported depth to groundwater (in feet below ground surface) from the estimated ground surface*

elevation (in feet above mean sea level). These values are considered approximate due to variability in DEM resolution, well casing installation depths, and lack of consistent datum references in historical well completion reports.

- *[2-3]Quarry Wells collars are located in AVGB but screened in bedrock not alluvium.*
- ***Abbreviations:** TD – Total Drill Depth; SI – Screen Interval; gpm – gallons per minute; PWS – Public Water Supply; IA – Inactive; — Data not available.*
- *SWE (ft bgs) reflects reported depth to water at the time of well completion.*
- *SWE (ft amsl) was calculated as GSE minus SWE (ft bgs).*
- *Well completion logs are provided in Appendix B – Water Supply Well Completion Reports.*

Of these wells, Big Meadow 5, Solar Well B2 and Solar Well B9 are located within the FVGB and are completed in Quaternary-age alluvial deposits, which constitute the primary water-bearing materials of the basin. Quarry Well R4-WE1 and Quarry Well R4-WE2 lie within the mapped boundary of the AVGB but are screened entirely within fractured crystalline bedrock and does not draw from the basin's alluvial aquifer. Well 6 is part of a permitted public water system that serves potable water to the Facility and is not used for mining or reclamation.

6.2 Sufficiency Analysis

In accordance with Govt. Code § 66473.7(a)(2), a sufficient water supply for a project constitutes a total water supply of water available during normal, single-dry and multiple-dry years within a 20-year projected demand period. When considering the sufficiency and certainty of water supply, the analysis must evaluate the water supply under normal, single-dry and multiple dry years. Consideration of normal, single-dry and multiple-dry years is typically included to account for changes water use patterns and recharge. In cases where there exists a period of record for a water supply, these data can be used to assess a project's water demand for the normal, single and multiple dry years.

As designed, the Project will require 77 acre-feet of water per year under normal, single year dry and multiple dry year conditions. This water will be used for dust control and surface application in support of revegetation. Although the Project's water demand would be much less than the current demand, given that mining, stockpiling and material processing would have ceased, to be conservative we assume the annual demand to be equivalent to that quantity used for the current operations. This estimate is based on recent metered water truck usage data provided by CalPortland for the 2020–2024 water years.

The annual 77 acre-feet of water required for the Project will be used primarily to control fugitive emissions during final contouring of the stockpiles and other disturbed areas, re-soiling, and surface application to support revegetation during reclamation activities. Placement of backfill material into Pits E and F will have been completed during mining operations and will not require additional water during reclamation.

For this sufficiency analysis, Sespe evaluated the Project considering only the water available from the five (5) existing groundwater wells that supply water for mining and reclamation. This analysis is conservative in that we assume groundwater is the only assured water supply source. In considering the 20-year project demand period, Sespe referred to the estimated normal, single and multiple year dry period available groundwater quantities determined by Provost & Pritchard (2018), which is 597 acre-feet under normal conditions and an estimated 320 acre-feet during single and multiple dry years. We understand the dry period estimates of available water supply are based on the three (3) driest years on record for the local aquifer (1972 through 1974) according to Provost & Pritchard (2018) study. By comparison with the available water supply under normal, single and multiple dry years, the analysis found that even with an increase of 3.3 acre-feet of water demand during dry years, the available water

supply is sufficient to serve the Project. Under normal water years the annual water supply available from the groundwater wells (597 acre-feet) is more than sufficient to meet the annual Project demand (77 acre-feet), and also during single and multiple dry years (320 acre-feet annual supply in comparison to 80.3 acre-feet demand). Specifically, Provost & Pritchard (2018) defined normal conditions based on the long-term average well production data, while single and multiple dry year conditions were derived from recorded groundwater availability during the driest three-year period on record (1972–1974), which they identified as representative of drought conditions for the Project area. This approach reflects the best available historical data and provides a reasonable basis for evaluating sufficiency in the absence of basin-specific definitions established through a Groundwater Sustainability Plan.

As previously noted, this WSA uses the groundwater supply estimates provided by Provost & Pritchard (2018), which addressed normal, dry, and multiple-dry year conditions based on the driest recorded three-year period (1974–1977). During that time, local well production data indicated that groundwater supply decreased to approximately 320 AF/year in the third consecutive year of drought, as compared to 597 AF/year in normal years. This supply reduction of roughly 46 percent aligns with dry-year surface runoff reductions and dust control demand adjustments documented in the same study. While the annual demand for the current Project (77 AF) remains constant across year types, the dry-year estimates used in this sufficiency analysis are further supported by precipitation benchmarks documented in the 2023 Antelope Valley Watermaster Report, which identifies 2012 (2.9 inches) as a representative dry year and confirms that recent wet years (e.g., 2023) have exceeded long-term averages. These comparisons reinforce that the 1972–1974 reference period used by Provost & Pritchard remains representative of multiple-dry year conditions.

6.3 Aquifer Impact Evaluation

As shown on Figure 2, all groundwater wells associated with the Project, Big Meadow 5, Solar Well B9, Solar Well B2, Well 6, Quarry Well R4-WE1 and Quarry Well R4-WE2, are located within mapped boundaries of the either the Fremont Valley or Antelope Valley Groundwater Basins, near the respective basin edges. As previously discussed, Well 6, is part of a permitted public water system that serves potable water needs and is not used to support mining or reclamation activities; therefore, it is excluded from this evaluation.

Of the five (5) wells supplying the Project, three (3) (Big Meadow 5, Solar Well B2, and Solar Well B9) are located within the FVGB. Based on aquifer storage estimates and the reported annual pumping volumes for the five-year period of record (October 2019 to September 2024), these wells account for a combined withdrawal of 165.1 acre-feet per year. The FVGB is unadjudicated and has an estimated aquifer storage capacity of approximately 4,800,000 acre-feet (DWR, 1975), indicating a negligible impact from this level of withdrawal.

Quarry Well R4-WE1 and R4-WE2 are located within the mapped boundary of the AVGB; however, well completion records confirm that both are screened entirely within fractured bedrock, not within the alluvial aquifer materials that define the basin under Bulletin 118. The average combined annual withdrawal from these wells are approximately 47.0 acre-feet, and maximum combined annual withdraw over the 5-year period of record was 87 acre-feet which is considerably less than the estimated maximum allowable withdrawal of 110 acre-feet per year, calculated by applying the adjudicated native safe yield of 0.14 acre-feet per acre per year to the roughly 800 acres of the Project area that overlie the AVGB. Furthermore, this average annual withdrawal represents just 0.00007 percent of the basin's total storage capacity, estimated between 68 and 70 million acre-feet (DWR, 1975; Planert & Williams, 1995).

Given the small scale of projected use relative to the available aquifer storage and the location and construction of the wells, the Project would not substantially deplete groundwater supplies or interfere with sustainable groundwater management within the Fremont Valley or Antelope Valley Groundwater Basins.

7.0 CONCLUSIONS

Sespe has performed this WSA to provide technical context in support of Kern County's environmental review of the CalPortland Mojave Mine Project. The scope of this WSA provides the pertinent background and analysis required to prepare a CEQA impact determination with respect to the Project's effects on the groundwater planned as a water supply source. Based on the analysis included in this WSA, Sespe provides the following conclusions:

- The effect of continued pumping of the existing groundwater wells for the Project would be insignificant, when comparing the aquifer capacities of the Antelope Valley and Fremont Valley Groundwater Basins. Given that both the groundwater basins are ranked as low priority basins, as defined under the SGMA, and there would not be substantial depletion of available groundwater supplies, the Project would have a less than significant impact with respect to a sustainable groundwater management plan adopted pursuant to SGMA.
- To evaluate whether the forecasted water demand could be supplied by the underlying aquifer, Sespe conducted a sufficiency analysis using groundwater supply thresholds established in Provost & Pritchard (2018), and current demand estimates based on CalPortland's 2020–2024 metered water use data. The certainty of supply was evaluated under normal, single-dry and multiple dry-years, using 77 acre-feet projected demand for normal water years and 80.3 acre-feet for single and multiple dry years. Based on the assessment provided by Provost & Pritchard (2018) and as updated by Sespe, the sufficiency analysis concluded that the existing five (5) groundwater wells (comprising two (2) onsite wells and three (3) nearby offsite wells) have excess capacity to meet the Project water demand under normal, single and multiple dry years. Thus, the Project's onsite groundwater supply is adequate to meet the projected water demand.
- The existing wells that would be used to provide water for the Project are located within Antelope Valley or FVGB Boundaries. Of which, three (3) groundwater wells are located in the unadjudicated FVGB and have a combined withdrawal of approximately 165.1 acre-feet per year, which is considered negligible with respects to the total aquifer storage capacity in the Basin. Two (2) of the five (5) wells used to provide water for the Project, while located in the AVGB boundary, these wells withdraw approximately 47 acre-feet per year from the fracture flow system rather than the alluvial aquifer that is subject to the adjudication of the groundwater basin. Notwithstanding, Sespe conservatively assumed the groundwater capture zone could extend into the jurisdictional units of the Basin. Even under this scenario, the annual withdrawal sourced from the production wells was determined to have an insignificant effect with respect to total aquifer yield based on the safe yield determination for this basin.

This WSA provides the requisite information regarding the availability and reliability of the Project's existing water supply and the consistency of its use with applicable water resource planning documents. Specifically, the WSA evaluates whether the reclamation permit amendment Project would:

1. Violate any water quality standards or waste discharge requirements, or otherwise substantially degrade surface or groundwater quality;
2. Deplete groundwater supplies or interfere with groundwater recharge, resulting in an adverse effect on aquifer yield or groundwater levels;
3. Conflict with or impede implementation of a water quality control plan or a sustainable groundwater management plan; or
4. Increase water use above that of existing baseline conditions.

The analyses performed as part of this WSA demonstrate that the existing water supply is capable of meeting the Project's forecasted annual demand of approximately 77 acre-feet per year under normal, single dry, and multiple dry year conditions. Moreover, the use of groundwater for the Project would not adversely affect or be in conflict with applicable groundwater management policies or basin plans. Based on these findings, the identified water sources are considered sufficient to support the proposed activities without resulting in direct or indirect adverse effects on groundwater sustainability or supply.

8.0 REFERENCE

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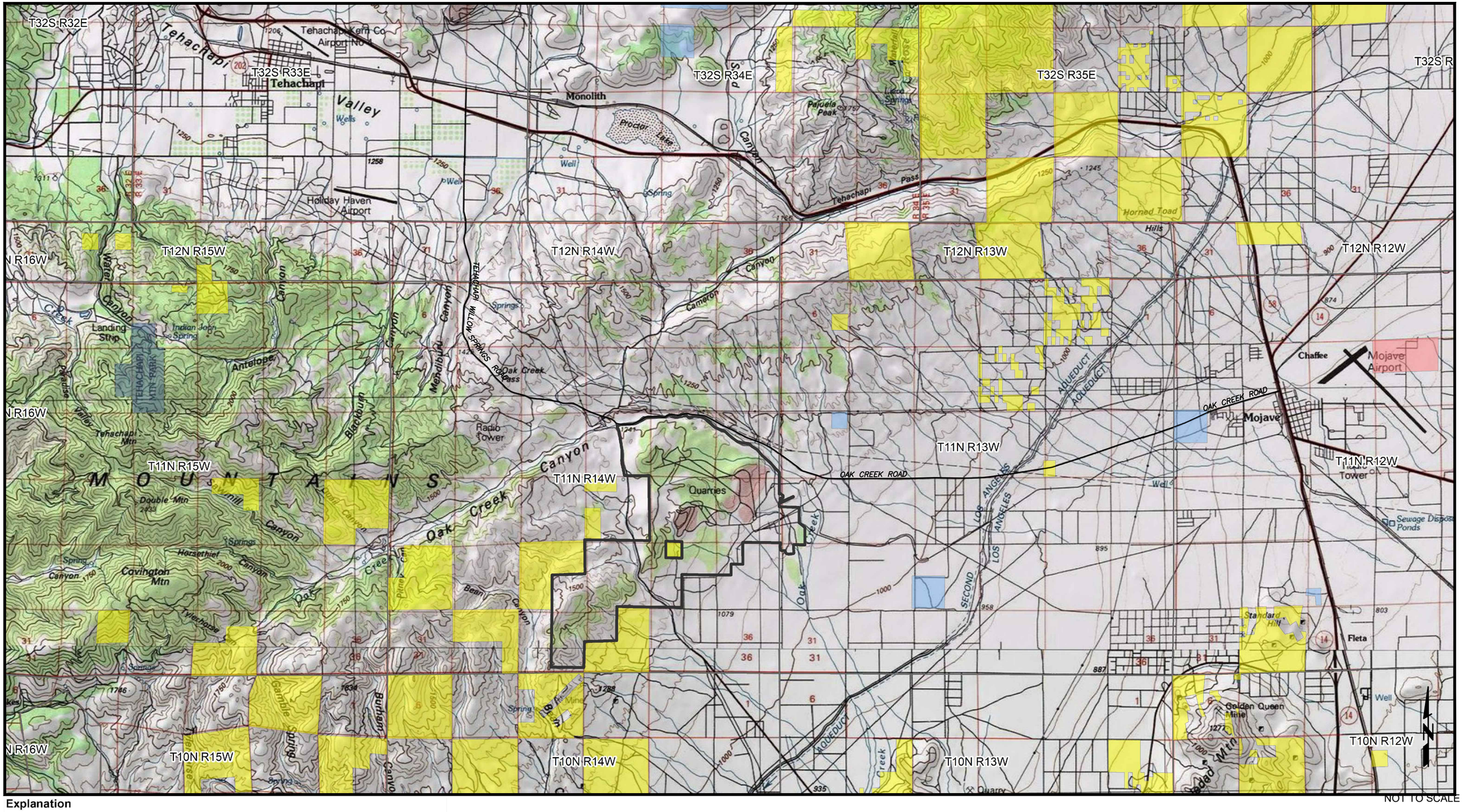
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FIGURES



NOT TO SCALE

Explanation

Proposed Project Boundary

Land Status

- Military Reservations and Corps of Engineers
- Bureau of Land Management
- Local Government
- State Land
- Unclassified

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CALPORTLAND COMPANY
MOJAVE MINE LIFE EXTENSION PROJECT
PROJECT AREA LOCATION, ACCESS & LAND STATUS

SCALE: HORIZ. AS SHOWN, VERT. AS SHOWN
FIGURE NUMBER 1
DRAWN BY:
CHECKED BY:
DATE: AUGUST 2021

Legend

- Project Boundary
- Townships
- Sections
- Fremont Valley Groundwater Basin
- Antelope Valley Groundwater Basin
- Well Collar Locations

Potable Water Well # 5
Well Depth: 84 (ft bgs)

See Detail

Potable Water Well # 6
Well Depth: 64 (ft bgs)

Quarry Well R4-WE2
Well Depth: 162 (ft bgs)

Solar Well B9
Well Depth: 87 (ft bgs)

Solar Well B2
Well Depth: 97 (ft bgs)

Quarry Well R4-WE1
Well Depth: 442 (ft bgs)

Big Meadow Well (5)
Well Depth: 200 (ft bgs)

Maxar

Well locations and data from Provost & Pritchard, 2019. Water Supply Assessment for Mojave Mine Extension Project.

N

0 2,900 5,800 Feet

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Project Vicinity Well Locations

FIGURE NUMBER
2

Trinity Consultants, Inc\CalPortland - Documents\CA Mojave\All Projects\210509.0032 CUP Mod-RPA\07 CAD-GIS\Revised Water Wells Location Figures\Revised Water Wells Location Figures.aprx



N

0 2,500 5,000 10,000 Feet

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Groundwater Basin Boundaries

FIGURE NUMBER
3

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APPENDIX A

Kenneth D. Schmidt & Associates
Updated Hydrogeologic Report for Mojave Plant, CalPortland Company (2009)

KENNETH D. SCHMIDT AND ASSOCIATES
GROUNDWATER QUALITY CONSULTANTS
3701 PEGASUS DRIVE SUITE 112
BAKERSFIELD, CALIFORNIA 93308
TELEPHONE (661) 392-1630

RECEIVED
JUL 14 2009
By

July 2, 2009

Mr. Mike Kirby
Environmental Manager
CalPortland Company
9350 Oak Creek Road
Mojave, CA 93501

Re: Updated Hydrogeologic
Report for Mojave Plant

Dear Mike:

Submitted herewith is our updated hydrogeologic report. We appreciate the cooperation of you and Leo Mercy in providing basic data for this report.

Sincerely Yours,

Kenneth D. Schmidt
Geologist No. 1578
Certified Hydrogeologist
No. 176

KDS/pe





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EXECUTIVE SUMMARY

1. Shallow groundwater at the CalPortland Company Mojave Plant has been monitored since 1987. Groundwater is present in relatively thin alluvial deposits and in the underlying weathered rock.

2. The plant is near the edge of the alluvial groundwater basin, and fine-grained deposits are more common below the water level. Yields of wells in the vicinity are low, and large-capacity wells aren't possible.

3. The direction of groundwater flow has been consistently to the southeast in the westerly part of the monitored area and to the east in the easterly part.

4. Water levels in the westerly part of the area have been shallow, and recharge is primarily from groundwater inflow from hardrock to the northwest. Water levels have generally been greater than 150 feet deep in the easterly part of the area and recharge is primarily from seepage of periodic streamflow in Oak Creek. Since 1972, there have only been four periods of streamflow large enough to significantly recharge the groundwater in this area.

5. High chromium and nitrate concentrations are present in the

shallow groundwater in an east-west trending area. The source of the chromium was the former kiln brick disposal area at the plant. Contaminated materials from this source were removed by 2004. Two sources of nitrate were found in the hardrock in the quarry area, which is upgradient of the alluvial monitor wells. Undetonated blasting materials in the quarry were removed in 2001. The other source is from a geologic unit and is natural.

6. In August 1990, a pilot groundwater remediation program began. Groundwater with high chromium and nitrate concentrations was pumped from several extraction wells and used at the plant. By 1995, the program had been expanded and was operating at full capacity. By the end of 2008, a total of 285 acre-feet of high chromium and high nitrate groundwater had been extracted.

7. Extraction well pumpage peaked during 1995-2002, during a period of shallow to moderate groundwater levels. After 2003, the extraction well pumpage decreased, as water levels fell. In 2008, extraction well pumpage was the lowest since the remediation program was fully developed. The reductions in extraction well pumpage in the east area are indicated to be due to water-level declines, as most of the alluvial deposits

were above the water level in 2006-08. In the western area, declines in extraction well pumpage have been partly due to water-level declines and apparently also due to extraction well plugging.

8. Concentrations of chromium and nitrate in the groundwater decreased substantially after extraction pumpage began. These decreases were the predominant trend through 2003. After extraction well pumpage decreased due to lowered water levels, concentrations of chromium and nitrate in water from some wells rose. Declining chromium and nitrate trends are expected in the future, once water levels rise and more extraction well pumpage is possible.

9. The groundwater remediation program has effectively controlled the downgradient movement of high chromium and high nitrate groundwater. There are no known water supply wells downgradient of and within four miles of the easterly extraction wells. Thus there is no threat to off-site water supply wells from the high chromium and nitrate groundwater in shallow groundwater at the plant.

UPDATED HYDROGEOLOGIC REPORT FOR CALPORTLAND COMPANY MOJAVE PLANT

INTRODUCTION

A number of hydrogeologic evaluations have been done for the CalPortland Company Mojave Plant, extending back to the late 1980's. The plant is located about eight miles west of Mojave. On February 24, 2009, the California Regional Water Quality Control Board, Lahonton Region, issued a Notice of Violation (NOV) to Cal-Portland Company. This NOV raised a number of hydrogeologic issues, most of which are related to a groundwater remediation program that was begun at the plant in 1990. A major issue was the effectiveness of this program on controlling high chromium and nitrate concentrations in groundwater beneath part of the plant property. The purpose of this report is to provide an updated hydrogeologic report, that provides basic information and addresses these hydrogeologic issues.

The first groundwater quality evaluation was done by Harding Lawson Associates in May 1987 and focused on high chromium concentrations in groundwater beneath part of the plant. As part of that evaluation, eleven monitor wells were installed and sampled. Kenneth D. Schmidt and Associates (KDSA) (1989) reported on the extent of high chromium and nitrate concentrations in groundwater at the Mojave plant. In June 1990, KDSA proposed a pilot project for groundwater remediation at the plant. Three monitor wells were

proposed for extraction, and this program began on August 20, 1990. The extracted water was used for process water at the plant (eventually becoming part of the cement). Six additional monitor wells were installed and sampled during 1990-91. Over the years the extraction program was expanded, to include easterly wells, and to increase the extraction capacity. The westerly wells are primarily in or near the vicinity of the former kiln brick disposal area (KBDA), which was found to be the source of the chromium in the groundwater. The easterly wells are near the former kiln dust disposal (KDBA), or farther east. Four additional monitor wells were installed in 1993. Figure 1 shows the existing network of extraction wells and monitor wells. In addition to the groundwater remediation program, contaminated soil and other materials in several areas were removed, as subsequently discussed.

MONITOR WELLS AND EXTRACTION WELLS

Table 1 provides construction data for these wells. There are presently seven extraction wells in the westerly area, and three in the eastern area. KDSA (1992, 1994, and 1995) reported on updates on the groundwater remediation program. Since that time, quarterly monitoring data has been submitted to the Regional Board in semi-annual monitoring reports. These include water-level elevation contour and direction of groundwater flow maps, hexavalent chromium and nitrate maps, and extraction well pumpage.

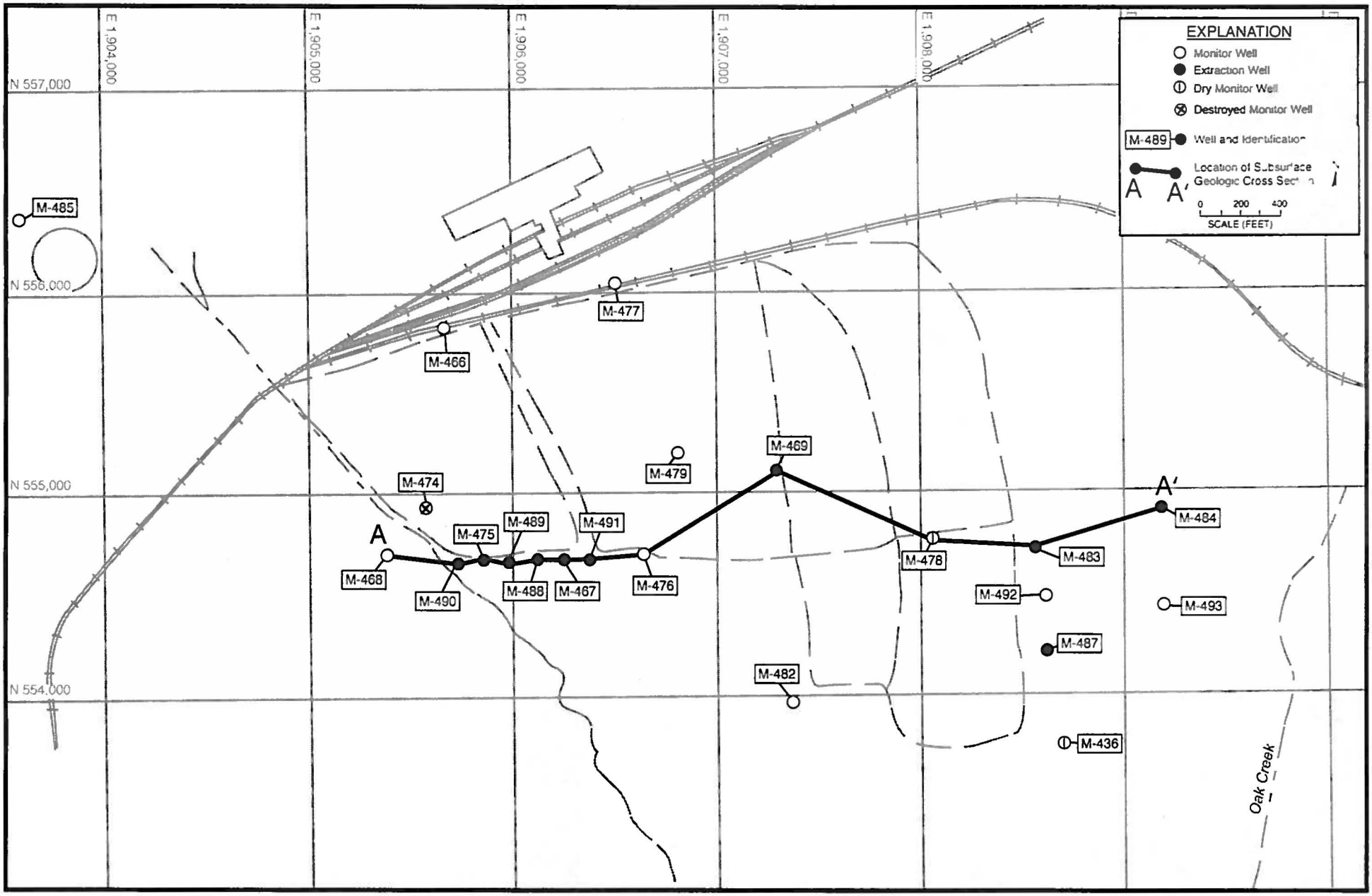


FIGURE 1 - LOCATION OF MONITOR WELLS, EXTRACTION WELLS, AND SUBSURFACE GEOLOGIC CROSS SECTION A-A'

TABLE 1-CONSTRUCTION DATA FOR MONITOR WELLS

No.	Date Drilled	Drilled Depth (feet)	Casing Diameter (inches)	Perforated Interval (feet)	Annular Seal (feet)
M-436	06/82	320	4	120-180	0-25 & 185-190
M-466	01/86	100	4	30-90	0-25
M-467	01/86	120	4	40-100	0-24
M-468	1986	95	4	-	-
M-469	1986	167	4	71-131	0-25
M-474	09/86	88	4	45-85	0-35
M-475	09/86	98	4	35-85	0-25
M-476	08/86	97	4	44-94	0-34
M-477	09/86	170	4	110-165	0-80 & 97-100
M-478	09/86	208	4	120-200	0-80 & 97-100
M-479	09/86	151	4	105-145	0-80 & 91-93
M-482	01/87	180	4	85-144	0-53
M-483	02/90	232	6	193-232	0-170
M-484	02/90	278	6	226-276	0-201
M-485	02/90	162	6	62-162	0-50
M-487	03/91	275	6	215-275	0-205
M-488	03/91	111	6	58-111	0-51
M-489	03/91	113	6	57-113	0-51
M-490	11/93	110	6	60-110	0-50
M-491	11/93	110	6	60-110	0-50
M-492	11/93	270	6	210-270	0-200
M-493	11/93	300	6	240-300	0-230

Well M-485 has a six-inch diameter steel casing inside a ten-inch diameter hole and taps hardrock. The other wells tap alluvial deposits and/or the underlying weathered rock, and have PVC casings. M-436 and M-478 have been dry for a number of years. M-474 was destroyed during excavation of the former kiln brick disposal area (KBDA).

SUBSURFACE GEOLOGIC CONDITIONS

Alluvial deposits beneath much of the plant are relatively thin and are underlain by weathered rock and hardrock. Groundwater is present in the alluvial deposits and in weathered rock. The saturated coarse-grained alluvial deposits have the highest water production. In the westerly area (near and east of the former KDBA), the alluvial deposits range from about 50 to 120 feet in thickness. Figure 2 is a subsurface geologic cross section, extending from west to east, through a number of monitor and extraction wells. In the westerly area, the alluvial deposits are primarily sand or gravel. Two of the westerly extraction wells (M-467 and M-491) are perforated only opposite alluvial deposits, while wells farther west along this section are generally perforated opposite both alluvial deposits and weathered rock. The thickness of the weathered rock in this area ranges from about 10 to more than 45 feet. There is a subsurface depression at or near M-467, where the alluvial deposits are the thickest (about 120 feet thick). There is a hardrock high farther east at or near M-476, and the alluvial deposits are only about 50 feet thick at that location.

The alluvial deposits thicken substantially in the area east of M-476, to about 170 feet thick at M-478 and about 230 feet thick at M-484. Fine-grained deposits are more common at depth in the easterly area, particularly just above the weathered rock. The

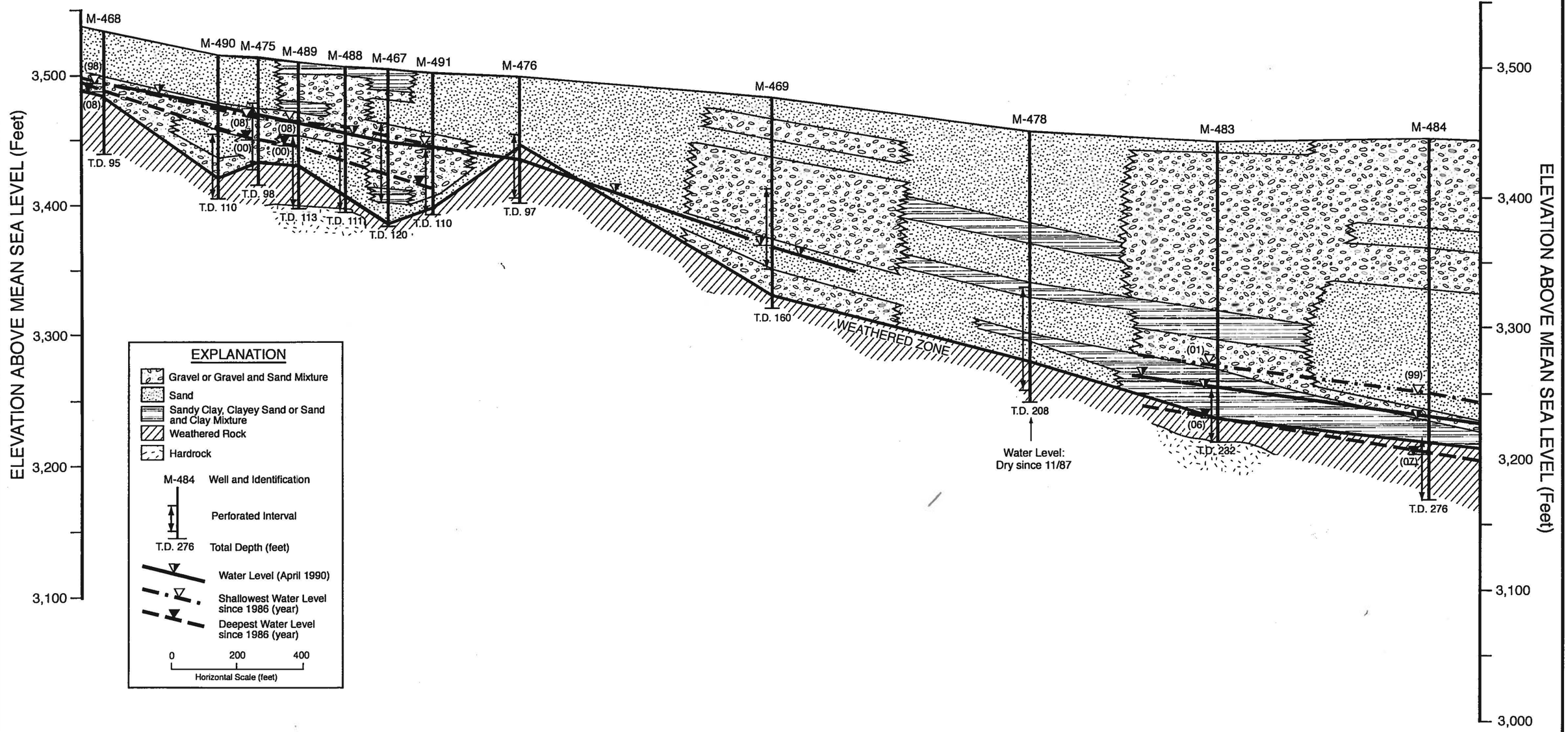


FIGURE 2 - SUBSURFACE GEOLOGIC CROSS SECTION A - A'

weathered rock in the easterly area ranges from 15 feet to more than 45 feet in thickness. The fine-grained deposits just above the weathered rock are up to 40 feet thick in the easterly area.

The shallowest and deepest static water levels since 1986 are also shown on Figure 2. Figure 2 shows that from about a third to a half of the alluvial deposits in the westerly area that are saturated during periods of shallow water levels have been above the water level during periods of deep water levels. In the easterly area, some coarse-grained deposits have been saturated when water levels have been relatively shallow. When water levels are deep in the easterly area, the alluvial deposits are above the water level, and groundwater is thus present only in the weathered rock. Water levels are discussed in more detailed in the following section of this report. In general, the lowest water production is from the fine-grained alluvial deposits and the weathered rock.

PRECIPITATION RECORDS

Monthly precipitation records are available for Tehachapi (elevation 4,017 feet) since 1931. The annual average precipitation has been 11.2 inches. The maximum annual precipitation was 27.8 inches in 1983 and the minimum was 4.0 inches in 1959. Since 1996, the maximum annual precipitation was 22.8 inches in 1998, and the lowest annual precipitation was 5.9 inches in 2007. A review of water-level records for Well 29M1 (discussed in next section)

and these precipitation records indicates that significant stream-flow in the lower reach of Oak Creek (near the east wells) has occurred only four times since 1972.

WATER LEVELS

Water-Level Elevations and Direction of Groundwater Flow

Figure 3 shows water-level elevations and the direction of groundwater flow for April 15, 2009. Water-level elevations on April 15, 2009 ranged from 3,520 feet above mean sea level at M-466 to 3,212 feet at M-484. Similar maps have been prepared on a quarterly basis for many years and generally show the same patterns. The direction of groundwater flow has consistently been to the southeast in the westerly area and to the east in the easterly area.

Water-Level Hydrographs

Long-Term

Water levels in CalPortland Test Well No. 2 (T11N/R14W-29M1) have been measured since 1954. This unused exploratory well was constructed in 1954 and has perforated casing from 520 to 724 feet in depth. This well is located east of Oak Creek, which passes through the area east of the easterly monitor and extraction wells (Figure 15). Well No. 2 is located 4,660 feet southeast of M-483, and alluvial deposits are indicated to be more than 700 feet thick

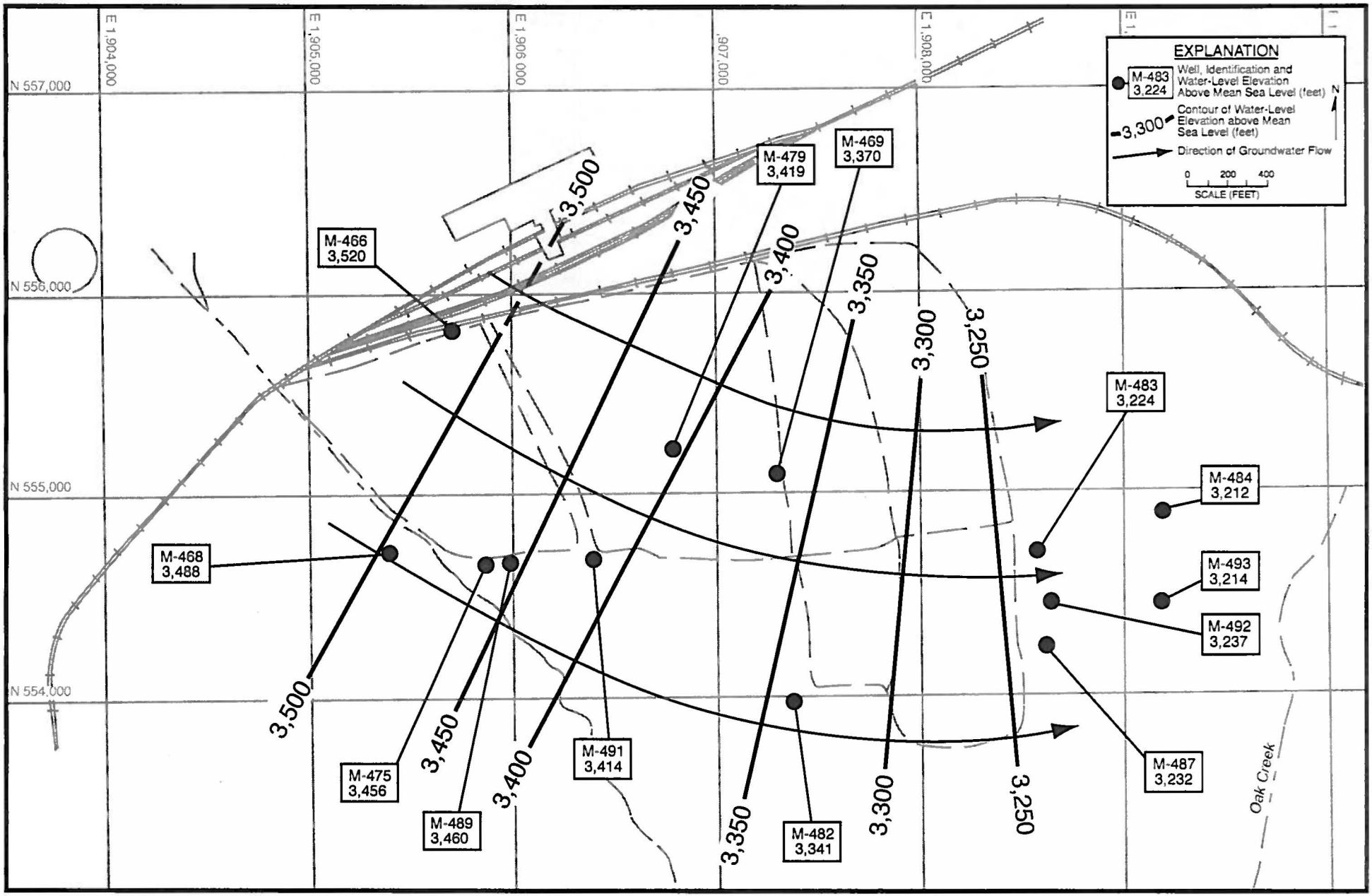


FIGURE 3 - WATER-LEVEL ELEVATION CONTOURS AND DIRECTION OF GROUNDWATER FLOW (APRIL 15, 2009)

at this well. Depth to water in Well No. 2 has ranged from about 278 to 344 feet (Figure 4). The shallowest water level was in November 1984 and the deepest was in March 2008. There were large water-level rises in this well in 1979-80, 1983-84, 1993-95, and in 1998. These rises coincided with periods of significant streamflow in Oak Creek, which is upgradient of Well No. 2. Recharge from creek seepage is indicated to be the major source of recharge to groundwater in the alluvial deposits in and near the east area. Streamflow is uncommon in this reach of Oak Creek. When there has been no streamflow for prolonged periods, the water level in Well No. 2 has fallen substantially. For example, the water level in this well fell almost 60 feet during 1985-92, or at an average of almost eight feet per year.

Plant Monitor and Extraction Wells

Water-level measurements are available since late 1986 for some of the wells in the westerly area (Figure 5). M-466 is a monitor well located north of the westerly extraction wells, and beyond the influence of pumping from these wells. M-468 is a monitor well located west of the extraction wells. Water levels in this well have shown little influence of the extraction well pumpage. Depth to water in M-464 has ranged from 36 to 46 feet and the water level has been about ten feet deeper during dry periods. Depth to water in M-468 has ranged from 37 to 47 feet and the water level

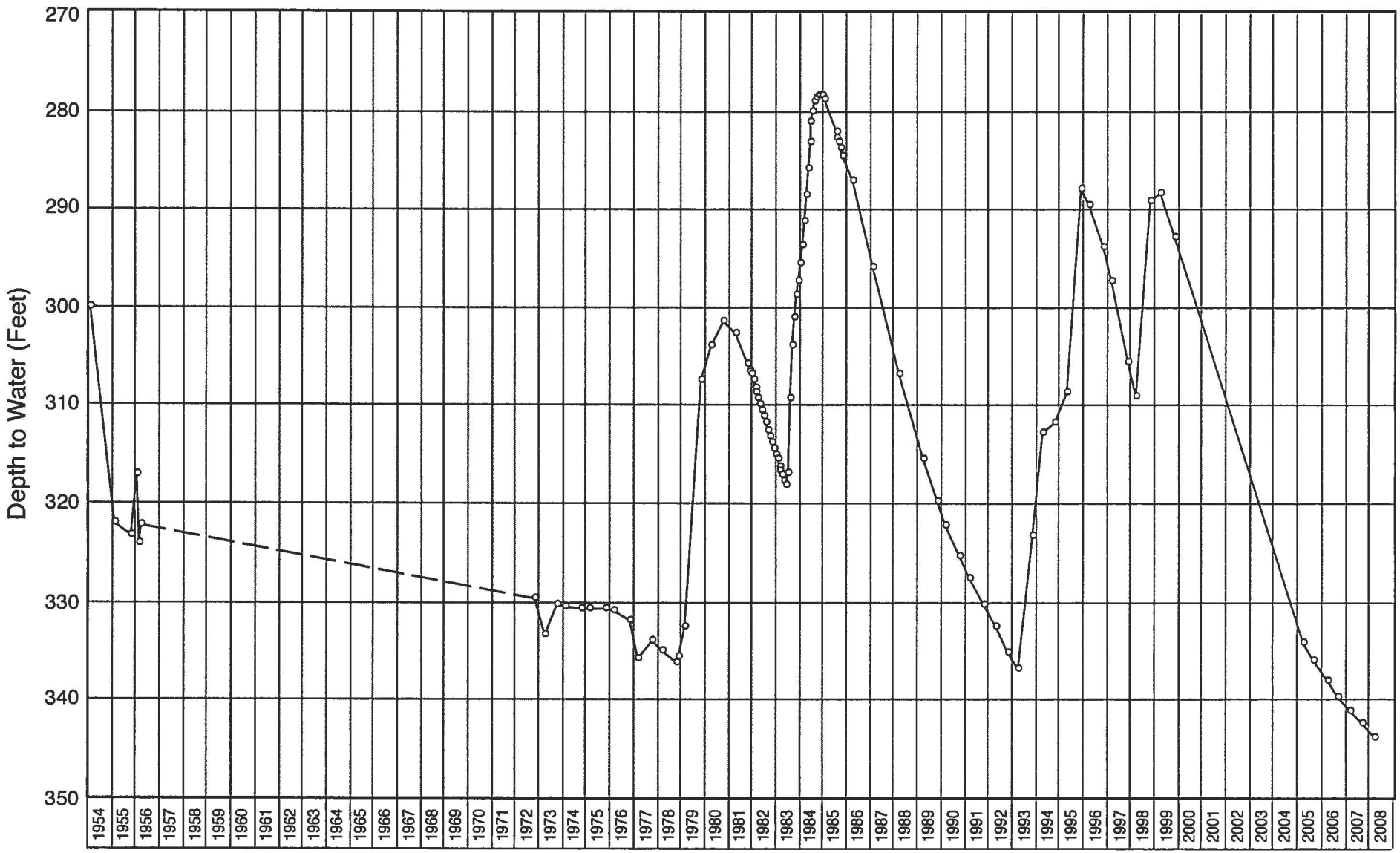


FIGURE 4 - LONG-TERM WATER-LEVEL HYDROGRAPH FOR WELL T11N/R13W-29M1
(PLANT WELL NO. 2)

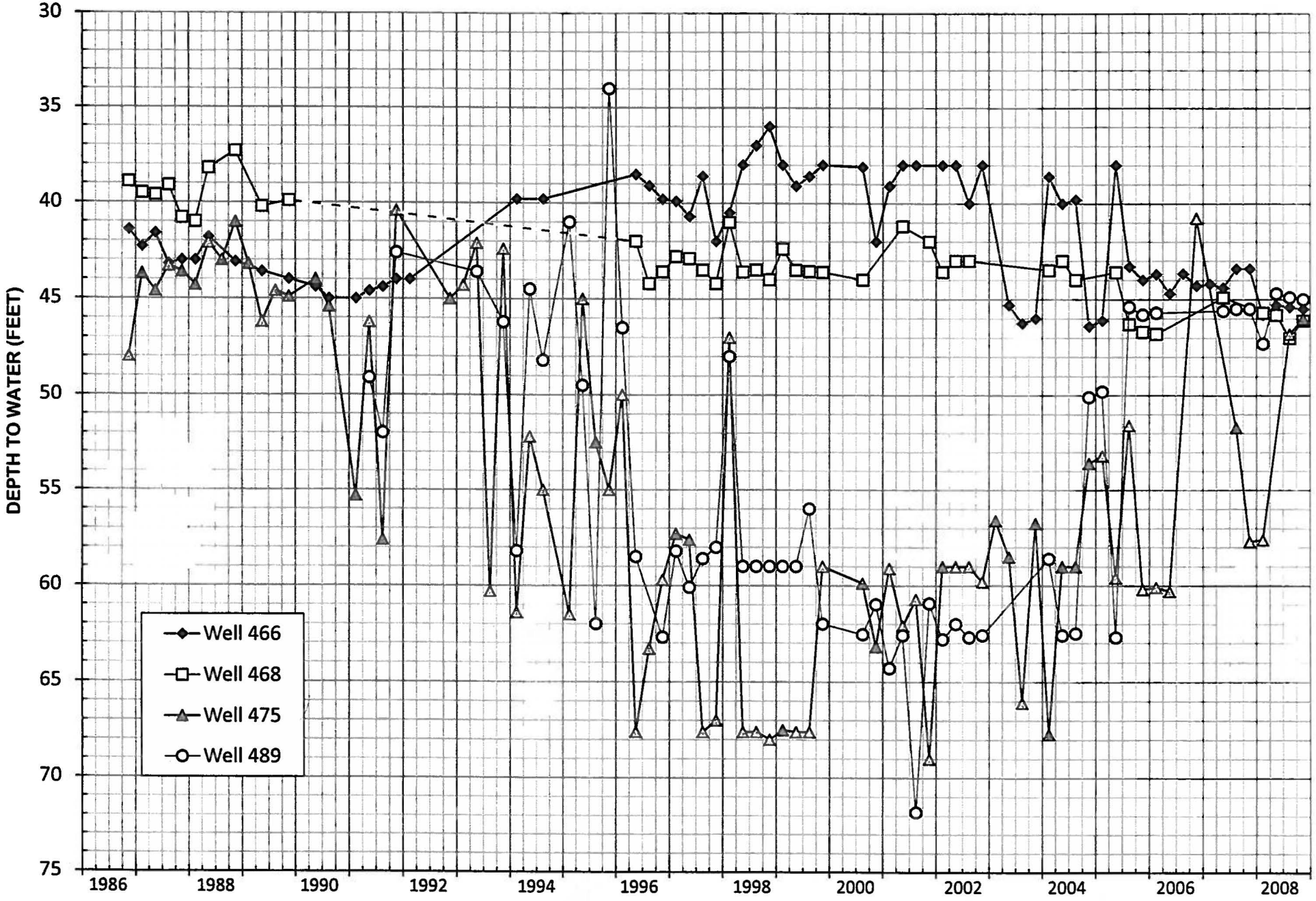


FIGURE 5-WATER-LEVEL HYDROGRAPHS FOR WELLS IN WESTERLY AREA

has been from five to ten feet deeper during dry periods. The major source of recharge to groundwater in the west area is groundwater inflow from hardrock to the northwest, as opposed to directly from Oak Creek seepage.

M-475 and M-489 are in the west part of the westerly area, and water levels in these wells have been primarily influenced by extraction well pumpage, and secondarily by groundwater inflow. The deepest water levels in M-475 were generally during 1996-99, and the deepest levels in M-489 were during 2000-04. Water levels in M-475 and M-489 generally fell as the extraction extraction well pumpage increased through 1998, then rose after pumpage from the westerly extraction wells decreased significantly (after 2003). The water-level trends for these wells suggest that at least part of the decrease in extraction pumpage from the westerly wells was due to well plugging. That is, water-level declines during dry periods don't appear to have been large enough to explain the large decrease in extraction well pumpage (discussed in the next section).

Figure 6 shows water-level hydrographs for wells in the east area. Records are available for these wells since the early 1990's. Since about 1995, water levels trends in these wells have been similar to those for Well 29M1 (Plant Well No. 2). Water levels in the easterly wells were relatively shallow in 1996-97, 2000-01, and in most of 2004. The deepest levels of record for these

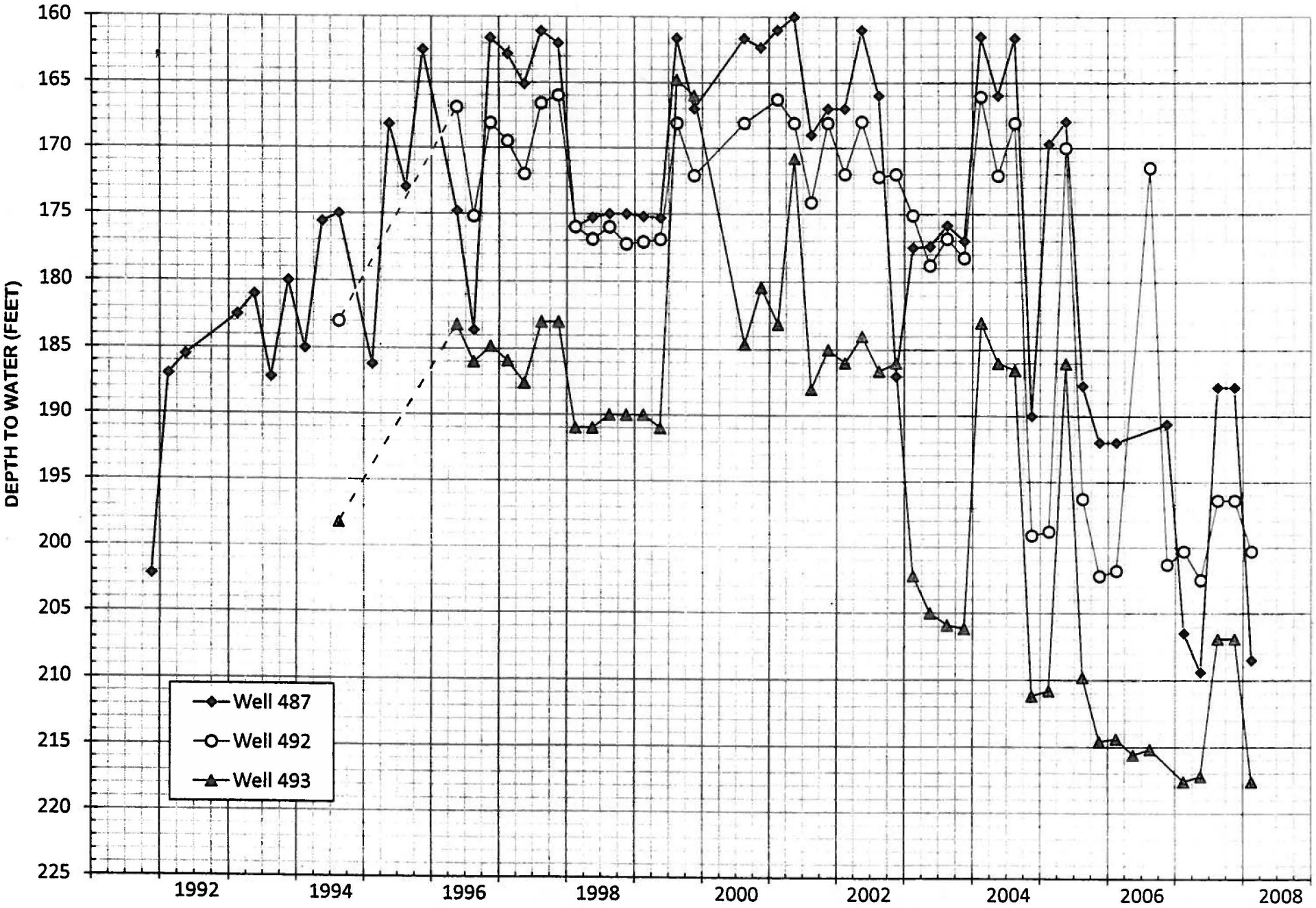


FIGURE 6-WATER-LEVEL HYDROGRAPHS FOR WELLS IN EASTERLY AREA

wells were during 2006-08. During the later period, water levels in the easterly extraction wells were below the permeable deposits, primarily in the weathered rock. Water levels in the east wells depend highly on streamflow in the reach of Oak Creek near the wells.

EXTRACTION WELL PUMPAGE

History of Groundwater Remediation Program

The pilot groundwater remediation program began on August 20, 1990 and comprised pumping from M-467, M-469, and M-475. M-488 and M-489 were added in June 1991. The first easterly extraction wells (M-483 and M-487) were added in early 1992. Two additional westerly wells (M-490 and M-491) were added In August 1994. In 1992, KDSA estimated that there were about 25 gpm of high chromium groundwater moving in the plume, when water levels were shallow or moderately deep. The calculations were based on Darcy's Law, using a transmissivity of 1,000 gpd per foot and average hydraulic gradient of 350 feet per mile.

Table 2 shows pumpage from the west and east extraction wells since 1990. A total of 285 acre-feet had been pumped from these wells through the end of 2008. The peak pumpage was during 1995-2002, and ranged from about 20 to 34 acre-feet per year. This is equivalent to an annual average pumping rate of from 13 to 22 gpm. Total pumpage from the west wells was 101 acre-feet and from the

TABLE 2-EXTRACTION WELL PUMPAGE SUMMARY

	Annual Pumpage in Acre-Feet		
Year	Westerly Wells	Easterly Wells	Total
1990	2.3	0	2.3
1991	6.0	0	6.0
1992	0.5	2.1	2.6
1993	1.0	2.2	3.2
1994	6.8	7.3	14.1
1995	9.6	14.4	24.0
1996	11.3	15.4	26.7
1997	10.4	23.2	33.6
1998	9.7	18.4	28.2
1999	8.8	21.6	30.4
2000	6.5	23.2	29.6
2001	5.0	14.9	19.9
2002	5.3	16.6	21.9
2003	4.1	10.7	14.8
2004	2.9	4.3	7.2
2005	3.0	3.9	6.9
2006	4.1	1.5	5.6
2007	3.4	3.5	6.9
2008	0.4	0.7	1.1
Total	101.1	183.9	285.0

The westerly extraction well pumpage began on August 20, 1990 and the easterly extraction well pumpage began in December 1991.

east wells was 184 acre-feet. Peak pumpage from the west wells was during 1995-99 and ranged from 8.8 to 10.4 acre-feet per year. Peak pumpage from the easterly wells was during 1997-2000, and ranged from 18.4 to 23.2 acre-feet per year. Since 1995 when the program became fully operational, the lowest annual pumpage from all of the extraction wells was during 2004-08. Total annual pumpage during 2004-07 ranged from about six to seven acre-feet per year. In 2008, only about one acre-foot of water could be pumped.

It is obvious from a review of the subsurface cross section and water-level hydrographs, that pumpage from the east extraction wells has been constrained in recent years by deep water levels, which have resulted in most of the productive strata being above the water level. The deep water levels are a result of a prolonged period of no streamflow in the nearby reach of Oak Creek. In contrast, the water-level declines in the west wells appear to explain the loss of up to one-half of the production (compared to when the water levels were shallow). The rest of the decline in production is probably due to plugging of the well perforations. This is to be evaluated by television surveys of the west extraction wells.

GROUNDWATER QUALITY

Geographic Distribution of Chromium

Figure 7 shows hexavalent chromium concentrations in water

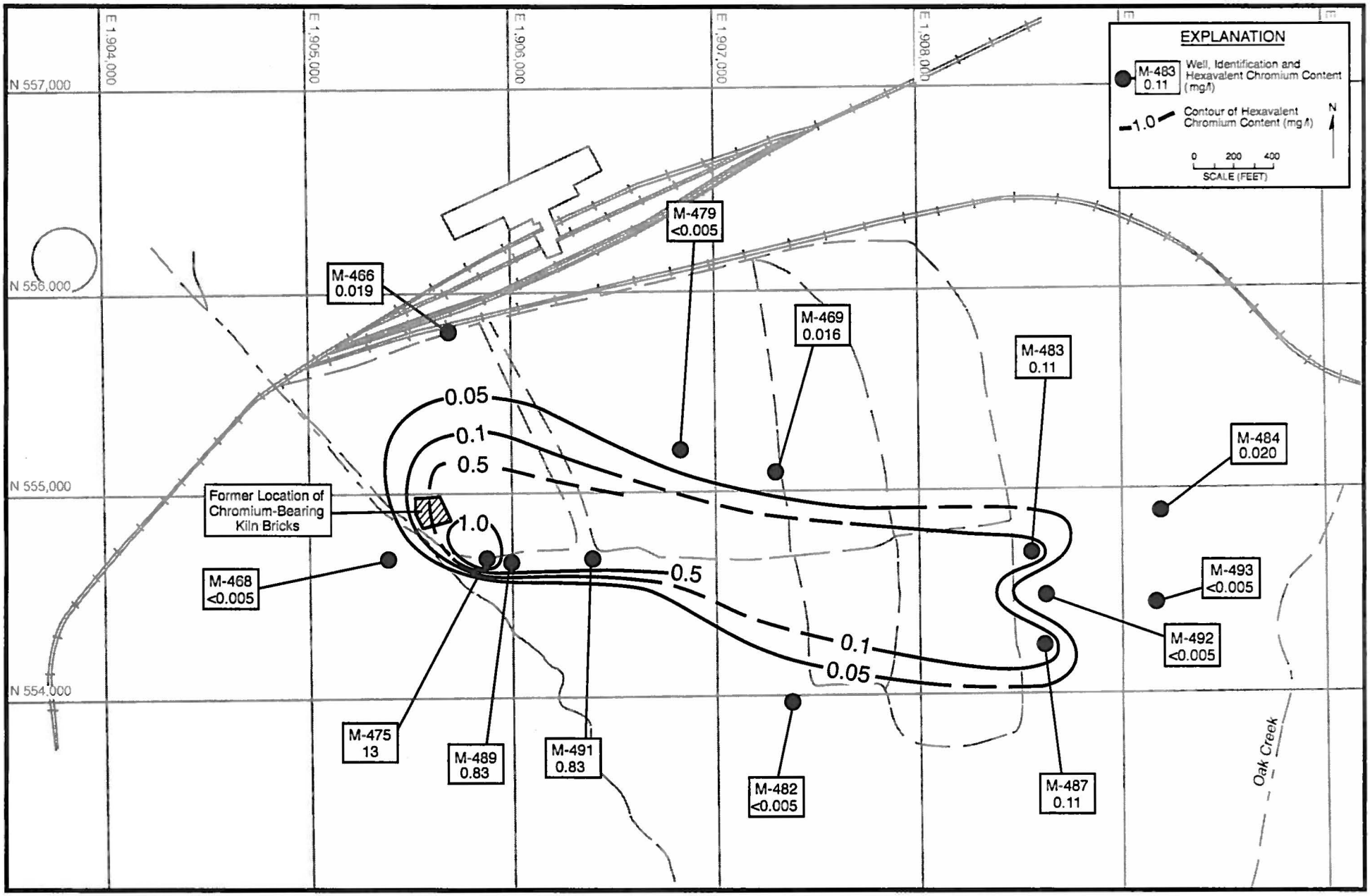


FIGURE 7 - HEXAVALENT CHROMIUM CONTENTS IN GROUNDWATER (APRIL 15, 2009)

from the extraction and monitor wells on April 15, 2009. The highest concentration (13 mg/l) was in water from M-475, downgradient of the former Kiln Brick Disposal area (KBDA). Chromium contaminated brick and soil were removed, and the landfill was capped and closed in 2004. Hexavalent chromium concentrations in water from two downgradient monitor wells located several hundred feet to the east were 0.83 mg/l. Water from two easterly wells (M-483 and M-487) were 0.11 mg/l, exceeding the MCL of 0.05 mg/l. The chromium concentrations thus decreased substantially in the downgradient direction. The pattern of high hexavalent chromium concentrations was consistent with the direction of groundwater flow. Hexavalent chromium concentrations in the two most easterly wells were below the MCL. This pattern has been consistently observed during groundwater monitoring, except that hexavalent chromium concentrations in groundwater were much higher (particularly near the former KDBA) prior to the initiation of the groundwater remediation program.

Geographic Distribution of Nitrate

Figure 8 shows nitrate concentrations in water from the extraction and monitor wells on April 15, 2009. Nitrate concentrations in water from two wells (M-465 and M-489) ranged from 590 to 660 mg/l. Nitrate concentrations in water from two wells in the easterly area (M-483 and M-487) were 130 mg/l. Nitrate concentra-

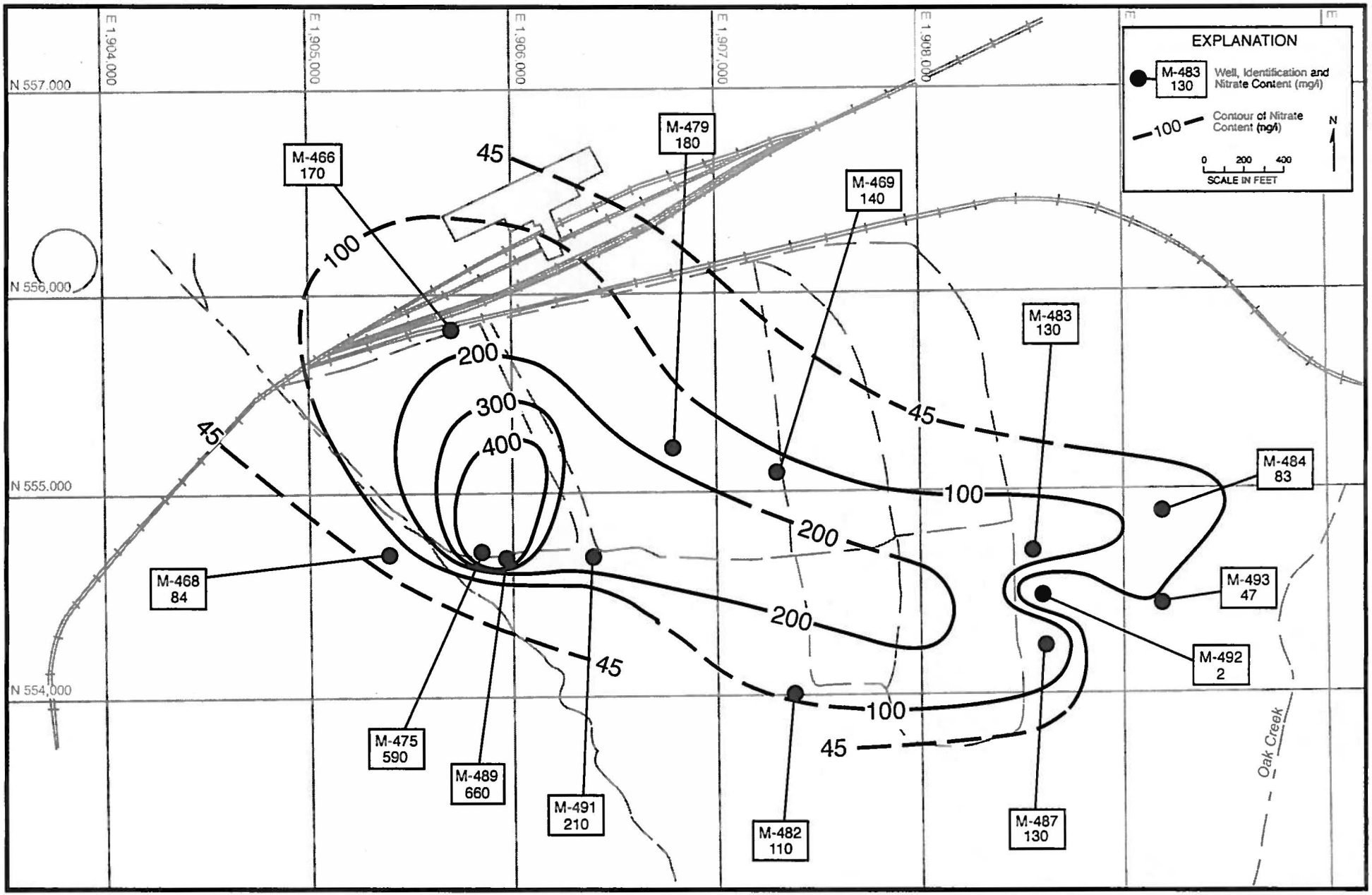


FIGURE 8 - NITRATE CONTENTS IN GROUNDWATER (APRIL 15, 2009)

tions in the two most easterly wells (M-484 and M-493) ranged from 47 to 83 mg/l, exceeding the MCL of 45 mg/l.

Nitrate concentrations generally followed a similar pattern to those for hexavalent chromium. However, a major difference was that nitrate concentrations weren't low in the area upgradient of the westerly wells. This is because there has been upgradient sources of nitrate in the quarry upgradient of the monitor wells.

Leo Mercy conducted an evaluation of nitrate concentrations in groundwater in the hardrock area northwest of the alluvial monitor wells in 1994. He found that high nitrate concentrations in that area were due to natural nitrogen in a shale unit and undetonated blasting materials (containing nitrogen) in the quarry. The undetonated blasting materials in the quarry were removed in March 2001. Appendix A contains the results of that evaluation. Figure 9 shows nitrate concentrations in groundwater in the alluvium and in the hardrock to the northwest in December 1994. A northwest-trending area containing more than 200 mg/l of nitrate extends upgradient of the alluvial monitor wells. Thus background nitrate concentrations in groundwater up-gradient of the alluvial wells exceed the MCL of 45 mg/l.

Time Trends for Chromium Concentrations

Besides the groundwater extraction program, chromium contaminated kiln bricks and soil in the former KBDA were removed in

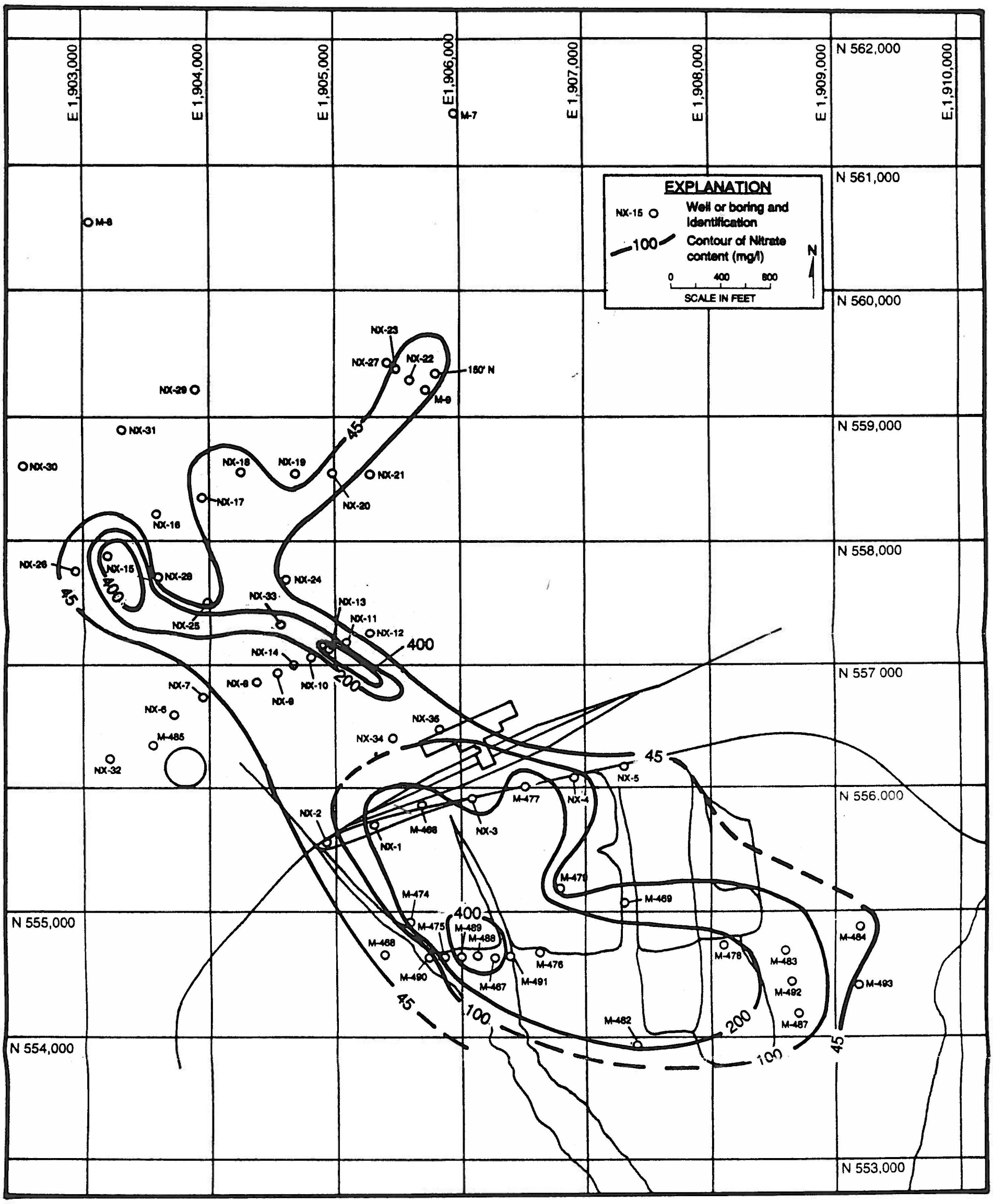


FIGURE 9 - NITRATE CONTENTS IN GROUNDWATER (DECEMBER, 1994)

November 2003.

Westerly Wells

Figure 10 shows hexavalent chromium concentrations in water from monitor wells and extraction wells in the westerly area from 1993-2009. Hexavalent chromium concentrations in water from M-466 and M-468 (north and west of the former KDBA) have generally been below the MCL of 0.05 mg/l and stable. Hexavalent chromium concentrations in water from M-489 have decreased significantly since the groundwater remediation program began. Hexavalent chromium concentrations in water from M-475 have also decreased considerably (from over 40 mg/l in 1997, 1999, and 2000) to less than 15 mg/l in late 2008 and in 2009. M-479 is located north of the chromium plume, and hexavalent chromium concentrations in water from this well have stayed low. Hexavalent chromium concentrations in water from M-491 decreased through 2005, to less than 0.1 mg/l, then apparently increased temporarily in 2006-07 as the extraction rates decreased, in some cases to near values in the mid-1990's. However, more representative samples, collected after prolonged pumping, had low concentrations (well below the MCL in 2008). Part of the reason for the large variability in hexavalent chromium concentrations in water from some wells, is that samples from extraction wells haven't been collected after the same duration of pumping during different sampling rounds, partly due to the low amounts of pumpage

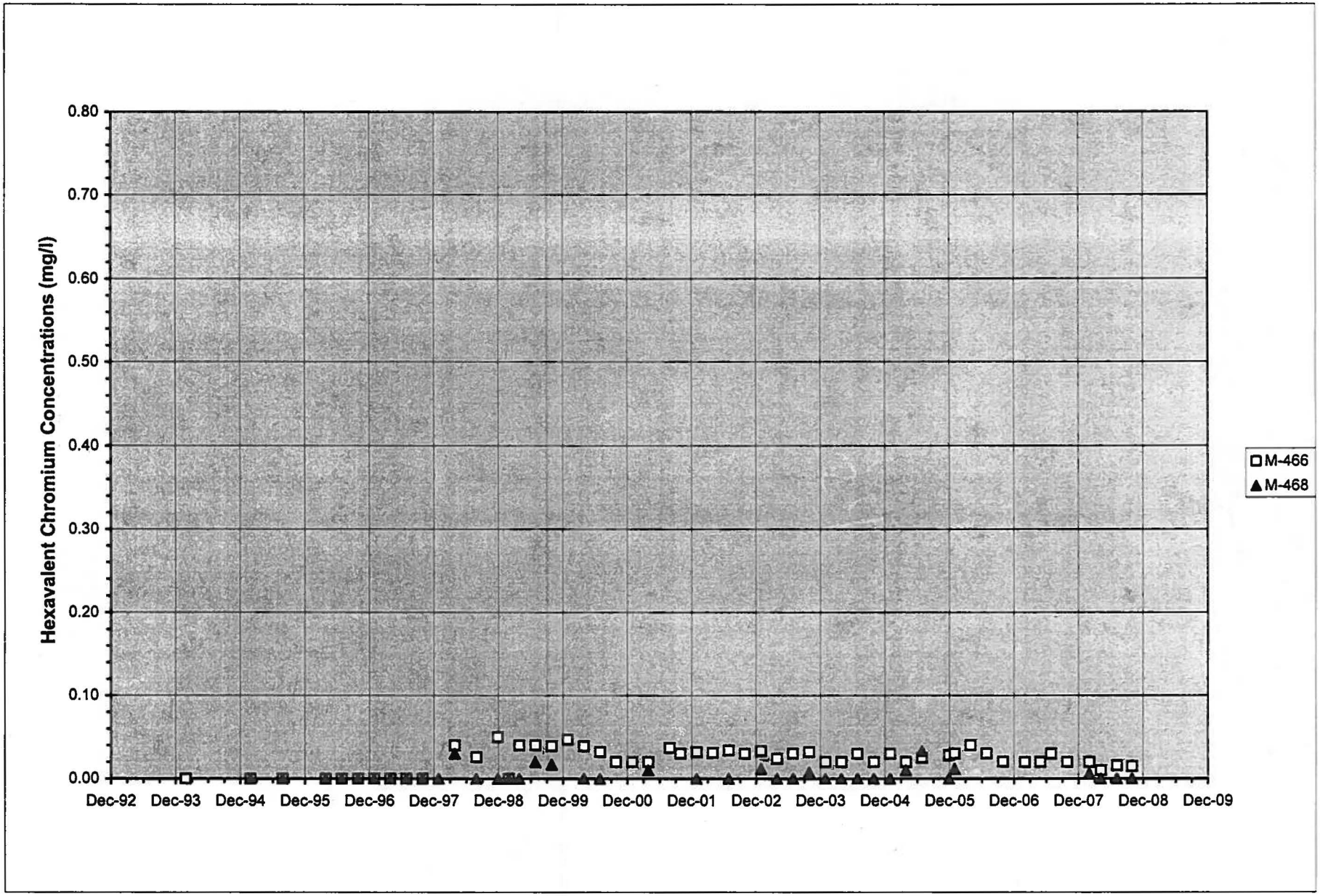


FIGURE 10-HEXAVALENT CHROMIUM CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

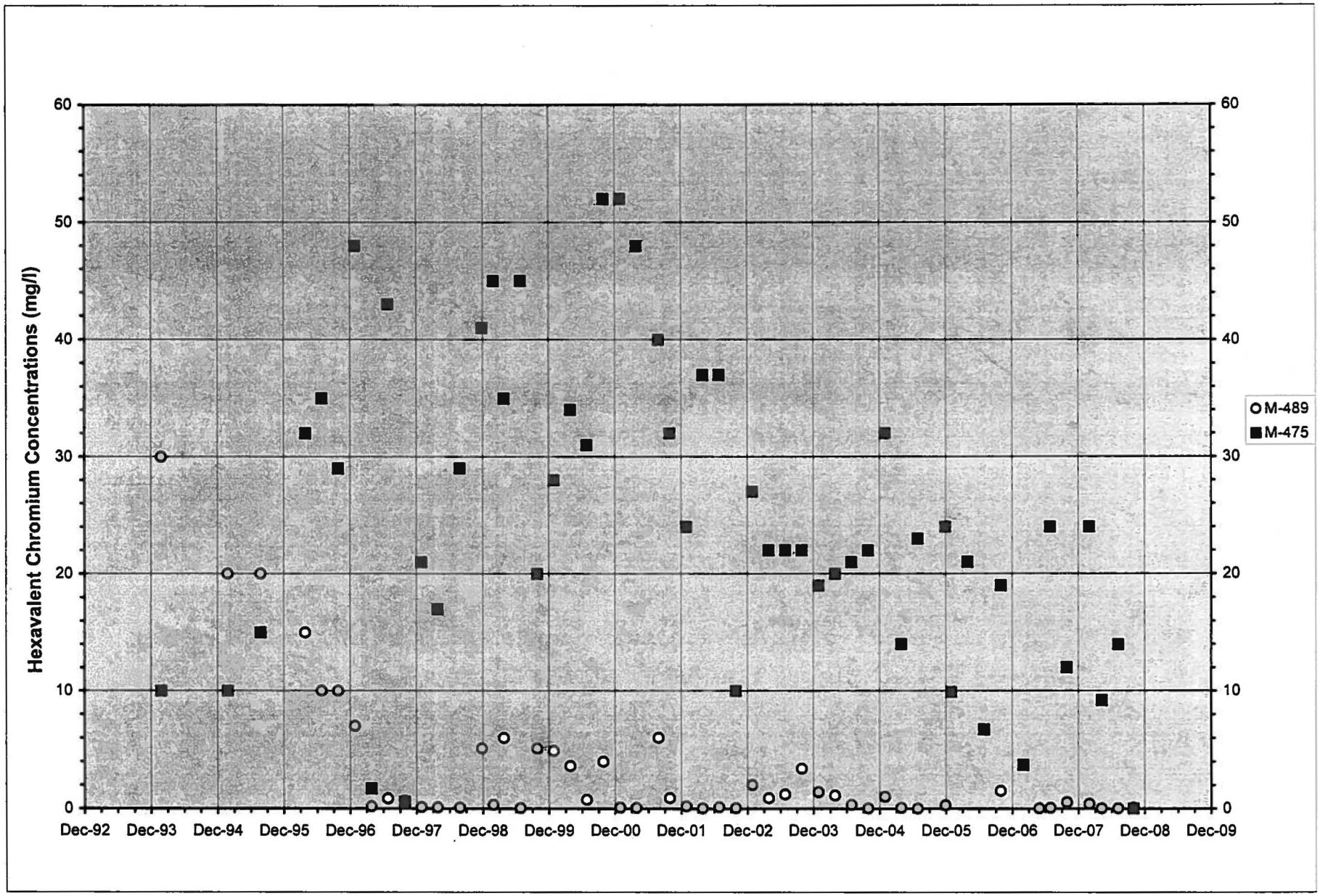


FIGURE 10-HEXAVALENT CHROMIUM CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

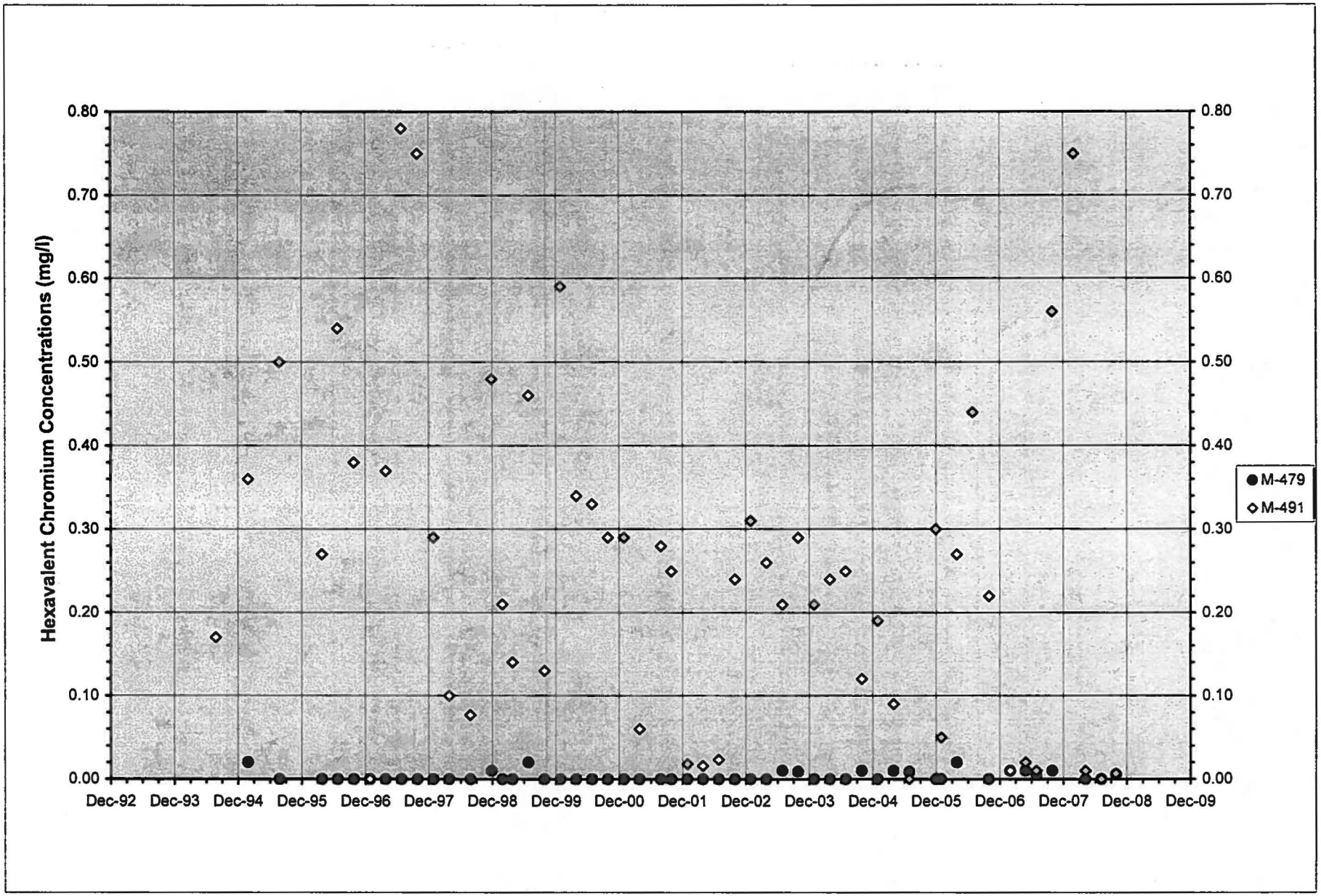


FIGURE 10-HEXAVALENT CHROMIUM CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS

possible. An effort is being undertaken to remedy this situation.

Easterly Wells

Figure 11 shows hexavalent chromium concentrations in the east wells. Concentrations in M-469 have usually been low (less than 0.1 mg/l), except for temporary higher concentrations in 1997 and 2001 (0.15 to 0.35 mg/l). Hexavalent chromium concentrations in water from M-482 have generally been low, and below the MCL, as this well is located south of the chromium plume. M-483, M-492, and M-487 are generally located in a north-south configuration and are father to the east. Hexavalent chromium concentrations in water from M-483 were relatively stable (about 0.1 mg/l) from 1994 to 1998, then generally decreased through 2005 to below the MCL. After 2005, hexavalent chromium concentration in water from M-483 temporarily increased, as the extraction rate for the east wells declined. Hexavalent chromium concentrations in water from M-492 decreased after 1997, from an average of about 0.08 mg/l to about 0.02 mg/l or less after 2002. Hexavalent chromium concentrations in water from M-487 generally decreased after 1997, from an average of about 0.08 mg/l to less than the MCL by 2003. After extraction rates decreased in recent years, some anomalously high values were periodically obtained. These appear to be due to sampling procedures, whereby the wells weren't pumped long enough to obtain representative samples. M-484 and M-493 are in a north-south con-

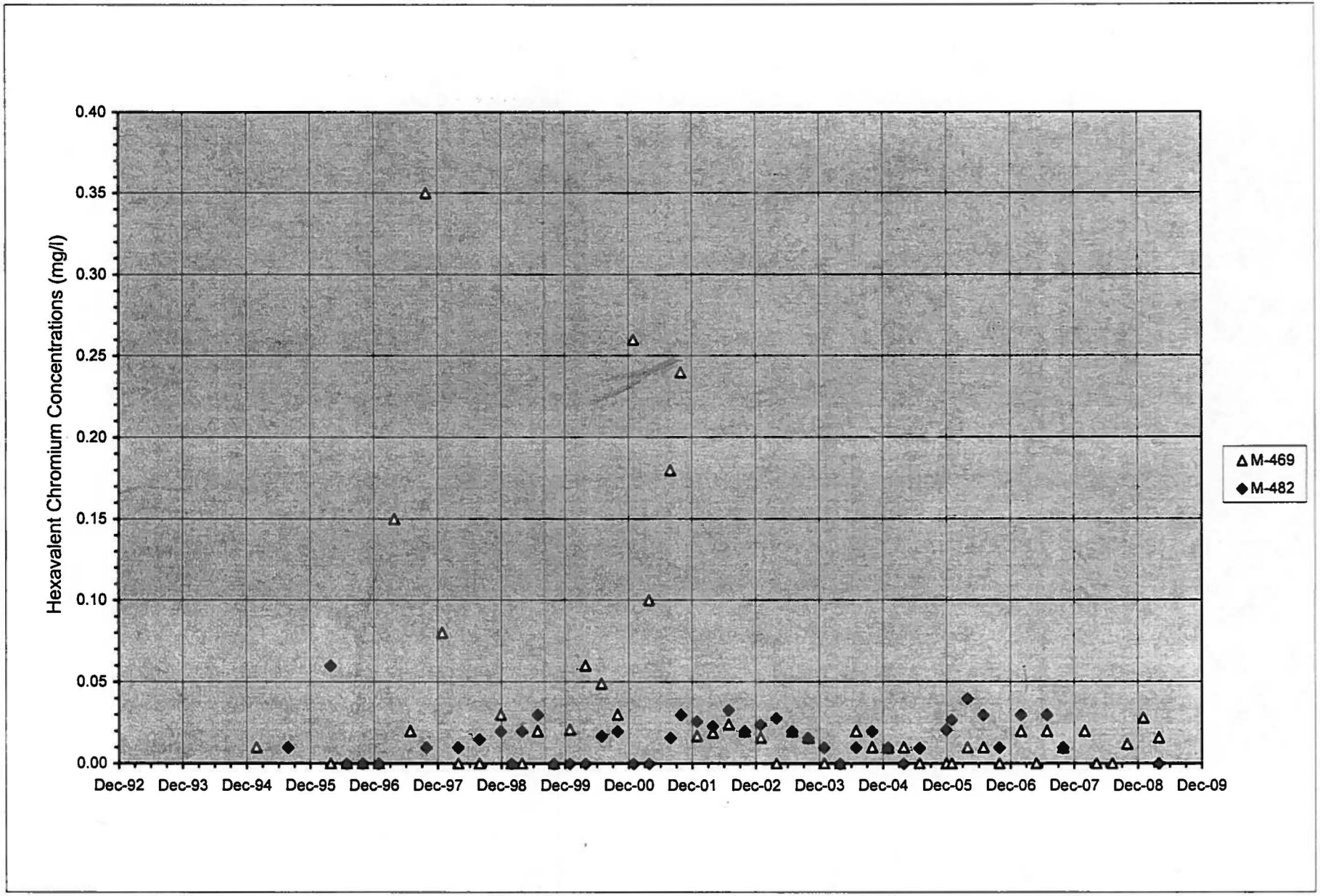


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

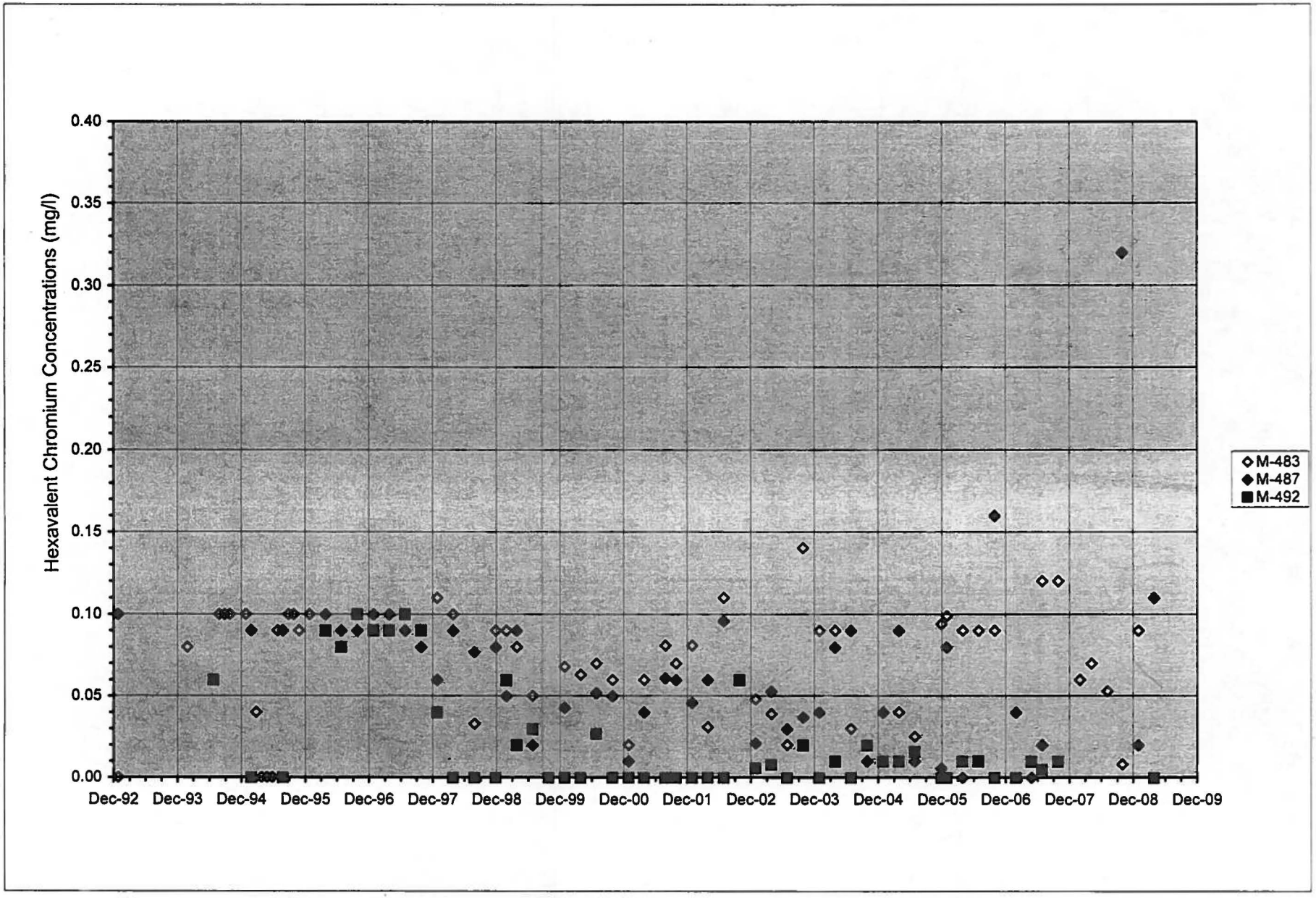


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

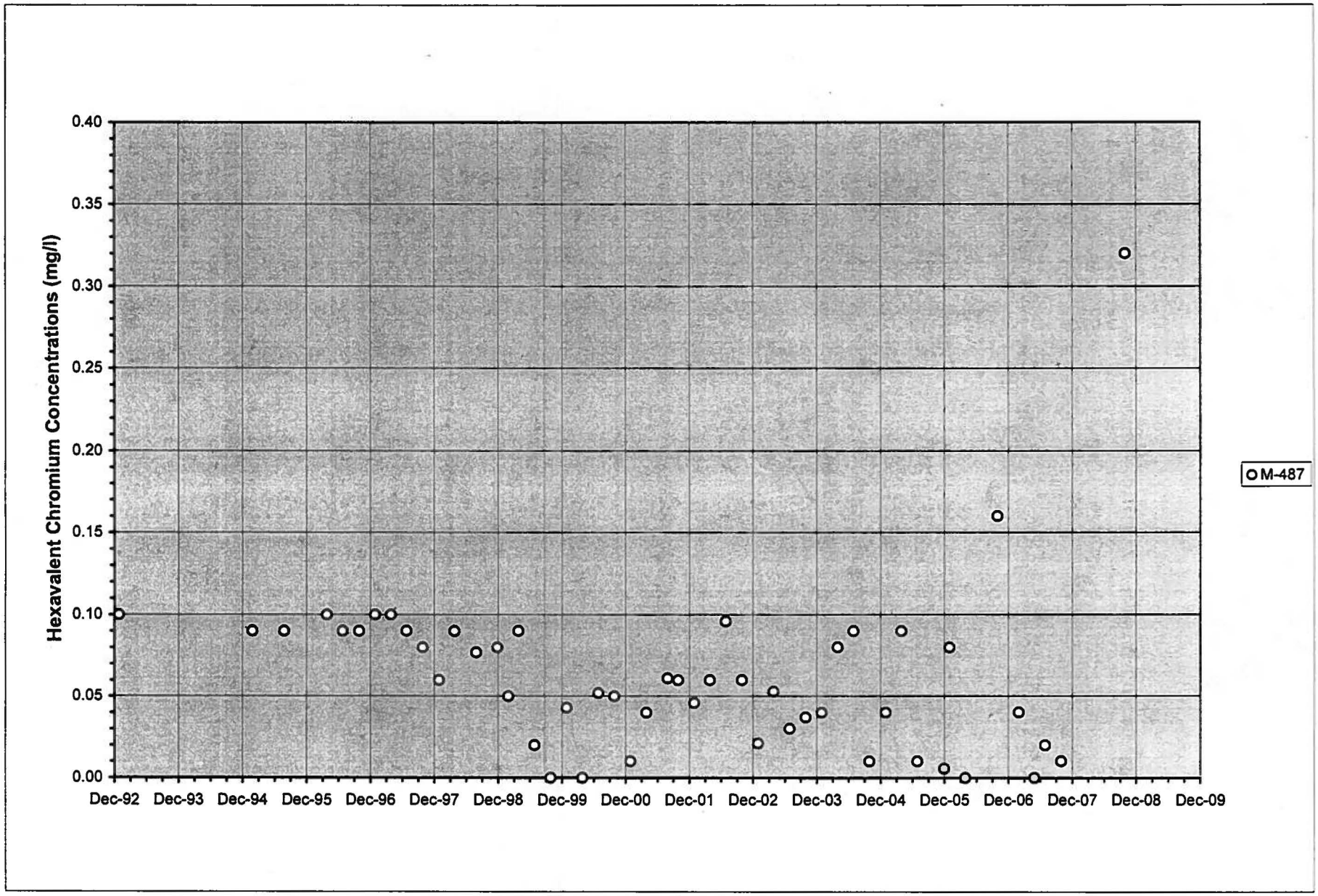


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

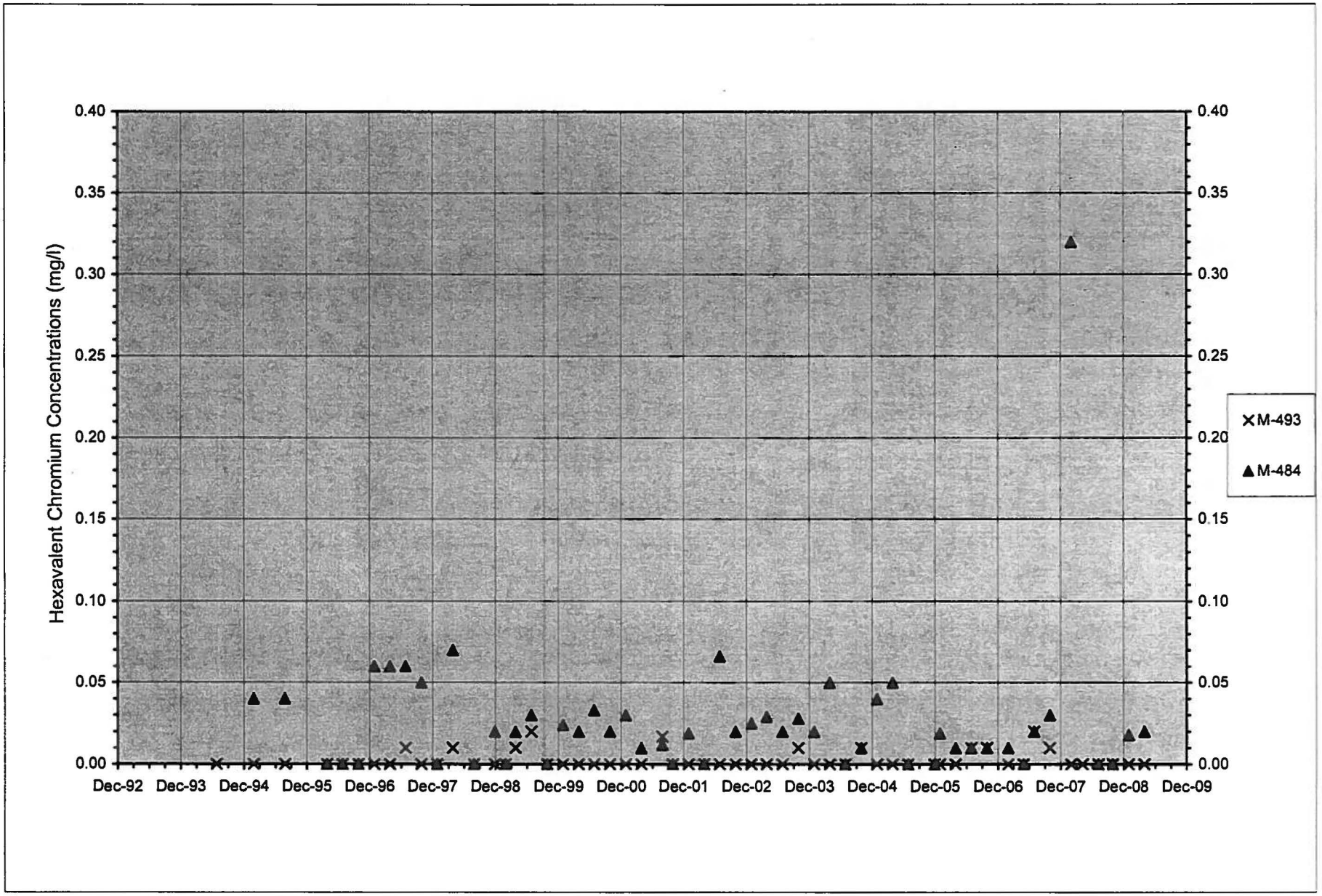


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS

figuration and are the most easterly wells. Hexavalent chromium concentrations in water from M-484 have decreased, from an average of about 0.06 mg/l in 1997 to below the MCL after 2005. Hexavalent chromium concentrations in water from M-483 generally were stable during 1994-97, then generally decreased through 2003. After extraction rates in the easterly wells decreased, hexavalent chromium concentrations in water from M-483 generally increased to values near those in 1994-97.

Time Trends for Nitrate Concentrations

Westerly Wells

Figure 12 shows nitrate concentrations in water from the westerly wells. Nitrate concentrations in water from M-466 have slightly decreased, from an average of about 250 mg/l in 1994-95 to about 180 mg/l in 2008. Nitrate concentrations in water from M-468 increased during 1994-97, possibly due to extraction well pumpage inducing more flow of upgradient high nitrate groundwater to this well. Nitrate concentrations in water from M-468 decreased after 1997, from an average of over 200 mg/l to less than 100 mg/l, likely primarily due to extraction well pumpage. Nitrate concentrations in water from M-475 increased after 1994, from about 200 to 330 mg/l to an average of about 600 mg/l during 2000-08. This is indicated to be due to movement of higher nitrate groundwater to the well. Nitrate concentrations in water from M-489 have been

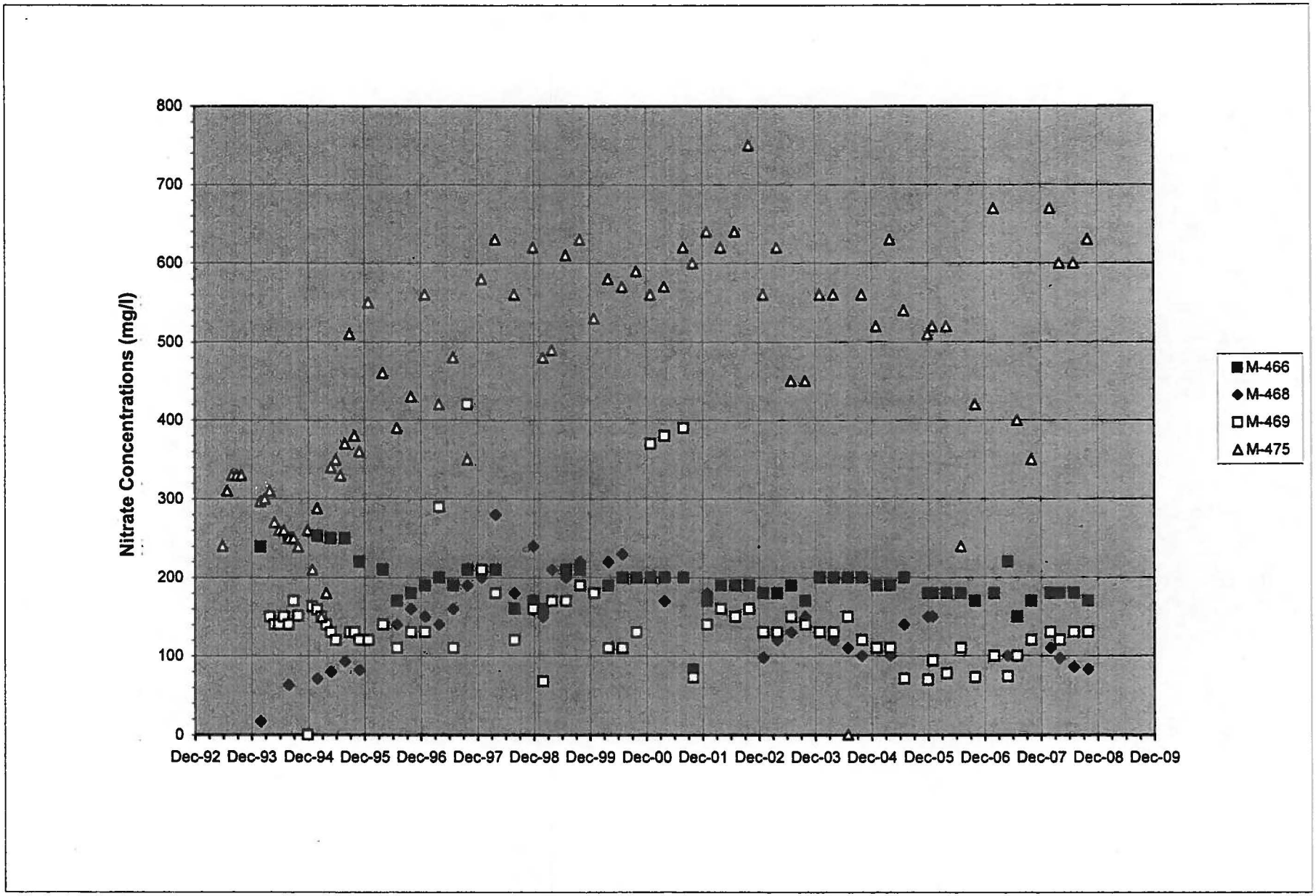


FIGURE 12-NITRATE CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

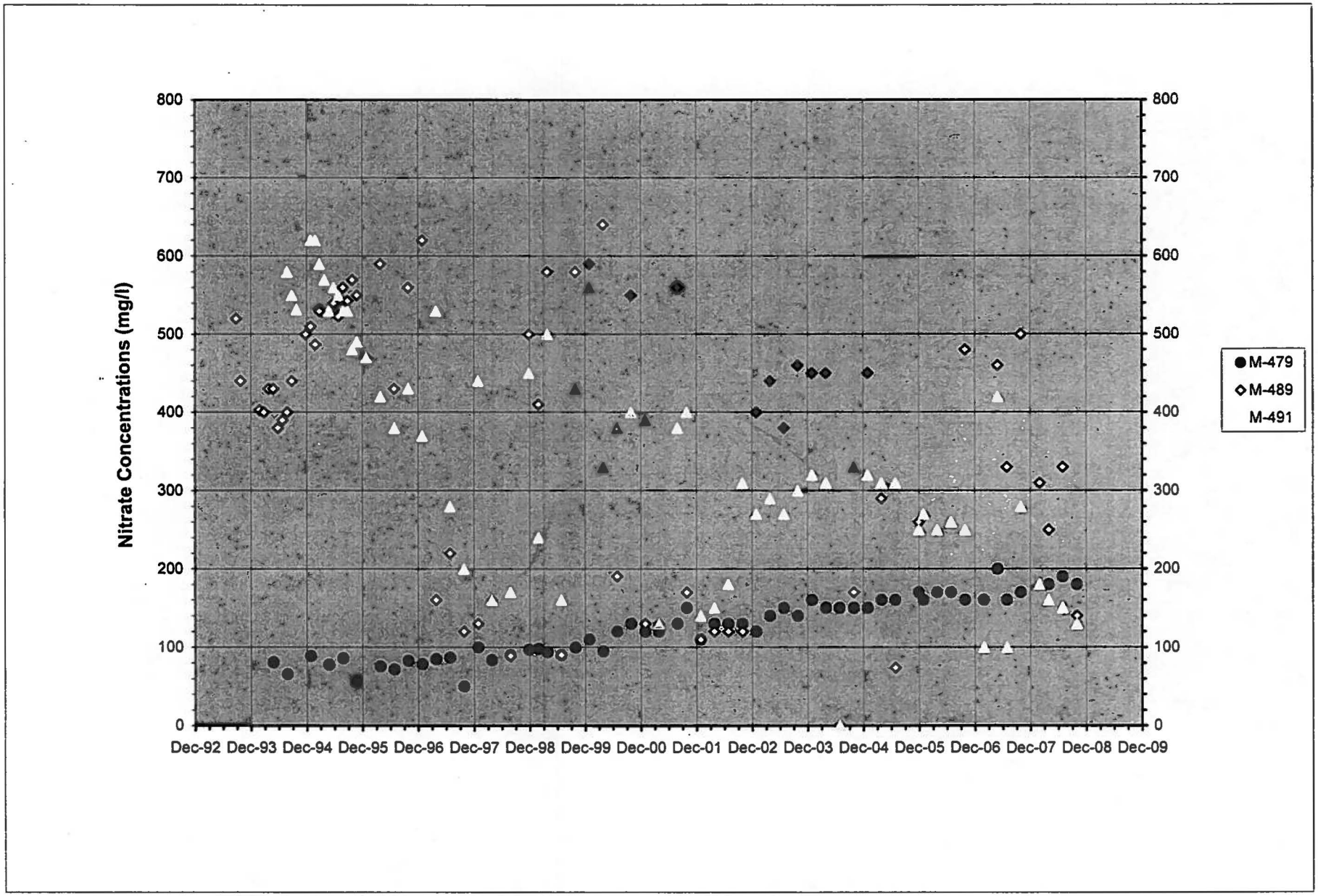


FIGURE 12-NITRATE CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS

highly variable, ranging from lows in the 100 to 200 mg/l range to highs in the 400 to 600 mg/l range. Nitrate concentrations in water from M-491 have generally decreased, from the range of 500 to 600 mg/l in 1994-95 to 100 to 200 mg/l in 2008. Nitrate concentrations in water from M-479 have gradually increased, from an average of about 80 mg/l in 1994-96 to about 180 mg/l in 2008.

Easterly Wells

Figure 13 shows nitrate concentrations in water from M-483. Nitrate concentrations in water from this well have usually ranged from about 80 to 170 mg/l and have been relatively constant since 1992. There was a temporary increase in 2005-06, but then concentrations returned to previously values. Nitrate concentrations in water from M-492 have decreased substantially since extraction from the eastern wells began. Concentrations were usually in the range of 150 to 200 mg/l through 1997, and had decreased to less than 5 mg/l by 2006. Nitrate concentrations in water from M-487 have fluctuated substantially. During 1993-2001, concentrations usually ranged from about 130 to 190 mg/l. Concentrations then fell through 2005 to about 70 to 80 mg/l. After extraction rates for the easterly wells decreased, nitrate concentration ranged from about 100 to over 250 mg/l, and fluctuated significantly. Nitrate concentrations in water from M-484 have largely stayed very stable (usually from 70 to 110 mg/l). Nitrate concentrations in water

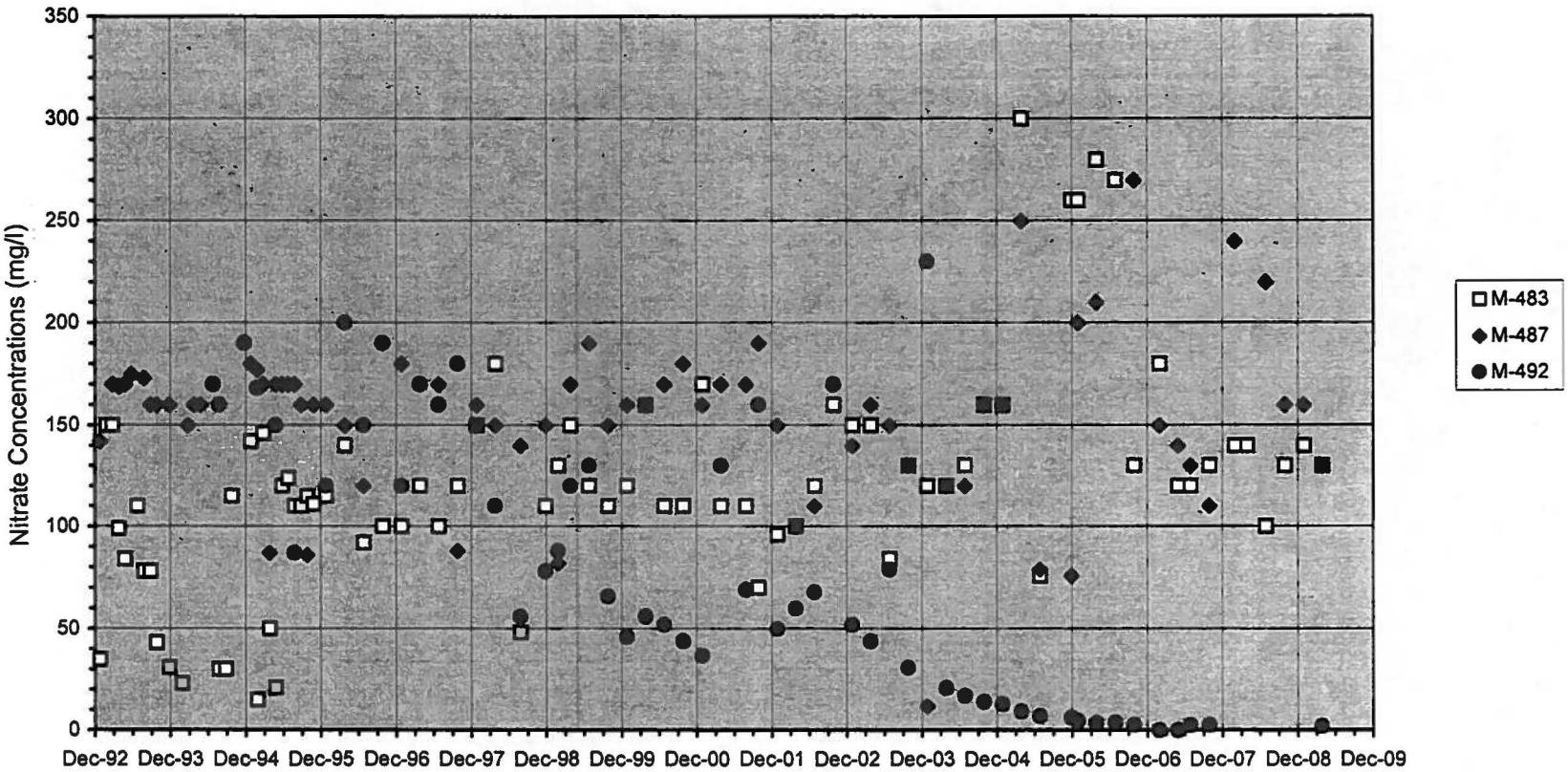


FIGURE 13-NITRATE CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

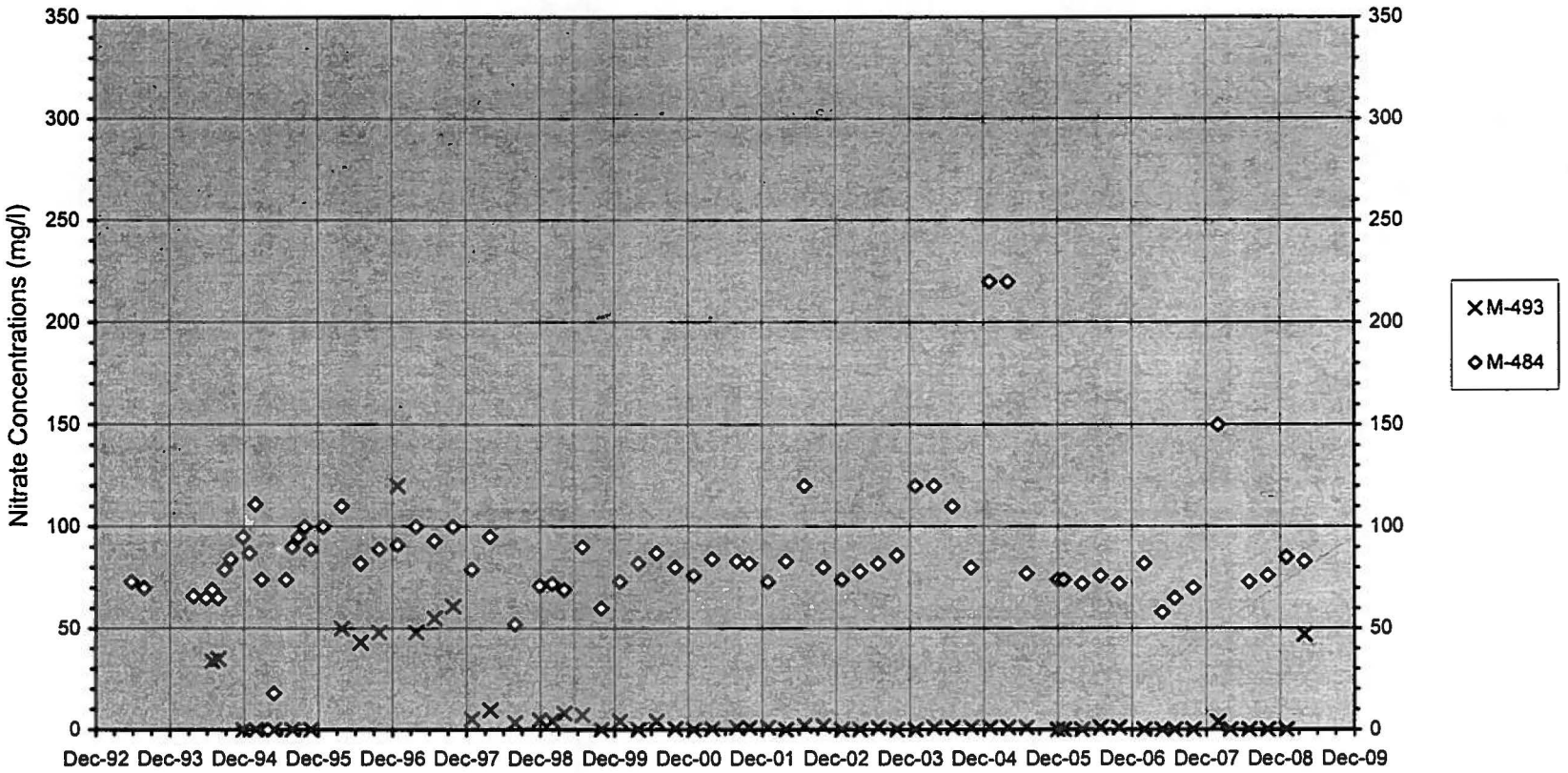


FIGURE 13-NITRATE CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS

from M-493 decreased substantially after easterly extraction well pumpage began, from an average of about 50 mg/l in 1996-97 to less than 5 mg/l after 1997.

Statistical Evaluation

The Regional Board requested an evaluation of the apparent upward trend in hexavalent chromium concentrations in water from M-491, both statistically and non-statistically. The non-statistical evaluation has been previously presented in the section on trends for hexavalent chromium in the westerly wells. For the statistical evaluation, the U. S. Environmental Protection Agency (2000) reference "Guidance for Data Quality Assessment, Practical Methods of Data Analyses" was reviewed, and two methods described therein were used.

The slope of a regression line was first evaluated (Figure 14). Hexavalent chromium concentrations from 1992 through the end of 2008 indicated a downward trend, with R^2=0.11. The high variability in concentrations caused a poor fit. Therefore an additional evaluation was conducted using the Mann-Kendall test. A statistical S was computed, which is the difference between the number of pair wise slopes that are positive minus the number that are negative. If S is a large positive value, then there is evidence of an increasing trend in concentrations. If S is a large negative value, then there is evidence of a decreasing trend in

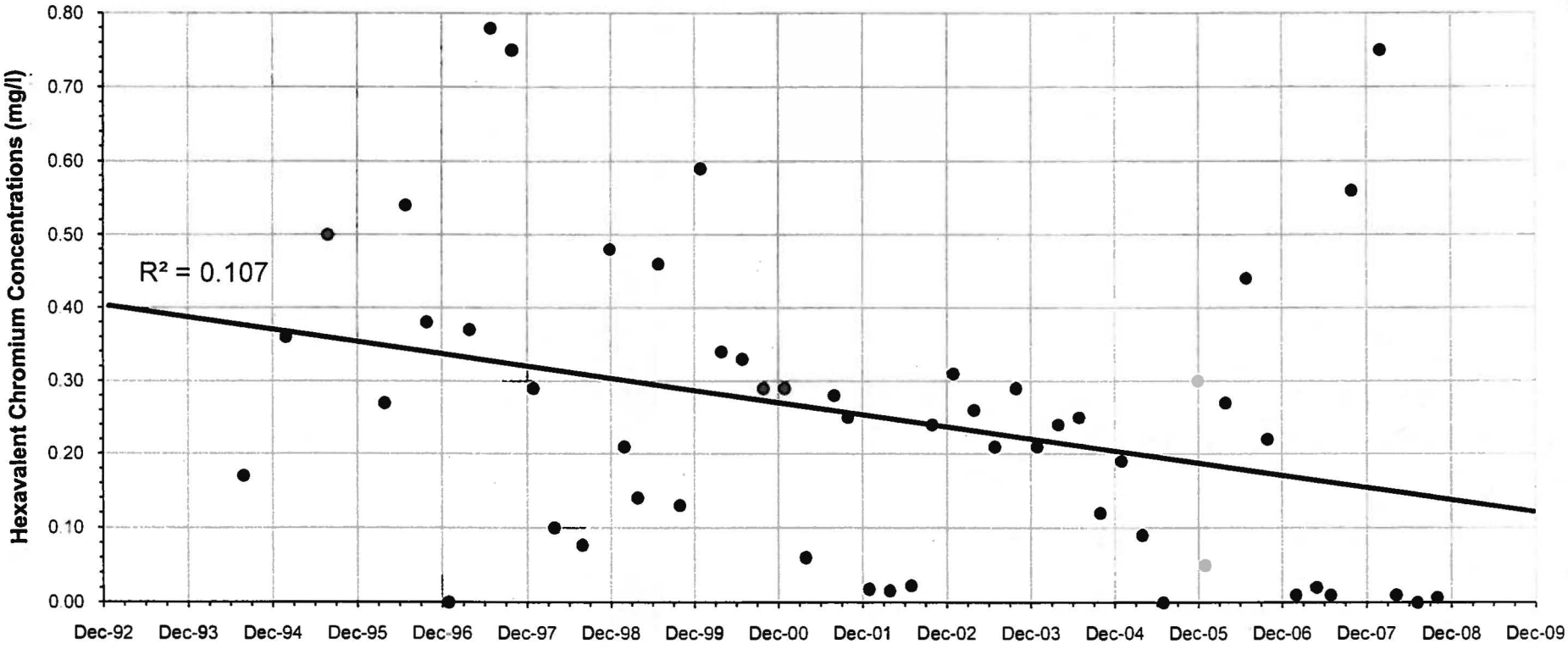


FIGURE 14-REGRESSION LINE EVALUATION OF CHROMIUM CONCENTRATIONS IN WATER FROM M-491

concentrations. The Mann-Kendall test for hexavalent chromium concentrations in water from M-491 between August 1994 and July 2002 indicated a clear downward trend (Z=-2.4). However, hexavalent chromium concentrations for October 2002-April 2009 indicated a Z of -0.9, which means there was not enough evidence to indicate a downward trend after mid-2002.

This statistical evaluation (Appendix B) confirms the previous interpretation. Overall, hexavalent chromium concentrations in M-491 were decreasing as long as the pumpage from the westerly extraction wells exceeded about five acre-feet per year. Once rates fell below about four acre-feet per year, there was substantial variability in hexavalent chromium concentrations. Evidence indicates that some of the higher variability in concentrations was due to water sampling techniques used, in particular the duration of pumping before the water sample was collected for analysis.

Summary

High extraction well pumpage rates were attained during 1995 to 2002, when water levels were at a shallow or moderate depth. During this period, both hexavalent chromium and nitrate concentrations in groundwater significantly decreased. The source of chromium and a source of nitrate were removed by the end of 2003. Extraction rates fell after 2003, to about one third of the previous values. This was largely due to water-level declines associated

with drought conditions. In the easterly area, water levels fell below the base of the alluvial deposits, and water production was possible only from low permeability weathered rock. In the westerly area, declines in water level and plugging of the extraction wells appear to be the reason for the declining production.

POTENTIALLY DOWNGRADIENT SUPPLY WELLS

Information was assembled on supply wells that are potentially downgradient (southeast) of the chromium and nitrate plumes. Sources of data included a recent aerial photograph, California Department of Water Resources records for wells with water-level measurements, and well inventories available for the vicinity. Figure 15 shows the locations of the closest potentially downgradient supply wells to the plumes. There are no such wells within a distance of five miles that are potentially downgradient of the plumes.

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Kenneth D. Schmidt and Associates, 1989, "The Extent of Groundwater Contamination at the California Portland Cement Co. Mojave Plant", report prepared for California Portland Cement Co., Los Angeles, California, 21p.

Kenneth D. Schmidt and Associates, 1990, "Proposed Pilot Project for Groundwater Remediation at the California Portland Cement Co. Mojave Plant", report prepared for California Portland Cement Co., Los Angeles, California, 15p.

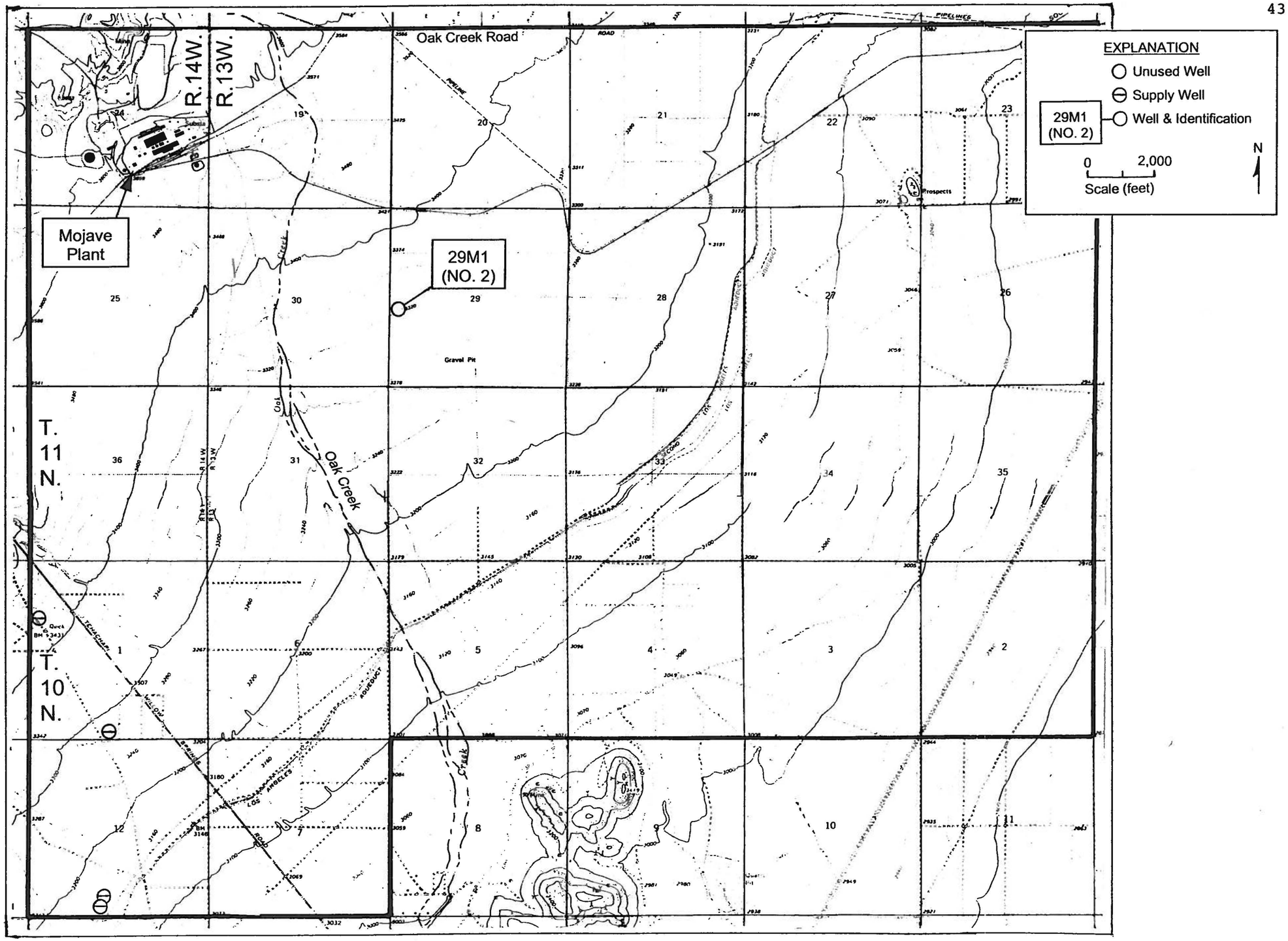


FIGURE 15-LOCATIONS OF WATER SUPPLY WELLS IN THE VICINITY

Kenneth D. Schmidt and Associates, 1992, "Update on Remediation of Contaminated Groundwater at the California Portland Cement Co. Mojave Plant", report prepared for Gresham, Varner, et al, San Bernardino, California, 33p.

Kenneth D. Schmidt and Associates, 1995, "Proposed Remedial Action Plan for Contaminated Groundwater at the California Portland Cement Co. Mojave Plant", report prepared for California Portland Cement Co., Mojave, California, 41p.

APPENDIX A

RESULTS OF 1994 NITRATE EVALUATION

PROPOSED REMEDIAL ACTION PLAN FOR CONTAMINATED GROUNDWATER AT THE CALIFORNIA PORTLAND CEMENT CO. MOJAVE PLANT

Prepared for:

CALIFORNIA PORTLAND CEMENT CO.
Mojave, California

Prepared by:

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Groundwater Quality Consultants
Fresno, California

June 26, 1995

Nitrate Contaminated Groundwater

High nitrate concentrations are present in groundwater in the alluvium both upgradient and downgradient of the former KBDA. At one time, it was believed that the former KBDA could have been a significant source of these high nitrate concentrations. However, nitrate concentrations of about 300 mg/l have been present in water from two monitor wells (M-466 and M-477) that are clearly upgradient of the former KBDA. Also, detailed evaluation of the nitrogen concentrations in waste materials in the former KBDA has indicated that these materials are not a significant source of the high nitrate groundwater. Because of these findings, an investigation was undertaken of nitrate concentrations in groundwater in the upgradient hardrock in December 1994.

The nitrate investigation was conducted under the supervision of Leo Mercy, Registered Geologist, at the Mojave plant. A reverse-circulation rotary rig was used to drill a number of test holes, ranging from about 15 to 240 feet in depth. The holes were drilled along several major lines, generally perpendicular to the direction of groundwater flow. Two of these lines were upgradient of the waste management units, and the remaining holes were generally in the quarried areas. As part of a groundwater resources study at the plant, three wells (M-7, M-8, and M-9) were drilled in the hardrock in November 1993. Table 1 summarizes information on these borings and wells. Depth to water in these borings and wells was measured with an electric sounder and elevations of the measuring points were determined. Water samples

TABLE 1 - INFORMATION ON HOLES USED FOR DECEMBER 1994 NITRATE INVESTIGATION

Hole No	Date Drilled	Approx. Northing	Approx. Easting	Approx. Elevation (Ft)	Depth (Ft)	First Water (Ft)	Static Water Level 12/15/94 (Ft)	Approx. W. L. Elev. (Ft)	N (mg/l)	NO3 (mg/l)	Electrical Conductivity (umho/cm)
NX - 1	12/06/94	555700	1905330	3565	80	59	39.58	3525	50	220	N/M
NX - 2	12/06/94	555550	1905950	3570	80	60	37.60	3532	15	66	N/M
NX - 3	12/06/94	555910	1906100	3550	100	75	45.78	3504	35	154	N/M
NX - 4	12/06/94	556090	1906910	3537	160	77	76.88	3460	25	110	1600
NX - 5	12/07/94	556180	1907300	3529	240	175	132.75	3396	12.5	55	N/M
NX - 6	12/07/94	556610	1903760	3653	80	55	43.87	3609	7	31	2800
NX - 7	12/07/94	556740	1903990	3639	60	38	32.90	3606	6	26	2300
NX - 8	12/08/94	556860	1904410	3632	60	40	N/M		16	70	2000
NX - 9	12/08/94	556930	1904560	3629	80	60	24.81	3604	0.5	2	1500
NX - 10	12/08/94	557050	1904825	3624	100	59	39.52	3584	16.5	73	2000
NX - 11	12/08/94	557170	1905100	3619	240	100	47.00	3572	13	57.2	N/M
NX - 12	12/08/94	557250	1905275	3615	220	198	N/M		0.5	2	2220
NX - 13	12/09/94	557110	1904960	3622	80	66	39.41	3583	95	418	3040
NX - 14	12/09/94	556990	1904690	3626	120	60	22.38	3604	2.5	11	1250
NX - 15	12/09/94	557860	1903220	3739	60	15	7.40	3732	100	440	N/M
NX - 16	12/09/94	558220	1903630	3724	60	35	11.58	3712	2	9	N/M
NX - 17	12/10/94	558330	1903960	3738	80	33	29.90	3708	15.5	68	N/M
NX - 18	12/10/94	558525	1904270	3751	20	15	11.86	3739	14	62	2680
NX - 19	12/10/94	558720	1904700	3704	160	130	111.03	3593	8.5	37	1020
NX - 20	12/10/94	558720	1905000	3649	100	80	55.78	3593	9.5	42	690
NX - 21	12/10/94	558720	1905300	3649	100	88	56.15	3593	0.5	2.2	730
NX - 22	12/11/94	559260	1905610	3609.21	160	38	14.91	3594	18.5	81	1150
NX - 23	12/11/94	559340	1905485	3605	90	N/M	12.00	3593	11	48	1100
NX - 24	12/11/94	557670	1904610	3682	120	105	68.64	3613	5	22	1680
NX - 25	12/11/94	557500	1904000	3700	100	80	62.26	3638	2	9	1950
NX - 26	12/12/94	557740	1902970	3786	120	113	67.92	3718	16	70	1680
NX - 27	12/12/94	559385	1905420	3603.85	100	N/M	9.60	3594	0.5	2	1720
NX - 28	12/13/94	557690	1903620	3732	120	113	76.19	3656	7	31	1520
NX - 29	12/13/94	559195	1903920	3829	140	118	73.51	3755	5	22	2220
NX - 30	12/13/94	558570	1902580	3810	140	120	35.66	3774	1	4	1000
NX - 31	12/13/94	559870	1903330	3790	80	40	28.12	3762	0.5	2.2	1400
NX - 32	12/14/94	556230	1903250	3652	80	65	48.62	3603	4	18	2600
NX - 33	12/14/94	557290	1904570	3685	80	70	51.14	3614	33.5	147	1800
NX - 34	12/14/94	556485	1905470	3560	100	85	16.20	3544	14.5	64	1080
NX - 35	12/14/94	556470	1905840	3559	120	55	25.46	3534	20	88	1100

N/M = No Measurement
Note: NX-22 AND NX-27 elevations are surveyed to Top Of Casing (TOC).

were collected by bailing for nitrate analyses with a Hach field kit. The holes were abandoned after the sampling by backfilling with the drill cuttings.

Prior to discussing the results of the nitrate analyses, two other items are first discussed. These are 1) subsurface geologic conditions, and 2) water-level elevations and the direction of groundwater flow in the hardrock. Previous hydrogeologic evaluations at the Mojave plant presented to the Regional Board on behalf of the California Portland Cement Company have focused on the alluvium. A discussion of the hydrogeologic conditions in the hardrock is necessary, in order to provide sufficient information to properly understand the nitrate distribution in groundwater.

Subsurface Geologic Conditions

Figure 3 is a geologic map of the plant and quarry areas, based on information provided by Leo Mercy. There are three major hardrock units: 1) granitic rocks, 2) limestone, and 3) shale. Granitic rocks underlie all of the limestone and shale units in the area and form the basement rock in the region. Granitic rocks crop out in two primary areas. The largest area is at the north end of the main quarry, where the granitic rock contact with the limestone dips about 45° to the south-southeast. There is another outcrop between the main quarry and the plant site, on the west side of the major northwest trending fault that is shown in Figure 3. Granitic rocks have also been encountered beneath the alluvium in many of the alluvial wells to the south and southeast of the plant.

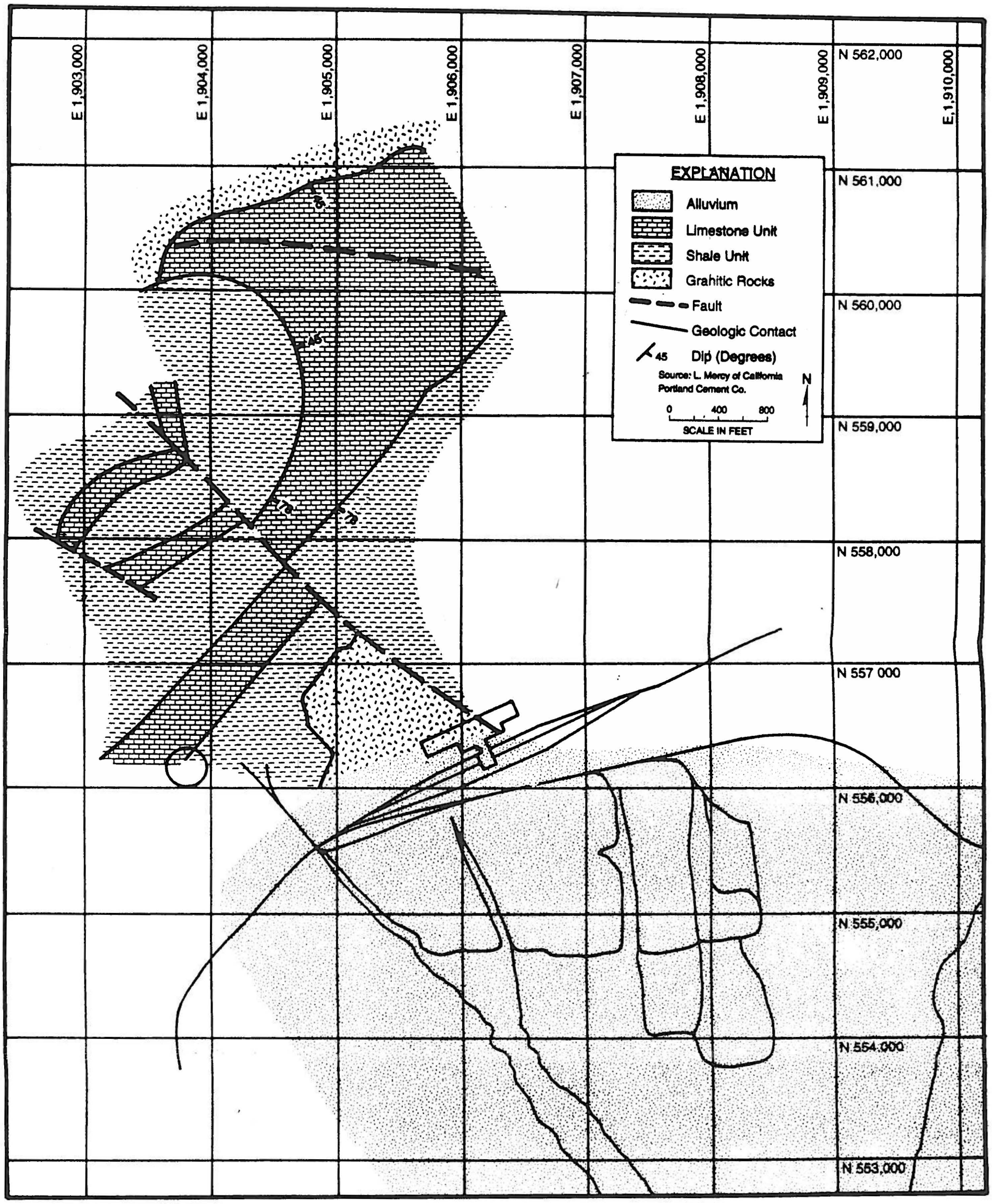


FIGURE 3 - GEOLOGIC MAP

The limestone and shale units are present as a northeast-trending roof pendant, on top of the granitic basement rock. The main limestone unit, in which the quarry is situated, lies between two shale unit outcrops - one to the southeast and the other to the west and southwest. The limestone-shale contact to the southeast is relatively undeformed, striking northeasterly and dipping to the southeast at nearly 80°. To the west, the contact between the west shale and the main limestone unit also dips about 80° to the southeast at the southern end. Farther north along the same contact, the dip flattens to nearly 45° and steepens to nearly vertical at the northern end. These changes in strike and dip toward the north are due to folding and displacements associated with east-west trending faults. To the southwest, the main limestone unit is bounded by a northwest-trending fault. Across the fault to the southwest are a sequence of limestone and shale units that strike northeasterly and dip to the southeast at a steep angle. These rock units and faults influence groundwater movement through the area.

Water Levels

Figure 4 is a water-level elevation contour map for December 1994. This map covers both the hardrock area and the downslope alluvial area. Water-level elevations in the hardrock ranged from more than 3800 feet above mean sea level to the northeast, to less than 3500 feet to the southeast. A southeasterly direction of groundwater flow is indicated in the hardrock, with an average

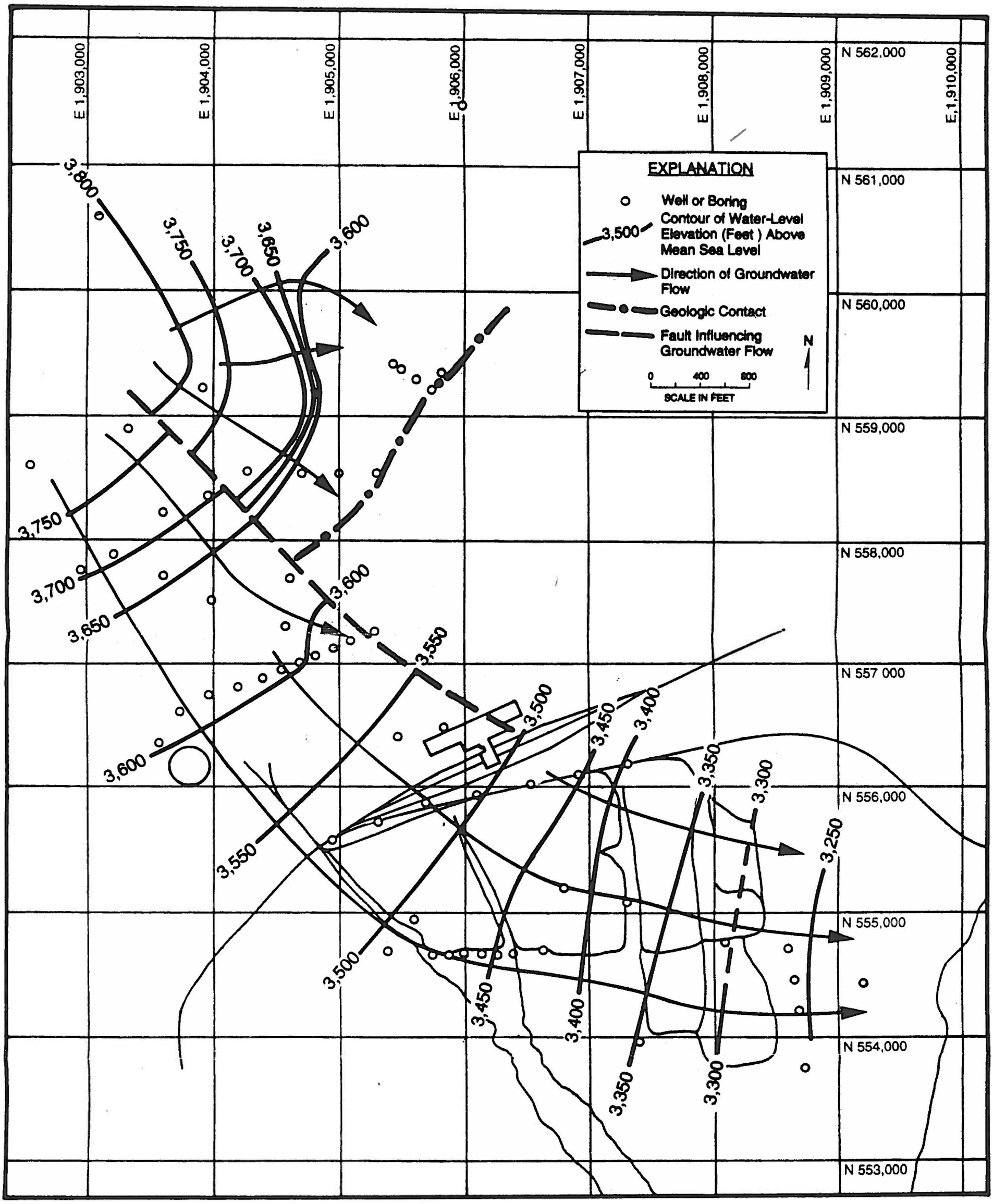


FIGURE 4 - WATER-LEVEL ELEVATION CONTOURS (DECEMBER, 1994)

water-level slope of about 250 to 300 feet per mile. Both lithologic contacts and faults affect groundwater movement in the hardrock. The shale unit along the southeast side of the main pit acts as a barrier to groundwater flow. The barrier influence of the northwest trending fault is clearly shown on groundwater elevations in the hardrock.

In general, water levels in the hardrock are relatively shallow in the shale unit, and much deeper in the limestone unit. This is shown by the closely spaced contours between NX-18 and NX-19. The shale unit is an impediment to groundwater flow, because of its low hydraulic conductivity. The results of aquifer tests indicate that the conductivity of the fractured limestone is much higher than for the other hardrock units. Thus groundwater tends to move through the limestone much more readily than through the granitic rocks or shale unit.

Groundwater in the hardrock is upslope and upgradient of the alluvial deposits, and moves to the southeast and discharges into the alluvium. Most of the groundwater in the alluvium beneath the waste management units at the plant has been derived from groundwater flow from the hardrock to the northwest.

Nitrate Contents

Sampling of groundwater in the hardrock in December 1994 indicated a fairly large area where nitrate concentrations exceeded the MCL. Figure 5 shows nitrate concentrations in groundwater in the hardrock and in the downgradient alluvium to the southeast. Three

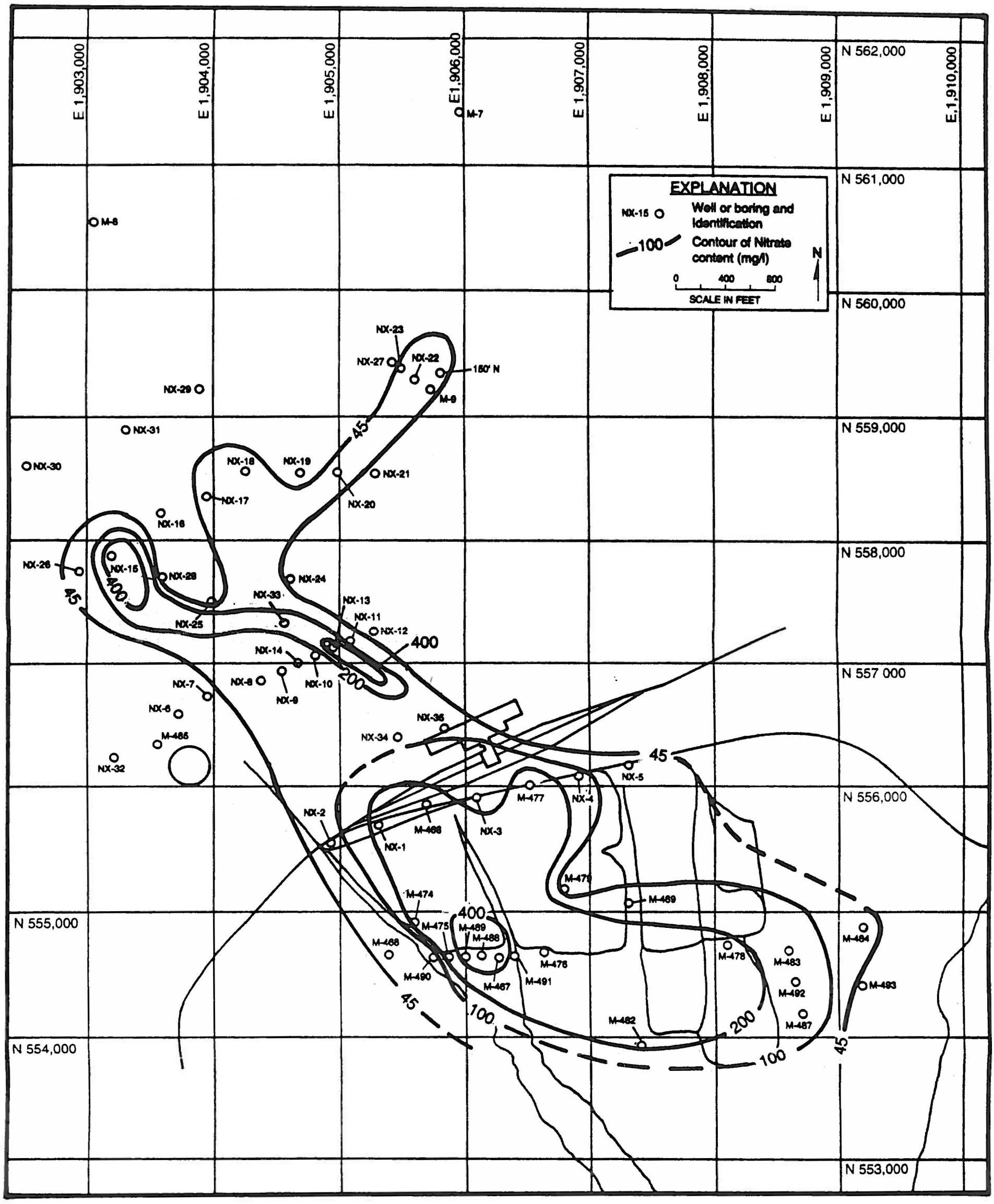


FIGURE 5 - NITRATE CONTENTS IN GROUNDWATER (DECEMBER, 1994)

localized areas of elevated nitrate concentrations (greater than 100 mg/l) are shown. A nitrate concentration of 528 mg/l was found in groundwater that rose to the surface about 100 feet east of NX-15 following the heavy rains in February 1995. A nitrate concentration of 440 mg/l was found in water from NX-15, in the alumina shale pit. The next highest nitrate concentration (418 mg/l) was found in water from NX-13, located in the shale unit just upgradient of the contact with the granitic rocks and adjacent to the northwest-trending fault barrier shown in Figure 4. A nitrate concentration of 147 mg/l was found in water from NX-33, which is in the limestone unit upgradient of NX-13. The fault barrier appears to restrict the migration of the plume to the east in this area. NX-13 and NX-33 are thought to not be in a nitrate source area, but are apparently located in the plume that originated near NX-15. Groundwater at NX-15 apparently migrated to the southeast, easterly of NX-28 and between NX-25 and NX-24, to NX-33, thence southeast to NX-13. A nitrate concentration of 100 mg/l was found in water from M-9, which is located in the limestone just upgradient of the shale unit. Nitrate concentrations exceeding the MCL were also found at NX-17 and NX-18, a location between NX-15 and M-9, at NX-20, southwest of M-9, and at NX-8, southwest of NX-13.

Ammonium nitrate has been the primary blasting agent used in the quarry. When ammonium nitrate was first introduced as a blasting agent in the 1950's and 60's, there were no effective methods of blasting in wet hole conditions. The explosives manufacturers devised a method where ammonium nitrate was enclosed in

a plastic bag that was wrapped with detonating cord and tied to an explosive cast booster. A series of these bag-booster combinations were strung together until a sufficient amount of explosive was accumulated. The bags were then inserted into the hole and positioned beneath the standing water. Unfortunately, the bags tended to float and had to be forced down with wooden poles. This would commonly puncture one or more of the bags, allowing water to enter. Once the bags were in place, the hole was filled with cuttings to the surface and the shot was primed and detonated. The punctured bags probably failed to detonate, since ammonium nitrate prills readily absorb water, which will prevent detonation. The undetonated nitrate would then remain below the water table, in the five-foot depth interval below the subsequent digging level, and nitrate would slowly dissolve into the surrounding groundwater. When water levels dropped during the summer or in times of drought, the nitrate would precipitate due to evaporation and stay in the solid form. If the water levels later rose sufficiently, the nitrate would be redissolved and enter the groundwater. This is the best explanation for the excessive nitrate concentrations in the vicinity of NX-15. The high nitrate area near NX-15 coincides with highly fractured shale and shallow groundwater. The solution to this problem is to remove the upper five feet of shale in the areas where this practice was once used (i.e., in part of the alumina shale pit and part of the regular shale pit).

The area of excessive nitrate concentrations near M-9 on the 3600 level in the bottom of the pit is due to a defective load of

ammonium nitrate emulsion that was delivered and loaded into a shot in early 1991. The shot failed to detonate and had to be redrilled in three sections and reshot. The undetonated nitrate above the digging level would have been removed with the shot rock and used up, but the nitrate in the five-foot depth interval beneath the floor would have remained in place. When water levels rose to the surface of the 3600 level in 1992, the undetonated nitrate would have come in contact with groundwater and begun to dissolve, causing the nitrate contaminated groundwater in that area. The localized nature of the contamination is substantiated by the low nitrate concentrations in water from NX-27, which is separated from M-9 and the 3600-level shot by a significant fault zone. The high nitrate concentrations in the groundwater area near NX 17 and NX-18 coincide with shale and shallow groundwater.

The areas of high nitrate concentrations in groundwater in the hardrock are indicated to be directly upgradient of the area of high nitrate concentrations in groundwater in the alluvium beneath the former KBDA. High nitrate groundwater in the hardrock is indicated to have moved toward a high permeability zone southwest of the major southeast trending fault barrier, thence southeasterly and into the alluvium. Downgradient of the hardrock, where the groundwater discharges into the alluvial deposits, nitrate concentrations exceeded the MCL of 45 mg/l in an area almost one-half mile wide perpendicular to the direction of groundwater flow in December 1994.

NITROGEN CONCENTRATIONS IN SHALE UNIT

Because of the finding of nitrate concentrations exceeding 45 mg/l in groundwater in widespread parts of the hardrock area, an investigation of nitrogen concentrations in the shale unit was undertaken by Leo Mercy in February 1995. Samples of shale were obtained at nine sites. Five samples (NX-designation) were composites of the drill cuttings for the test holes that were previously discussed. Four other samples were taken by excavating into solid undisturbed shale. A sample of a sedimentary rock outcrop was obtained in November 1994. The samples were shipped to E.S. Babcock & Sons, Inc. in Riverside for analyses of nitrogen forms, and the results are summarized in Table 2.

Ammonium-nitrogen concentrations were less than 1 mg/kg, except for the outcrop sample, that had 3.8 mg/kg. Nitrate-nitrogen concentrations ranged from less than 1 to 30 mg/kg. The highest values were for the outcrop (30 mg/kg) and at NX-15 (21 mg/kg). Except for two other samples (HAS-1 and HAS-2), nitrate-nitrogen concentrations were less than 2 mg/kg. Nitrate-nitrogen concentrations above 2 mg/kg are believed to have been influenced by historical blasting practices. At least some of the nitrate-nitrogen could have been derived from groundwater flow through the shale unit.

Kjeldahl-nitrogen concentrations ranged from less than 100 to 190 mg/kg. The highest value (190 mg/kg) was found for the outcrop sample. These results indicate that significant amounts of organic nitrogen are present in the hardrock. According to numerous

TABLE 2 - SUMMARY OF NITROGEN ANALYSES OF SOLID SAMPLES

SAMPLE ID	DATE SAMPLED	ROCK TYPE	LOCATION (Approximate) Northing	Easting	Elevation	NITROGEN FORMS - ANALYTICAL RESULTS (as N) Kjeldahl-N (mg/kg)	Nitrate-N (mg/kg)	Nitrite-N (mg/kg)	Ammonium-N (mg/kg)	Total Chomium (Cr) (mg/kg)
H.A.S.-1	02/28/95	Shale	557,970	1,903,350	3,732	160	10	<1	<1	NA
H.A.S.-2	02/28/95	Shale	558,130	1,903,420	3,727	<100	10	<1	<1	NA
NX-15	02/28/95	Shale	557,860	1,903,220	3,739	140	21	<1	<1	NA
NX-16	02/28/95	Shale	558,220	1,903,630	3,724	140	1.4	<1	<1	NA
NX-18	02/28/95	Shale	558,525	1,904,270	3,751	160	1.8	<1	<1	40
NX-29	02/28/95	Shale	559,195	1,903,920	3,829	<100	1.4	<1	<1	NA
NX-31	02/28/95	Shale	559,870	1,903,330	3,790	120	<1	<1	<1	NA
Outcrop-1	11/15/94	Soft, white, sedimentary (?)	557,660	1,902,320	3,750	190	30	<1	3.8	NA
RS-3775	02/28/95	Shale	558,910	1,904,040	3,783	160	<1	<1	<1	NA
RS-3850	02/28/95	Shale	559,810	1,904,040	3,855	<100	1.4	<1	<1	NA
					PQL =	100	1	1	1	10

ND = Not Detected at Practical Quantitation Limit (PQL)
NA = Not Analyzed

SAMPLE ID	NITROGEN FORMS - ANALYTICAL RESULTS (Converted) Kjeldahl-N (mg/kg)	Nitrate-NO3 (mg/kg)	Nitrite-NO2 (mg/kg)	Ammonium-NH4 (mg/kg)	Total Chomium (Cr) (mg/kg)
H.A.S.-1	160	44	<4.4	<4.4	NA
H.A.S.-2	<100	44	<4.4	<4.4	NA
NX-15	140	93	<4.4	<4.4	NA
NX-16	140	6.2	<4.4	<4.4	NA
NX-18	160	8.0	<4.4	<4.4	40
NX-29	<100	6.2	<4.4	<4.4	NA
NX-31	120	<4.4	<4.4	<4.4	NA
Outcrop-1	190	133	<4.4	4.9	NA
RS-3775	160	<4.4	<4.4	<4.4	NA
RS-3850	<100	6.2	<4.4	<4.4	NA

publications in the literature, this nitrogen could be oxidized to nitrate under oxidizing conditions. The relatively high ammonia and nitrate-nitrogen concentrations in the rock outcrop west of the quarry indicate that substantial amounts of nitrate could be introduced to the groundwater. This would be particularly true in areas where the shale unit is or has been below the groundwater level, or along highly fractured areas above the water table, where infiltrated rainfall or overland flow could migrate.

An examination of the results of the groundwater and solids sampling indicates that nitrate concentrations above about 60 mg/l in groundwater in the shale unit have been influenced by historical blasting practices. Nitrate concentrations below that level may have been contributed primarily from the native nitrogen in the shale unit and possibly other sedimentary rock units. Examination of Figures 3 and 4 indicates that before groundwater in the hard-rock enters the alluvium, it would normally have to pass through at least some of the shale unit.

WATER QUALITY MONITORING PROGRAM

The primary medium to be addressed in the monitoring program associated with this CAP is the groundwater. According to the regulations this associated monitoring is to be consistent with regulations for an evaluation monitoring program. The major items in the program include monitoring points, sampling frequency, sample collection procedures, sample preservation and shipment, analytical procedures, and chain of custody control. An appro-

APPENDIX B

MANN-KANDAL STATISTICAL EVALUATION OF HEXAVALENT CHROMIUM CONCENTRATIONS IN WATER FROM M-491

1st Trend (Aug. '94 – July '02)

Step 1	0.17	0.36	0.50	0.27	0.54	0.38	0.00	0.37	0.78	0.75	0.29	0.10	0.08	0.48	0.21	0.14	0.46	0.13	0.59	0.34	0.33	0.29	0.29	0.00	0.28	0.25	0.02	0.02	0.02	Total (+) sign	Total (-) sign
0.17		1	1	1	1	1	-1	1	1	1	1	-1	-1	1	1	-1	1	-1	1	1	1	1	1	-1	1	1	-1	-1	-1	19	9
0.36			1	-1	1	1	-1	1	1	1	-1	-1	-1	1	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	9	18
0.50				-1	1	-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4	22
0.27					1	1	-1	1	1	1	1	-1	-1	1	-1	-1	1	-1	1	1	1	1	1	-1	1	-1	-1	-1	-1	14	11
0.54						-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	3	21
0.38							-1	-1	1	1	-1	-1	-1	1	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5	18
0.00								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	0
0.37									1	1	-1	-1	-1	1	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5	16
0.78										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	20
0.75											-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	19
0.29												-1	-1	1	-1	-1	1	-1	1	1	1	0	0	-1	-1	-1	-1	-1	-1	5	11
0.10													-1	1	1	1	1	1	1	1	1	1	1	-1	1	1	-1	-1	-1	12	5
0.08														1	1	1	1	1	1	1	1	1	1	-1	1	1	-1	-1	-1	12	4
0.48															-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	14
0.21																-1	1	-1	1	1	1	1	1	-1	1	1	-1	-1	-1	8	6
0.14																	1	-1	1	1	1	1	1	-1	1	1	-1	-1	-1	8	5
0.46																		-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	11
0.13																			1	1	1	1	1	-1	1	1	-1	-1	-1	7	4
0.59																				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	10
0.34																					-1	-1	-1	-1	-1	-1	-1	-1	-1	0	9
0.33																						-1	-1	-1	-1	-1	-1	-1	-1	0	8
0.29																							0	-1	-1	-1	-1	-1	-1	0	6
0.29																								-1	-1	-1	-1	-1	-1	0	6
0.06																									1	1	-1	-1	-1	2	3
0.28																										-1	-1	-1	-1	0	4
0.25																											-1	-1	-1	0	3
0.02																												-1	1	1	1
0.02																													1	1	0
0.02																													Sum	139	264

Step 2 S ((sum of + signs)-(sum of - signs)) = 139-264 = -125 negative

Step 3 g (number of tied group) = 2 (at 0.02 and 0.29) $n = 29$
t1 = 3 (for 0.02)
t2= 3 (for 0.29)

V(S) = 2842 - 132 = 2710 $V(S) = \frac{n(n-1)(2n+5)}{18} = \frac{29(29-1)[(2)(29)+5]}{18} = \frac{(841-29)(58+5)}{18} = \frac{(812)(63)}{18} = \frac{51156}{18} = 2842$

Step 4 Since S is negative: Z = -2.4 $Z = (S+1) \div [V(S)]^{1/2} = (-125+1) \div [2710]^{1/2} = (-124) \div (52.1) \doteq 2.4$

Step 5 Z<0 and the absolute value of $Z > z_{1-\alpha}$ (2>1.645). Where $\alpha = 0.05$ (95% of normal distribution)

Therefore, there is enough evidence to determine that there is a DOWNWARD trend

$$V(S) = \frac{n(n-1)(2n+5)}{18} - \sum_{p=1}^{2} W_p (W_p - 1)(2W_p + 5) = 2842 - \left[3(3-1)[(2)(3)+5] + 3(3-1)[(2)(3)+5]\right]$$

$$= 2842 - [3 \times 2 \times 11] + [3 \times 2 \times 11] = 2842 - [66 + 66]$$

$$= 2842 - 132 = 2710$$

2nd Trend (Oct. '02 - April '09)

Step 1

	0.24	0.31	0.26	0.21	0.29	0.21	0.24	0.25	0.12	0.19	0.09	0.00	0.30	0.05	0.27	0.44	0.22	0.01	0.02	0.01	0.56	0.75	0.01	0.00	0.01	0.43	0.83	Total (+) sign	Total (-) sign
0.24		1	1	-1	1	-1	0	1	-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	11	14
0.31			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	5	20
0.26				-1	1	-1	-1	-1	-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	16
0.21					1	0	1	1	-1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	11	11
0.29						-1	-1	-1	-1	-1	-1	-1	1	-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	6	16
0.21							1	1	-1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	10	11
0.24								1	-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	12
0.25									-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	7	12
0.12										1	-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	9	9
0.19											-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	9
0.09												-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	8
0.00													1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	14	0
0.30														-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	5	9
0.05															1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	7	6
0.27																1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	5	7
0.44																	-1	-1	-1	-1	1	1	-1	-1	-1	-1	1	3	8
0.22																		-1	-1	-1	1	1	-1	-1	-1	1	1	4	6
0.01																			1	0	1	1	0	-1	-1	1	1	5	2
0.02																				-1	1	1	-1	-1	-1	1	1	4	4
0.01																					1	1	0	-1	-1	1	1	4	3
0.56																						1	-1	-1	-1	-1	1	2	4
0.75																							-1	-1	-1	-1	1	1	4
0.01																								-1	-1	1	1	2	2
0.00																									1	1	1	3	0
0.01																										1	1	2	0
0.43																											1	1	0
																									SUM		153	193

Step 2 S ((sum of + signs)-(sum of - signs)) = 153-193= -40

Step 3 g (number of tied group) = 4 (at 0.00; 0.01; 0.21 and 0.24)
t1 = 2 (for 0.00) t3 = 2 (for 0.21)
t2= 4 (for 0.01) t4= 2 (for 0.24)

V(S) = 2301 - 210 = 2091

Step 4 Since S is negative: Z = -0.9

Step 5 Z<0, but the absolute value of $Z<z_{1-\alpha}$ (0.9 < 1.645). Where $\alpha = 0.05$ (95% of normal distribution)
Therefore, there is NOT enough evidence to conclude that there is a trend

APPENDIX B

Water Supply Well Completion Report (California DWR, accessed 2024)

DUPLICATE-
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 6
(Insert appropriate number)

Tehachapi

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

11N/14W-14

Do Not Fill In
No. 11271 11

State Well No.

Other Well No.

WELL 6

(2) LOCATION OF WELL:

County Kern Owner's number, if any— Well #11

R. F. D. or Street No. Between Oak Creek streambed and County road, 1,582.28' west and 189.22' south of NE corner Sec 14, Twp 11-N Range 14-West SBB&M.

(3) TYPE OF WORK (*check*):

New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐

If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):

Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:

Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:

SINGLE ☐ DOUBLE ☒ 2-X-134

From ft.	to ft.	Diam.	Gage or Wall
0	64'	16"	No. 10 gauge double

Type and size of shoe or well ring X

Describe joint

If gravel packed

Diameter of Bore	from ft.	to ft.
X		

Size of gravel:

(7) PERFORATIONS:

Type of perforator used Moss Hydraulic 11 25-15

Size of perforations 1/4 in., length, by 1-1/2 in.

From ft.	to ft.	Perf. per row	Rows per ft.
20	46	8	4 24

(8) CONSTRUCTION:

Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth ft.

Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft.	to ft.

Method of Sealing

(9) WATER LEVELS:

Depth at which water was first found 25 ft.

Standing level before perforating 20 ft.

Standing level after perforating 12 ft.

(10) WELL TESTS:

Was a pump test made? ☒ Yes ☐ No If yes, by whom?

Yield: 590 gal./min. with 16 ft. draw down after 836 hrs.

Temperature of water Was a chemical analysis made? ☐ Yes ☐ No

Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:

Total depth 64 ft. Depth of completed well 64 ft.

Formation: *Describe by color, character, size of material, and structure.*

0	ft. to	5	ft. Sand
5	"	25	" Sand and boulders
25	"	50	" Sand and gravel 6"
50	"	64	" Limestone

MICROFILMED

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

CONFIDENTIAL Water Code Section 7076.1,

Work started 4-22-54 19 , Completed 4-30-54 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME Roscoe Moss Company 302
(Person, firm, or corporation) *(Typed or printed)*

Address 4360 Worth Street, Los Angeles, Calif.

[SIGNED] A. A. Barney Secretary
Well Driller

License No. 624 Dated 7-23-54, 19

95689 3-54 50M QUIN ® SPO

DWR FORM NO. 246 (REV. 3-54)

Tehachapi

11N/14W-8C

PLICATE
File Original, Duplicate and Triplicate with the
REGIONAL WATER POLLUTION
CONTROL BOARD No. 6
(Insert appropriate number)

WATER WELL DRILLERS REPORT
(Sections 7076, 7077, 7078, Water Code)

STATE OF CALIFORNIA

Do Not Fill In
No. 11270 /3

State Well No.
Other Well No.

Well 5

(2) LOCATION OF WELL:
County Kern Owner's number, if any— Well #8
R. F. D. or Street No. Between Oak Creek streambed and County road, 2,013.19' west and 293.14' south of NE corner Sec 14, Twp 11-N Range 14-West SBB&M

(3) TYPE OF WORK (*check*):
New well ☒ Deepening ☐ Reconditioning ☐ Abandon ☐
If abandonment, describe material and procedure in Item 11.

(4) PROPOSED USE (*check*):
Domestic ☐ Industrial ☒ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

(5) EQUIPMENT:
Rotary ☐
Cable ☒
Dug Well ☐

(6) CASING INSTALLED:
SINGLE ☐ DOUBLE ☒ 2-X-134 Gage or Wall

From ft.	to ft.	Diam.	
0	80'	16"	No. 10 gauge double

If gravel packed

Diameter of Bore	from ft.	to ft.

Type and size of shoe or well ring X
Describe joint
Size of gravel:

(7) PERFORATIONS:
Type of perforator used Moss Hydraulic 11-25-16
Size of perforations 1/4 in., length, by 1-5/8 in.

From ft.	to ft.	Perf. per row	Rows per ft.
30	60	8 per 4 inches	
		24	

(8) CONSTRUCTION:
Was a surface sanitary seal provided? ☐ Yes ☐ No To what depth X ft.
Were any strata sealed against pollution? ☐ Yes ☐ No If yes, note depth of strata

From ft.	to ft.

Method of Sealing

(9) WATER LEVELS:
Depth at which water was first found 40 ft.
Standing level before perforating 35 ft.
...g level after perforating ft.

(10) WELL TESTS:
Was a pump test made? ☐ Yes ☐ No If yes, by whom?
Yield: 305 gal./min. with 20 ft. draw down after 915 hrs.
Temperature of water Was a chemical analysis made? ☐ Yes ☐ No
Was electric log made of well? ☐ Yes ☐ No

(11) WELL LOG:
Total depth 84 ft. Depth of completed well 84 ft.
Formation: *Describe by color, character of material, and structure.*

ft. to	ft.	
0	8	Top soil
8	62	Sand and gravel 2"
62	80	Blue clay
80	84	Granite

MICROFILMED

CONFIDENTIAL - NOT FOR PUBLIC RELEASE

CONFIDENTIAL Section 7076.1, Water Code

Work started 4-2-54 19 , Completed 4-11-54 19

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.
NAME Roscoe Moss Company 302
(Person, firm, or corporation) (*Typed or printed*)
Address 4360 Worth Street,
Los Angeles, California.
[SIGNED] R. O. Russell Secretary.
(*Well Driller*)
License No. 624 Dated 7-23-54, 19

95689 3-54 50M QUIN ® SPO

DWR FORM NO. 246 (REV. 3-54)

Quarry Well R4-WE1

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0091896

Page 1 of 1

Owner's Well Number

Date Work Began 04/06/2009 Date Work Ended 5/22/2009

Local Permit Agency Kern County Environmental Health Department

Permit Number WP11569 Permit Date 1/14/09

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Air Drilling Drilling Fluid Bentonite mud

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
0	32	Fractured limestone
32	82	Sandstone
82	102	Fine sand and sandstone
102	122	Fine to coarse sand with pieces of sandstone
122	162	Fine sand with rock and sandstone
162	192	Fine sand with soft and hard sandstone
192	202	Fine sand
202	222	Fine sand with some sandstone
222	242	Fine sand and sandstone (20-feet of hard sandstone)
242	262	Fine sand with with sandstone
262	272	Fine and sandstone with some hard white clay
272	302	Fine to medium sand with sandstone
302	362	Fine sand, sandstone, and limestone
362	442	Fine to medium sand with sandstone and limestone

Total Depth of Boring 442 Feet

Total Depth of Completed Well 440 Feet

Well Owner

Well Location

Address 9350 Oak Creek Road

City Mojave County Kern

Latitude 35 (Deg.) 2 (Min.) 9.456 (Sec.) N Longitude 118 (Deg.) 18 (Min.) 57.2034 W (Sec.)

Datum WGS84 Decimal Lat. 35.03596 Decimal Long. 118.31589

APN Book 237 Page 073 Parcel 01

Township 11N Range 14W Section 24

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

West SEE ATTACHED MAP East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

◉ New Well
○ Modification/Repair
○ Deepen
○ Other
○ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

○ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☐ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
◉ Other Dewatering

Water Level and Yield of Completed Well

Depth to first water 112 (Feet below surface)

Depth to Static Water Level 112 (Feet) Date Measured 05/07/2009

Estimated Yield * 100 (GPM) Test Type Constant Rate

Test Length 6.0 (Hours) Total Drawdown 185 (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)
0	180	12.25	Solid	A53B	.250	8.63		
180	440	12.25	Perforated	A53B	.250	8.63	Milled Slots	0.080

Annular Material

Depth from Surface Feet	to Feet	Fill	Description
0	50	Cement	10-sack
50	440	Filter Pack	1/4 x 10 gravel

Attachments

☐ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☑ Other Map

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Rottman Drilling Co

Person, Firm or Corporation

46471 N. Division Street Lancaster CA 93535

Address City State Zip

Signed [signature] 5/27/09 316599

C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

08/04/09 08/04/09

Quarry Well R4-WE2

ORIGINAL
File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in
No. 263224

Notice of Intent No. _____
Local Permit No. or Date _____

State Well No. _____
Other Well No. _____

(12) WELL LOG: Total depth 162 ft. Completed depth 162 ft.
from ft. | to ft. | Formation (Describe by color, character, size or material)

from ft.	to ft.	Formation
0	70	YELLOW ROCK
70	75	YELLOW SAND
75	78	WHITE LIME STONE
78	80	MOIST YELLOW SAND
80	110	YELLOW ROCK
110	115	BREAK (WATER)
115	140	WHITE LIME STONE
140	142	BREAK (WATER)
142	162	WHITE LIME STONE

(2) LOCATION OF WELL (See instructions):
County KERN Owner's Well Number _____
Well address if different from above _____
Township 11N Range 14W Section 24M
Distance from cities, roads, railroads, fences, etc. _____

(3) TYPE OF WORK:
New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:
Domestic ☐
Irrigation ☐
Industrial ☒
Test Well ☐
Municipal ☐
Other ☐

WELL LOCATION SKETCH

(5) EQUIPMENT:
Rotary ☒ Reverse ☐
Cable ☐ Air ☒
Other ☐ Bucket ☐

(6) GRAVEL PACK:
Yes ☒ No ☐ Size 3/8
Diameter of bore 10"
Packed from 20 ft. to 162 ft.

(7) CASING INSTALLED:
Steel ☒ Plastic ☐ Concrete ☐

From ft.	To ft.	Dia. in.	Gage or Wall
0	162	6	156

(8) PERFORATIONS:
Type of perforation or size of screen

From ft.	To ft.	Slot size
62	162	Y8

(9) WELL SEAL:
Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.
Were strata sealed against pollution? Yes ☐ No ☐ Interval _____ ft.
Method of sealing CEMENT

(10) WATER LEVELS:
Depth of first water, if known 115 ft.
Standing level after well completion 50 ft.

(11) WELL TESTS:
Was well test made? Yes ☒ No ☐ If yes, by whom? DRILLER
Type of test Pump ☐ Bailer ☐ Air lift ☒
Depth to water at start of test _____ ft. At end of test _____ ft.
Discharge 60 gal/min after 6 hours Water temperature _____
Chemical analysis made? Yes ☐ No ☒ If yes, by whom? _____
Was electric log made Yes ☐ No ☒ If yes, attach copy to this report

Work started FEB 7 1990 Completed FEB 9 1990

WELL DRILLER'S STATEMENT:
This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief

Signed _____ (Well Driller)
NAME BATSON DRILLING SERVICE (Person, firm, or corporation) (Typed or printed)
Address P.O. BOX 901238
City PALMDALE ZIP 93590
License No. 358831 Date of this report 1-2-90

DWR 188 (REV. 12-86) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM 86 96355

CONFIDENTIAL NOT FOR PUBLIC USE WATER CODE SEC. 13752

Solar Well B9

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in

No. 067838

State Well No.

Other Well No.

Notice of Intent No. 141958

Permit No. or Date C-771

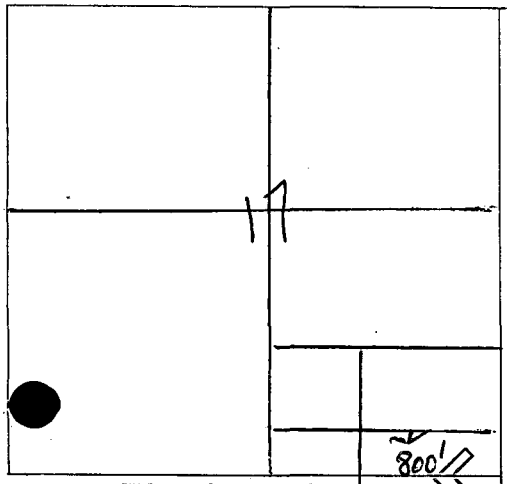
(2) LOCATION OF WELL (See instructions):

County Kern Owner's Well Number

Well address if different from above Oak Creek Canyon

Township T11N Range R14W Section 17

Distance from cities, roads, railroads, fences, etc.



WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well ☒ Deepening ☐
Reconstruction ☐
Reconditioning ☐
Horizontal Well ☐
Destruction ☐ (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic ☐
Irrigation ☐
Industrial ☑
Test Well ☐
Stock ☑ 150' LINE
Municipal ☐
Other ☐

(5) EQUIPMENT:

Rotary ☑ Reverse ☐
Cable ☐ Air ☐
Other ☐ Bucket ☐

(6) GRAVEL PACK:

Yes ☐ No ☑ Size

Diameter of bore 9 7/8

Packed from to ft.

(7) CASING INSTALLED:

Steel ☒ Plastic ☐ Concrete ☐

(8) PERFORATIONS: Mill Cut

Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	51	Conductor	10 5/8			
0	86½	85/8	.188	46	86½	.100X2½

(9) WELL SEAL:

Was surface sanitary seal provided? Yes ☒ No ☐ If yes, to depth 50 ft.

Were strata sealed against pollution? Yes ☐ No ☐ Interval ft.

Method of sealing Concrete

(10) WATER LEVELS:

Depth of first water, if known Flowing ft.

Standing level after well completion -0- ft.

(11) WELL TESTS:

Was well test made? Yes ☒ No ☐ If yes, by whom? Rottman Drlg.

Type of test Pump ☐ Bailer ☒ Air lift ☐

Depth to water at start of test ft. At end of test ft.

Discharge 30 gal/min after 6 hours Water temperature

Chemical analysis made? Yes ☐ No ☒ If yes, by whom?

Was electric log made? Yes ☐ No ☒ If yes, attach copy to this report

(12) WELL LOG:

Total depth 86½ ft. Depth of completed well 86½ ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	7	Top Soil
7	30	Fine to coarse sand
30	38	Sand & Gravel
38	46	Sand & Gravel
46	49	Silt & Sand
49	55	Silt & Fine to Med. Sand
55	58	Silt
58	65	Med. to Coarse Sand
65	73	#3 Gravel W/20% Coarse Sand
73	78	Med. to Coarse Sand
78	83	Coarse Sand & #3 & #4 Gravel
83	86½	Granite

Work started 10-6 19 81 Completed 10-16 19 81

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED (Well Driller)

NAME Rottman Drilling Co. (Person, firm, or corporation) (Typed or printed)

Address 121 West Ave. I

City Lancaster, Ca. Zip 93534

License No. 316599 Date of this report 10-29-81

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

NOT FOR PUBLIC USE
ONLY
SOLAR WATER WELL SEC. 19752

ORIGINAL

File with DWR

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in
No. 160976

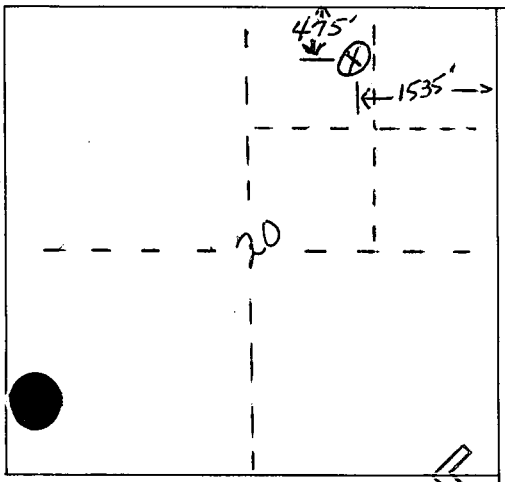
[redacted] of Intent No. 147261
[redacted] Permit No. or Date 12/11/86

State Well No.
Other Well No.

Solar Well B2

(2) LOCATION OF WELL (See instructions):

County Kern Owner's Well Number B-9
Well address if different from above Oak Creek Canyon
Township 11N Range 14W Section 20
Distance from cities, roads, railroads, fences, etc. 8 miles south of Tehachapi 2 miles south west of Tehachapi-Willow Springs Road in Oak Creek Canyon



WELL LOCATION SKETCH

(3) TYPE OF WORK:

New Well [X] Deepening [ ]
Reconstruction [ ]
Reconditioning [ ]
Horizontal Well [ ]
Destruction [ ] (Describe destruction materials and procedures in Item 12)

(4) PROPOSED USE:

Domestic [ ]
Irrigation [ ]
Industrial [ ]
Test Well [ ]
Stock [X]
Municipal [ ]
Other observation [X]

(5) EQUIPMENT:

Rotary [X] Reverse [ ]
Cable [ ] Air [ ]
Other [ ] Bucket [ ]

(6) GRAVEL PACK: Monterey sand

Yes [X] No [ ] Size 6 x 12
Diameter of bore 11 5/8"
Packed from 0 to 96 ft.

(7) CASING INSTALLED:

Steel [X] Plastic [ ] Concrete [ ]

(8) PERFORATIONS:

Johnson irrigator screen
Type of perforation or size of screen

From ft.	To ft.	Dia. in.	Gage or Wall	From ft.	To ft.	Slot size
0	57	12 3/4	.250	(conductor)		
0	61	6 5/8	.188	61	91	.060
91	96	6 5/8	.188			

(9) WELL SEAL:

Was surface sanitary seal provided? Yes [X] No [ ] If yes, to depth 55 ft.
Were strata sealed against pollution? Yes [ ] No [X] Interval ft.
Method of sealing

(10) WATER LEVELS:

Depth of first water, if known ft.
Standing level after well completion ft.

(11) WELL TESTS:

Was well test made? Yes [ ] No [X] If yes, by whom?
Type of test Pump [ ] Bailer [ ] Air lift [ ]
Depth to water at start of test ft. At end of test ft
[redacted] harge gal/min after hours Water temperature
[redacted] ical analysis made? Yes [ ] No [X] If yes, by whom?
Was electric log made? Yes [ ] No [X] If yes, attach copy to this report

(12) WELL LOG:

Total depth 97 ft. Depth of completed well 96 ft.

from ft.	to ft.	Formation (Describe by color, character, size or material)
0	2	Brown silty sand (SM) medium grained
2	49	Light brown sand (SP) medium to coarse grained w/gravel, cobbles & boulders
49	56	Light brown sandy gravel (GW) w/cobbles
56	58	Gray-brown sandy silt (ML) w/clay
58	67	Brown gravelly sand (SP) medium to coarse grained
67	78	Brown sandy gravel (GW) w/boulders and gray clay
78	85	Gray-brown gravelly sand (SP) medium to coarse grained w/cobbles.
85	91	Gray sandy gravel (GW) with cobbles & boulders
91	97	Light gray sandy clay (CL) fault gouge

Work started 1/5 19 87 Completed 1/19 19 87

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

SIGNED Larry W. Rottman, President
NAME Rottman Drilling Co. (Person, firm, or corporation) (Typed or printed)
Address 46471 N. Division
City Lancaster, CA Zip 93534
License No. 316599 Date of this report 2/11/87

DWR 188 (REV. 7-76) IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Big Meadow 5

*The free Adobe Reader may be used to view and complete this form. However, software must be purchased to complete, save, and reuse a saved form.

File Original with DWR E log (Included)

Page 1 of 1

Owner's Well Number Big Meadow #1

Date Work Began 08/13/2013 Date Work Ended 11/7/2013

Local Permit Agency Kern County Enviormental Health Dept.

Permit Number WP 14397 Permit Date 8/1/13

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. e0192435

DWR Use Only – Do Not Fill In

State Well Number/Site Number

N W

Latitude Longitude

APN/TRS/Other

Geologic Log

Orientation ◉ Vertical ○ Horizontal ○ Angle Specify

Drilling Method Direct Rotary Drilling Fluid Bentonite mud

Depth from Surface Feet	to Feet	Description Describe material, grain size, color, etc
0	30	Silty fine sand with gravel
30	40	Silty clay with sand and gravel
40	70	Fine to coarse sand
70	80	Fine to coarse sand with clay streaks
80	100	Silt and fine sand
100	110	Silt and fine sand with some gravel
110	125	Brown silty clay
125	200	Fine to coarse sand and gravel

Total Depth of Boring 200 Feet

Total Depth of Completed Well 190 Feet

Well Owner

Well Location

Address Oak Creek Canyon

City Tehachapi County Kern

Latitude 35 Deg. 1 Min. 18 Sec. N Longitude 118 Deg. 25 Min. 19 Sec. W

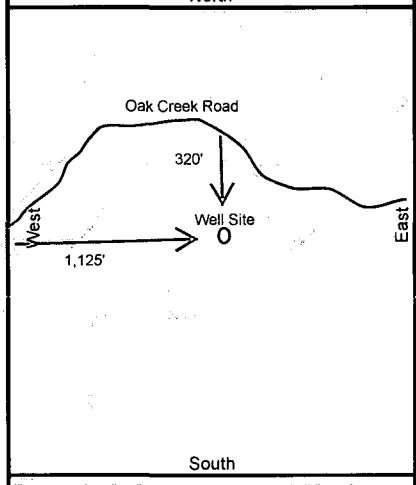
Datum WGS84 Decimal Lat. 35.02169 Decimal Long. 118.42203

APN Book 400 Page 053 Parcel 01

Township 11N Range 15W Section 25 B

Location Sketch

(Sketch must be drawn by hand after form is printed.)



Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. **Please be accurate and complete.**

Activity

◉ New Well
○ Modification/Repair
○ Deepen
○ Other
○ Destroy
Describe procedures and materials under "GEOLOGIC LOG"

Planned Uses

◉ Water Supply
☐ Domestic ☐ Public
☐ Irrigation ☑ Industrial
○ Cathodic Protection
○ Dewatering
○ Heat Exchange
○ Injection
○ Monitoring
○ Remediation
○ Sparging
○ Test Well
○ Vapor Extraction
○ Other

Water Level and Yield of Completed Well

Depth to first water 0 (Feet below surface)

Depth to Static Water Level 0 (Feet) Date Measured 11/07/2013

Estimated Yield * 250 (GPM) Test Type Constant Rate

Test Length 24.0 (Hours) Total Drawdown 143 (Feet)

*May not be representative of a well's long term yield. PL - 88.75'

Casings

Depth from Surface Feet	to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)
0	20	30.00	Conductor	A53B	.250	20		
0	80	12.25	Blank	A53B	.250	10		
80	170	12.25	Screen	A53B	.250	10	Milled Slots	0.090
170	190	12.25	Blank	A53B	.250	10		

Annular Material

Depth from Surface Feet	to Feet	Fill	Description
0	53	Cement	10-sack
53	190	Filter Pack	1/4 x 10

Attachments

☑ Geologic Log
☐ Well Construction Diagram
☐ Geophysical Log(s)
☐ Soil/Water Chemical Analyses
☐ Other

Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

Name Rottman Drilling Co.
Person, Firm or Corporation

46471 N. Division Street Lancaster CA 93535
Address City State Zip

Signed [signature] 11/15/2013 316599
C-57 Licensed Water Well Contractor Date Signed C-57 License Number

DWR 188 REV. 1/2006

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

RECEIVED

JUL - 9 2014

Appendix I.2
Estimated Reclamation Water Use for the CalPortland Mojave Life of Mine Reclamation Plan Amendment Project

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SESPE CONSULTING, INC.
A Trinity Consultants Company

MEMORANDUM

374 Poli Street, Suite 200 • Ventura, CA 93001 • Office (805) 275-1515 • Fax (805) 667-8104

Date: October 7, 2025

To: Alison Everhart, CalPortland Company

From: Lori Bryan, P.G. and Camille Preece, G.I.T., Sespe Consulting, Inc.

Cc: Adam Guernsey and Mark Harrison, HTHG

Re: Estimated Reclamation Water Use for the CalPortland Mojave Life of Mine Reclamation Plan Amendment Project

---

Introduction and Background

CalPortland Company operates a vested limestone mining and processing operation, along with a cement manufacturing facility in Mojave, Kern County, California (the Facility). As part of the Facility's entitlements, CalPortland Company (CalPortland, or the Company) has a Reclamation Plan that was approved in 1979, which describes the reclamation activities and performance standards for the Facility. The Company is proposing to amend the Reclamation Plan to cover mined lands associated with limestone reserves that are presently outside of the Reclamation Plan boundary but within the vested mining area (the Project).

The Project site is located approximately 6 miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in Kern County, California. It is located on the United States Geological Survey (USGS) Monolith and Willow Springs 7.5-minute topographic quadrangles in all or portions of Sections 13 through 15, 23 through 28, 33, and 34, Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M); and portions of Sections 19 and 30 Township 11 North, Range 13 West (T11N, R13W) SBB&M.

The Project does not propose any change to the Company's existing production levels, mining systems or processes, or throughput from the Company's cement production facility. The Reclamation Plan Amendment would allow the Company to complete reclamation of mineral recovery activities throughout the vested Facility over the life of the operations.

As detailed in the Reclamation Plan Amendment (Sespe, 2025) and the Water Supply Assessment (Sespe, 2025), since the proposed Project is an amendment to the Reclamation Plan, the only change affecting water demand is that the mined lands would be finish-contoured where necessary and revegetated. Accordingly, water use during reclamation activities would be the quantity of water necessary to achieve the reclamation objectives once mining operations cease. Reclamation activities that require water would be limited to revegetation and dust control during backfilling, contouring, and stockpiling.

CalPortland currently uses approximately 77 acre-feet per year of water for dust control associated with placement of overburden, controlling fugitive emissions from haul and access roads, and working quarry faces. Given estimating water use more than 200 years in the future necessarily involves speculation and a risk of underestimating actual water use, the Water Supply Assessment conservatively assumed the same maximum of 77 acre-feet per year during reclamation. The Water Supply Assessment also documented that groundwater

supplies available to the Project are approximately 597 acre-feet per year under normal conditions and 320 acre-feet per year under multiple-dry year conditions. Thus, even under the most conservative assumption, reclamation-phase demand would represent about 13 percent of supply in a normal year and 25 percent of supply in a multiple-dry year. Based on this assessment, the effects of continued pumping of the existing groundwater wells for the Project would be insignificant, and the onsite groundwater supply is adequate to meet the projected water demand.

The purpose of this memorandum is to quantify, to the best of our abilities, the estimated water use for reclamation activities following completion of mining, using information from prior site-specific studies and published literature regarding reclamation water use. Again, we note that this estimate necessarily involves speculation given the unknown conditions that may exist 200+ years in the future.

Estimated Reclamation Water Use

To provide an estimate of water quantity expected to be used during reclamation, Sespe identified two separate use applications: revegetation and dust control during recontouring. These activities would occur within the proposed 5-year reclamation period, between the years 2222 and 2227. Although reclamation is anticipated to occur far in the future (approximately 200 years), this estimate assumes present-day climate and water supply conditions are representative of the post-mining period of time. To remain conservative, the analysis also assumes all 4,367 acres of the Reclamation Area are revegetated at once, rather than phased concurrently with mining.

The reclamation schedule per the Reclamation Plan Amendment (Sespe, 2025) is provided below in Table 1.

Table 1 – Reclamation Schedule

Anticipated Schedule	Phase/Activity	Land Use/End Use
Year 1	Fencing, site cleanup clearance surveys, and removal of non-natives	Cleared/Cleaned Up Site/Excavation Area
Year 2	Revegetation and monitoring	Planted Open Space
Year 3		
Year 4	Quantitative Monitoring and meeting Performance Standards	Revegetated Open Space
Year 5		

The calculations for water use on an acre-per-year basis for revegetation and dust control are presented in the subsections to follow.

Revegetation Water Use

Based on the proposed Revegetation Plan (ELMT, 2025), the native plant species seed mix would be applied at a rate of 20 pounds of seed per acre. Revegetation would occur through imprinting, hand-broadcasting, or hydroseeding. The Reclamation Plan Amendment states that seeds would primarily be distributed by imprinting or hand cast during the rainy season (October 1 through January 30); however, for the purposes of quantifying water use during reclamation, this analysis conservatively assumes all revegetation is completed via hydroseeding, which is the most water-intensive method.

Although only disturbed quarry floor and slopes require revegetation, this estimate applies hydroseeding to the entire Reclamation Area comprising 4,367 acres. Because the model of Hydroseeder® that would be used during

reclamation is undetermined, Sespe assumed a T30 Hydroseeder® with a capacity of 335 gallons would be used. The lowest capacity model results in the highest number of trips and gallons of water used, so this assumption is conservative, as CalPortland would likely employ a higher capacity model. The recommended published ratios of seed, fertilizer, and mulch for the 335-gallon T30 Hydroseeder® are shown below in Table 2.

Table 2 – Hydroseeder® Specifications and Recommended Ratios

Hydroseeder® Model	Tank Capacity (gallons water)[1]	Amount in Tank (pounds)[1]			Coverage Area (acres)[2]
		Seed	Fertilizer	Mulch	
T30	335	20	25	120	1

[1] Ratio based on specifications for T30 Hydroseeder®: https://fibramulch.com/assets/HSAreaCoverage_000.pdf

[2] Coverage area based on proposed application rate of 20 pounds of seed per acre, per the Revegetation Plan (ELMT, 2025).

Based on Table 2 above, 20 pounds of seed would be mixed with 335 gallons of water. With the application rate of 20 pounds of seed per acre, one T30 hydroseeder could cover one acre in one trip; and therefore one acre of revegetation would necessitate 335 gallons of water. An estimated total of 1,462,945 gallons, or 4.5 acre-feet, of water would be used for the initial application on areas that will be revegetated.

The calculations are displayed below in Table 3.

Table 3 – Revegetation Water Usage Calculations

Seed Application Rate[1]	T30 Hydroseeder® Water Capacity	T30 Hydroseeder® Recommended Seed Capacity Per Tank	Water Quantity per Acre of Hydroseed Application	Reclamation Area	Total Water Use for Revegetation	Total Water Use for Revegetation
Pounds of Seed Per Acre	Gallons	Pounds of Seed	Gallons Per Acre	Acres	Gallons	Acre-Feet
20	335	20	335	4,367 acres	1,462,945	4.5

[1] Proposed application rate per Revegetation Plan (ELMT, 2025).

In addition to the initial hydroseed application, supplemental irrigation, although not anticipated, may be conducted during the first growing season to support seedling establishment. The Reclamation Plan (Sespe, 2025) specifies quarterly biological monitoring in years 1 and 2 and biannual monitoring in years 3 through 5. For purposes of this memorandum, supplemental irrigation is conservatively assumed to occur at each quarterly monitoring event during the first two years, with each event equivalent to the initial hydroseed water use (approximately 335 gallons per acre, or 4.5 acre-feet across the full reclamation area). As summarized in Table 4, this results in an estimated 36 acre-feet of irrigation water applied during years 1 and 2, in addition to the 4.5 acre-feet used for the initial application, for a total of approximately 40.5 acre-feet for revegetation. This assumption is conservative because imprinting and hand-broadcasting are the preferred methods, with hydroseeding used only as needed; water use is typically greatest during the initial application, with follow-up irrigation requiring less; and SMARA requires that reclaimed vegetation be self-sustaining without irrigation, fertilization, or weeding for two years prior to release of a performance bond. Actual irrigation frequency and volumes will be determined by the revegetation specialist based on rainfall, soil moisture, and monitoring results, but is not anticipated to occur given the selected revegetation palette.

Table 4 – Revegetation plus Establishment Irrigation Water Use

Scenario	Events (initial + follow-ups)	Water per event (acre-feet)	Total Water Use 5 Years (acre-feet)	Average Water Use per year (acre-feet)
Initial Application (IA)	1 + 0	4.5	4.5	0.9
IA + 1 follow-up	1 + 1	4.5	9.0	1.8
IA + 1 follow-up	1 + 2	4.5	13.5	2.7
Initial + quarterly Y1–Y2[1]	1 + 8	4.5	40.5	8.1

[1]Initial + quarterly Y1–Y2 case represents a conservative upper bound if irrigation occurred at every monitoring event in years 1 and 2.

Dust Control Water Use

To estimate the water usage for dust control, Sespe reviewed Trinity's 2025 Air Quality and Greenhouse Gas Assessment (AQIA) to determine the water truck trips and truck specifications accounted for in evaluating the Project's potential impacts. As shown in Tables E.3-6 and E.3-10 from Appendix E of the AQIA, the water truck proposed to be utilized during reclamation is a Cat® model 770G Off-Highway Truck with a 9,000-gallon capacity. The AQIA accounted for one water truck to be used for a total of 92.67 trips per year. Therefore, the 5-year reclamation period would consist of 463.35 water truck trips. Conservatively assuming one trip would include the application of 9,000 gallons of water for dust suppression, the total water used during reclamation for dust control is estimated at 4,170,150 gallons, or 12.80 acre-feet, of water. The calculations are displayed below in Table 4.

The Transportation Memo (Sespe, 2025) further confirms reclamation activities involve approximately 27 employees per day (54 one-way trips) and a single hydroseeding crew covering ~1.8 acres per day, with no haul trucks required. This qualitative context supports that reclamation-phase water use is substantially less than during mining operations.

Table 5 – Dust Control Water Usage Calculations

Water Truck Tank Capacity[1]	Water Truck Trips During Reclamation[2]	Total Water Truck Trips During Reclamation[3]	Water Quantity Used Per Trip[4]	Total Water Use for Dust Control	Total Water Use for Dust Control
Gallons	Trips Per Year	Trips	Gallons	Gallons	Acre-Feet
9,000	92.67	463.35	9,000	4,170,150	12.80

[1] Water truck specifications per https://www.petersoncat.com/products/new/highway-trucks-bare-chassis/770g-wtr-bare-chassis as included in the Air Quality and Greenhouse Gas Assessment (Trinity, 2025).
[2] Per the Air Quality and Greenhouse Gas Assessment (Trinity, 2025).
[3] Total trips calculated for the proposed 5-year reclamation time frame.
[4] Analysis assumes one trip will use a full tank of water for dust control.

Conclusion

During the 5-year reclamation time frame, an estimated total of 40.5 acre-feet of water would be used for revegetation, including the initial hydroseed application and supplemental irrigation during establishment, and 12.8 acre-feet for dust control, for a combined total of 53.3 acre-feet. This equates to an average of 10.7 acre-feet of water per year during reclamation. The estimated water usage is displayed in Table 5 below.

Table 6 – Estimated Reclamation Water Usage

Reclamation Time Frame (Years)	Water Quantity	Water Usage for Revegetation	Water Usage for Dust Control	**Total Water Usage During Reclamation**
5	Total (acre-feet)	40.5	12.8	**53.3**
	Per Year (acre-feet)	8.1	2.6	**10.7**

This analysis is conservative because it assumes all revegetation would be conducted by hydroseeding with periodic watering; the entire 4,367-acre reclamation area would be treated at once; and each dust control trip would apply a full 9,000-gallon load. Actual water use is expected to be less, given that much reclamation will occur concurrently with mining and revegetation would be timed with the rainy season, and therefore the total per year water usage of 10.7 acre-feet is a “worst case” scenario.

As documented in the Water Supply Assessment (Sespe, 2025), a Project demand of 77 acre-feet per year would represent approximately 13 percent of available supply in normal years (597 acre-feet per year) and 25 percent in multiple-dry years (320 acre-feet per year). The quantified reclamation demand of 10.7 acre-feet per year is less than 14 percent of the 77 acre-feet baseline, less than 2 percent of available supply in normal years, and less than 4 percent of available supply in multiple-dry years. Accordingly, the findings and conclusions of the Water Supply Assessment remain applicable.

References

ELMT. (2025). Revegetation Plan for CalPortland’s Mojave Mine Life Extension Project.

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Trinity Consultants. (2025). Air Quality and Greenhouse Gas Assessment, Mojave Life of Mine Reclamation Plan Amendment. *Prepared for CalPortland Company.*

Sespe Consulting. (2025). Mojave Life of Mine Reclamation Plan Amendment. *Prepared for CalPortland Company.*

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Appendix I.3

Mojave Overburden Sampling Results Memo

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SESPE CONSULTING, INC.
A Trinity Consultants Company

MEMORANDUM

374 Poli Street, Suite 200 • Ventura, CA 93001 • Office (805) 275-1515 • Fax (805) 667-8104

Date: July 16, 2025

To: Alison Everhart – CalPortland Company

From: Lori Bryan, P.G. and Brian Anderson, P.G. – Sespe Consulting, Inc.

Cc: Doug Mason – Sespe Consulting, Inc.

Re: Mojave Overburden Sampling Results Memo

INTRODUCTION

In accordance with your request, Sespe Consulting, Inc. (Sespe) conducted a review of the analytical laboratory reports for a composite overburden sample collected at the CalPortland Mojave Mine (CA Mine ID No. 91-15-0032), located in Kern County, California. For background, the composite sample represents an amalgam of overburden subsamples collected by CalPortland. In conducting this assessment, Sespe relied solely upon the sampling performed and analytical results provided to us.

The objective of our work was to assess the sample results with respect to naturally occurring metals within the overburden presently managed onsite in support of CalPortland's life of mine reclamation plan amendment, which is currently under review by Kern County. More specifically, this technical review evaluates the overburden sample with respect to this material's hazardous characteristics, as well as to assess whether certain metals of interest could potentially leach into the subsurface and impact groundwater. This assessment is not intended to represent a comprehensive characterization of overburden, nor does it attempt to classify this material under the State's mining waste classification system, as described under Title 27. Rather, this assessment is intended to provide a screening level evaluation of potential groundwater risk from overburden stockpiles.

We understand the composite sample was created by spot sampling along the surface of an approximately 20,000-ton stockpile of geologically representative overburden at the Mojave Mine in Section 14, Township 11 North, Range 14 West. Based on Chain-of-Custody (COC) documentation and information conveyed by CalPortland, the sample was collected January 10, 2023, and sent to Eurofins Calscience Laboratory initial for analysis using the Toxicity Characteristic Leaching Procedure (TCLP) (USEPA Test Method 1311) to evaluate priority pollutant metals concentration levels. Based on these results, Sespe requested that CalPortland instruct the lab to further analyze the material using USEPA Test Method 1312, referred to as the Synthetic Precipitation Leaching Procedure (SPLP), which analyzes the potential for a contaminant to leach into groundwater. In this case, given the metals detections from the TCLP analysis, the lab performed SPLP analysis for priority pollutant metals. The sample submitted to the lab for SPLP analysis was received by Eurofins on January 12, 2023.

LABORATORY ANALYSIS

Upon review of the sample Chain-of-Custody, the composite sample was initially submitted for analysis of the RCRA 8 metals using the TCLP and SPLP methods by USEPA Test Method 1311 and 1312, respectively (refer to the laboratory report included as Attachment A). The following metals species were analyzed from the digestion

extracts using USEPA Test Method 6010B: arsenic (As), barium (Ba), cadmium (Cd), chromium (Cr), lead (Pb), selenium (Se), and silver (Ag). In addition, mercury (Hg) was analyzed by USEPA Test Method 7470A and was non-detect.

In order to further analyze the sample, as defined under CCR Title 27, the sample was analyzed using USEPA Test Method 3050B for analysis of the following CAM-17 metals: antimony (Sb), arsenic (As), barium (Ba), beryllium (Be), cadmium (Cd), chromium (Cr), cobalt (Co), copper (Cu), lead (Pb), molybdenum (Mo), nickel (Ni), selenium (Se), silver (Ag), thallium (Tl), vanadium (V), zinc (Zn) by using USEPA Test Method 6010B. Mercury was analyzed by method 7471A and reported as non-detect, but outside the method holding time. However, as discussed above, mercury (Hg) was also previously analyzed by TCLP within the appropriate holding time and reported as non-detect.

ANALYTICAL RESULTS

With respect to the priority metals species, the TCLP results were below laboratory established reporting limits (RL), except for barium which was detected at 0.22 mg/l. For reference, the reported barium concentration is significantly less than the USEPA allowable limit of 100 mg/l, and below the Regional Water Quality Control Board surface water and groundwater water quality objective of 1 mg/L. Notably, no detections above the RL were reported for any of the analytes subjected to the SPLP.

In addition to the TCLP and SPLP analyses, the composite sample was also analyzed for the CCR Title 22 listed metals suite (CAM 17 metals). Detected analytes are summarized in Table 1 below. All results are below the applicable Total Threshold Limit Concentration (TTLC) limits. Moreover, based on these results, Soluble Threshold Limit Concentration (STLC) analysis was not warranted.

Table 1: Analytical Results and TTLC Comparison for CAM 17 Metals[1]

Analyte	Result (mg/Kg)	RL (mg/Kg)	TTLC Level (mg/Kg – wet weight)[2]	Exceed TTLC
Method: 6010B - Metals (ICP) - 3050B				
Antimony (Sb)	ND	20	500	**No**
Arsenic (As)	**37**	**6.1**	**500**	**No**
Barium (Ba)	**19**	**6.1**	**10,000**	**No**
Beryllium (Be)	ND	1	75	**No**
Cadmium (Cd)	ND	1	100	**No**
Chromium (Cr)	**9.9**	**2**	**500**	**No**
Cobalt (Co)	ND	2	8,000	**No**
Copper (Cu)	**10**	**4.1**	**2,500**	**No**
Lead (Pb)	ND	4.1	1,000	**No**
Molybdenum (Mo)	ND	4.1	3,500	**No**
Nickel (Ni)	**6.5**	**4.1**	**2,000**	**No**
Selenium (Se)	ND	6.1	100	**No**

Analyte	Result (mg/Kg)	RL (mg/Kg)	TTLC Level (mg/Kg – wet weight)[2]	Exceed TTLC
Silver (Ag)	ND	3.1	500	**No**
Thallium (Tl)	ND	20	700	**No**
Vanadium (V)	**14**	**2**	**2,400**	**No**
Zinc (Zn)	**24**	**10**	**5,000**	**No**
Method: 7471A - Mercury (CVAA)				
Mercury[3]	ND	0.0025 (mg/L)	20	**No**

Notes:
1) The composite sample was assembled by grabbing from several locations all around the overburden stockpile in a manner representative of a collective composite sample. Analysis was performed between February 17, 2023 (Hg) and February 23, 2023.
2) Source: CRC, Title 22, Chapter 11, Article 3. If a substance in a waste equals or exceeds the TTLC level, it is considered a hazardous toxic waste.
3) Sample was prepped and analyzed outside the specified holding time. Sample was, however, analyzed by USEPA Test Method 7470A as part of the analysis of the RCRA 8 metals within the method holding time.

FINDINGS AND CONCLUSIONS

Sespe has performed a review of analytical results for a composite sample of overburden material stockpiled at the CalPortland Mojave Mine. The purpose of this review was to evaluate whether the overburden sample exhibits hazardous waste characteristics for naturally occurring metals species. Based on the analytical tests performed and a comparison with relevant and appropriate federal and state regulatory thresholds, the sample does not contain constituent metals at levels indicative of hazardous waste. Rather, the nature of the material is consistent with inert waste, as defined in CCR Title 27. Moreover, in consideration of the SPLP results, the detected naturally occurring constituents are unlikely to leach and consequently migrate to groundwater. In summary, the analytical data indicate the overburden sample is not hazardous, and the potential impact to groundwater quality underneath the site is low.

In summary, while the Project site is governed under existing Waste Discharge Order No. 6-01-54, the overburden is not subject to any current waste discharge requirements. Given the inert characteristics of the overburden, this material may be classified as a Group C mining waste, as defined under CCR Title 27. Therefore, in our opinion a discharge from this material is expected to be in compliance with the applicable water quality objectives adopted by the Regional Water Quality Control Board's Basin Plan.

Sespe Consulting, Inc.
A Trinity Consultants Company



Lori Bryan, P.G.
Project Geologist



Brian G. Anderson, P.G.
Principal Geologist

ATTACHMENTS

Attachment A – Eurofins Calscience – Analytical Report, dated January 23, 2023
Attachment B – Eurofins Calscience – Analytical Report, dated February 23, 2023

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Guernsey
HTHG
2801 T Street
Sacramento, California 95816

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JOB DESCRIPTION

Mojave Overburden

JOB NUMBER

570-123880-1

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

Eurofins Calscience

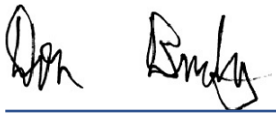
Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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Authorized for release by
Don Burley, Senior Project Manager
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(657)212-3033

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Definitions/Glossary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Qualifiers

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
E	Result exceeded calibration range.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Job ID: 570-123880-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-123880-1

Comments
No additional comments.

Receipt
The sample was received on 1/12/2023 10:15 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 18.4º C.

Metals
Method 7470A: The continuing calibration verification (CCV) associated with batch 570-297148 recovered above the upper control limit for Mercury. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Client Sample ID: Mojave Overburden

Lab Sample ID: 570-123880-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Barium	0.22		0.10		mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Method: SW846 6010B - Metals (ICP) - TCLP

Client Sample ID: Mojave Overburden
Date Collected: 01/10/23 00:00
Date Received: 01/12/23 10:15

Lab Sample ID: 570-123880-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		mg/L		01/19/23 11:07	01/19/23 16:52	1
Barium	**0.22**		0.10		mg/L		01/19/23 11:07	01/19/23 16:52	1
Cadmium	ND		0.10		mg/L		01/19/23 11:07	01/19/23 16:52	1
Chromium	ND		0.50		mg/L		01/19/23 11:07	01/19/23 16:52	1
Lead	ND		0.50		mg/L		01/19/23 11:07	01/19/23 16:52	1
Selenium	ND		0.50		mg/L		01/19/23 11:07	01/19/23 16:52	1
Silver	ND		0.10		mg/L		01/19/23 11:07	01/19/23 16:52	1

Client Sample Results

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Method: SW846 6010B - Metals (ICP) - SPLP West

Client Sample ID: Mojave Overburden
Date Collected: 01/10/23 00:00
Date Received: 01/12/23 10:15

Lab Sample ID: 570-123880-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:22	1
Barium	ND		0.50		mg/L		01/19/23 14:10	01/20/23 19:22	1
Cadmium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:22	1
Chromium	ND		0.25		mg/L		01/19/23 14:10	01/20/23 19:22	1
Lead	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:22	1
Selenium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:22	1
Silver	ND		0.040		mg/L		01/19/23 14:10	01/20/23 19:22	1

Client: HTHG
Job ID: 570-123880-1
Project/Site: Mojave Overburden

Method: SW846 7470A - Mercury (CVAA) - TCLP

Client Sample ID: Mojave Overburden
Lab Sample ID: 570-123880-1
Date Collected: 01/10/23 00:00
Matrix: Solid
Date Received: 01/12/23 10:15

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	^+	0.0025		mg/L		01/19/23 10:55	01/19/23 15:18	1

Client: HTHG
Job ID: 570-123880-1
Project/Site: Mojave Overburden

Method: SW846 7470A - Mercury (CVAA) - SPLP West

Client Sample ID: Mojave Overburden
Lab Sample ID: 570-123880-1
Date Collected: 01/10/23 00:00
Matrix: Solid
Date Received: 01/12/23 10:15

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050		mg/L		01/19/23 17:50	01/19/23 20:41	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 550-292889/1-A
Matrix: Solid
Analysis Batch: 293002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292889

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:34	1
Barium	ND		0.50		mg/L		01/19/23 14:10	01/20/23 18:34	1
Cadmium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:34	1
Chromium	ND		0.25		mg/L		01/19/23 14:10	01/20/23 18:34	1
Lead	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:34	1
Selenium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:34	1
Silver	ND		0.040		mg/L		01/19/23 14:10	01/20/23 18:34	1

Lab Sample ID: LCS 550-292889/2-A
Matrix: Solid
Analysis Batch: 293002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292889

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			10.0	10.4	E	mg/L		104	89 - 111		
Barium			5.00	5.02		mg/L		100	87 - 114		
Cadmium			5.00	5.14		mg/L		103	90 - 110		
Chromium			5.00	5.05		mg/L		101	86 - 112		
Lead			5.00	5.24		mg/L		105	89 - 115		
Selenium			5.00	5.31		mg/L		106	92 - 120		
Silver			0.375	0.376		mg/L		100	80 - 113		

Lab Sample ID: LCSD 550-292889/3-A
Matrix: Solid
Analysis Batch: 293002

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 292889

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			10.0	10.3	E	mg/L		103	89 - 111	0	20
Barium			5.00	5.05		mg/L		101	87 - 114	1	20
Cadmium			5.00	5.11		mg/L		102	90 - 110	1	20
Chromium			5.00	5.08		mg/L		102	86 - 112	1	20
Lead			5.00	5.27		mg/L		105	89 - 115	0	20
Selenium			5.00	5.31		mg/L		106	92 - 120	0	20
Silver			0.375	0.379		mg/L		101	80 - 113	1	20

Lab Sample ID: LB 570-296614/1-B
Matrix: Solid
Analysis Batch: 297198

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 297055

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		mg/L		01/19/23 11:06	01/19/23 16:18	1
Barium	ND		0.10		mg/L		01/19/23 11:06	01/19/23 16:18	1
Cadmium	ND		0.10		mg/L		01/19/23 11:06	01/19/23 16:18	1
Chromium	ND		0.50		mg/L		01/19/23 11:06	01/19/23 16:18	1
Lead	ND		0.50		mg/L		01/19/23 11:06	01/19/23 16:18	1
Selenium	ND		0.50		mg/L		01/19/23 11:06	01/19/23 16:18	1
Silver	ND		0.10		mg/L		01/19/23 11:06	01/19/23 16:18	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-296614/2-B
Matrix: Solid
Analysis Batch: 297198

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 297055

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			2.00	2.08		mg/L		104	80 - 120		
Barium			2.00	2.11		mg/L		105	80 - 120		
Cadmium			2.00	2.06		mg/L		103	80 - 120		
Chromium			2.00	2.11		mg/L		106	80 - 120		
Lead			2.00	2.09		mg/L		104	80 - 120		
Selenium			2.00	1.89		mg/L		95	80 - 120		
Silver			1.00	1.04		mg/L		104	80 - 120		

Lab Sample ID: LCSD 570-296614/3-B
Matrix: Solid
Analysis Batch: 297198

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 297055

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			2.00	1.99		mg/L		100	80 - 120	4	20
Barium			2.00	2.03		mg/L		101	80 - 120	4	20
Cadmium			2.00	1.99		mg/L		100	80 - 120	3	20
Chromium			2.00	2.02		mg/L		101	80 - 120	4	20
Lead			2.00	2.01		mg/L		100	80 - 120	4	20
Selenium			2.00	1.77		mg/L		88	80 - 120	7	20
Silver			1.00	0.999		mg/L		100	80 - 120	4	20

Lab Sample ID: LB 550-292790/1-B
Matrix: Solid
Analysis Batch: 293002

Client Sample ID: Method Blank
Prep Type: SPLP West
Prep Batch: 292889

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:51	1
Barium	ND		0.50		mg/L		01/19/23 14:10	01/20/23 18:51	1
Cadmium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:51	1
Chromium	ND		0.25		mg/L		01/19/23 14:10	01/20/23 18:51	1
Lead	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:51	1
Selenium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 18:51	1
Silver	ND		0.040		mg/L		01/19/23 14:10	01/20/23 18:51	1

Lab Sample ID: LB 550-292793/1-B
Matrix: Solid
Analysis Batch: 293002

Client Sample ID: Method Blank
Prep Type: SPLP West
Prep Batch: 292889

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:19	1
Barium	ND		0.50		mg/L		01/19/23 14:10	01/20/23 19:19	1
Cadmium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:19	1
Chromium	ND		0.25		mg/L		01/19/23 14:10	01/20/23 19:19	1
Lead	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:19	1
Selenium	ND		0.10		mg/L		01/19/23 14:10	01/20/23 19:19	1
Silver	ND		0.040		mg/L		01/19/23 14:10	01/20/23 19:19	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 550-292902/1-A
Matrix: Solid
Analysis Batch: 292927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 292902

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050		mg/L		01/19/23 17:50	01/19/23 19:37	1

Lab Sample ID: LCS 550-292902/2-A
Matrix: Solid
Analysis Batch: 292927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 292902

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00468		mg/L		94	80 - 120		

Lab Sample ID: LCSD 550-292902/3-A
Matrix: Solid
Analysis Batch: 292927

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 292902

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00500	0.00448		mg/L		90	80 - 120	4	20

Lab Sample ID: LB 570-296614/1-C
Matrix: Solid
Analysis Batch: 297148

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 297070

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0025		mg/L		01/19/23 10:55	01/19/23 15:00	1

Lab Sample ID: LCS 570-296614/2-C
Matrix: Solid
Analysis Batch: 297148

Client Sample ID: Lab Control Sample
Prep Type: TCLP
Prep Batch: 297070

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.0400	0.0443		mg/L		111	80 - 120		

Lab Sample ID: LCSD 570-296614/3-C
Matrix: Solid
Analysis Batch: 297148

Client Sample ID: Lab Control Sample Dup
Prep Type: TCLP
Prep Batch: 297070

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.0400	0.0421		mg/L		105	80 - 120	5	10

Lab Sample ID: LB 550-292790/1-C
Matrix: Solid
Analysis Batch: 292927

Client Sample ID: Method Blank
Prep Type: SPLP West
Prep Batch: 292902

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050		mg/L		01/19/23 17:50	01/19/23 19:53	1

Lab Sample ID: LB 550-292793/1-C
Matrix: Solid
Analysis Batch: 292927

Client Sample ID: Method Blank
Prep Type: SPLP West
Prep Batch: 292902

Analyte	LB Result	LB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00050		mg/L		01/19/23 17:50	01/19/23 20:39	1

QC Association Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Metals

Leach Batch: 292790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 550-292790/1-B	Method Blank	SPLP West	Solid	1311	
LB 550-292790/1-C	Method Blank	SPLP West	Solid	1311	

Leach Batch: 292793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	SPLP West	Solid	1312	
LB 550-292793/1-B	Method Blank	SPLP West	Solid	1312	
LB 550-292793/1-C	Method Blank	SPLP West	Solid	1312	

Prep Batch: 292889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	SPLP West	Solid	3010A	292793
LB 550-292790/1-B	Method Blank	SPLP West	Solid	3010A	292790
LB 550-292793/1-B	Method Blank	SPLP West	Solid	3010A	292793
MB 550-292889/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 550-292889/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 550-292889/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	

Prep Batch: 292902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	SPLP West	Solid	7470A	292793
LB 550-292790/1-C	Method Blank	SPLP West	Solid	7470A	292790
LB 550-292793/1-C	Method Blank	SPLP West	Solid	7470A	292793
MB 550-292902/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 550-292902/2-A	Lab Control Sample	Total/NA	Solid	7470A	
LCSD 550-292902/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	

Analysis Batch: 292927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	SPLP West	Solid	7470A	292902
LB 550-292790/1-C	Method Blank	SPLP West	Solid	7470A	292902
LB 550-292793/1-C	Method Blank	SPLP West	Solid	7470A	292902
MB 550-292902/1-A	Method Blank	Total/NA	Solid	7470A	292902
LCS 550-292902/2-A	Lab Control Sample	Total/NA	Solid	7470A	292902
LCSD 550-292902/3-A	Lab Control Sample Dup	Total/NA	Solid	7470A	292902

Analysis Batch: 293002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	SPLP West	Solid	6010B	292889
LB 550-292790/1-B	Method Blank	SPLP West	Solid	6010B	292889
LB 550-292793/1-B	Method Blank	SPLP West	Solid	6010B	292889
MB 550-292889/1-A	Method Blank	Total/NA	Solid	6010B	292889
LCS 550-292889/2-A	Lab Control Sample	Total/NA	Solid	6010B	292889
LCSD 550-292889/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	292889

Leach Batch: 296614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	TCLP	Solid	1311	
LB 570-296614/1-B	Method Blank	TCLP	Solid	1311	
LB 570-296614/1-C	Method Blank	TCLP	Solid	1311	
LCS 570-296614/2-B	Lab Control Sample	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 296614 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-296614/2-C	Lab Control Sample	TCLP	Solid	1311	
LCSD 570-296614/3-B	Lab Control Sample Dup	TCLP	Solid	1311	
LCSD 570-296614/3-C	Lab Control Sample Dup	TCLP	Solid	1311	

Prep Batch: 297055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	TCLP	Solid	3010A	296614
LB 570-296614/1-B	Method Blank	TCLP	Solid	3010A	296614
LCS 570-296614/2-B	Lab Control Sample	TCLP	Solid	3010A	296614
LCSD 570-296614/3-B	Lab Control Sample Dup	TCLP	Solid	3010A	296614

Prep Batch: 297070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	TCLP	Solid	7470A	296614
LB 570-296614/1-C	Method Blank	TCLP	Solid	7470A	296614
LCS 570-296614/2-C	Lab Control Sample	TCLP	Solid	7470A	296614
LCSD 570-296614/3-C	Lab Control Sample Dup	TCLP	Solid	7470A	296614

Analysis Batch: 297148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	TCLP	Solid	7470A	297070
LB 570-296614/1-C	Method Blank	TCLP	Solid	7470A	297070
LCS 570-296614/2-C	Lab Control Sample	TCLP	Solid	7470A	297070
LCSD 570-296614/3-C	Lab Control Sample Dup	TCLP	Solid	7470A	297070

Analysis Batch: 297198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	TCLP	Solid	6010B	297055
LB 570-296614/1-B	Method Blank	TCLP	Solid	6010B	297055
LCS 570-296614/2-B	Lab Control Sample	TCLP	Solid	6010B	297055
LCSD 570-296614/3-B	Lab Control Sample Dup	TCLP	Solid	6010B	297055

Lab Chronicle

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Client Sample ID: Mojave Overburden

Date Collected: 01/10/23 00:00
Date Received: 01/12/23 10:15

Lab Sample ID: 570-123880-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP West	Leach	1312			100.01 g	2000 mL	292793	01/18/23 18:45	GLW	EET PHX
SPLP West	Prep	3010A			10 mL	50 mL	292889	01/19/23 14:10	GLW	EET PHX
SPLP West	Analysis	6010B		1			293002	01/20/23 19:22	CHS	EET PHX
	Instrument ID: ICP04									
TCLP	Leach	1311			100.01 g	2000 mL	296614	01/17/23 21:00	XBO9	EET CAL 4
TCLP	Prep	3010A			5 mL	50 mL	297055	01/19/23 11:07	ECX6	EET CAL 4
TCLP	Analysis	6010B		1	1.0 mL	1.0 mL	297198	01/19/23 16:52	P1R	EET CAL 4
	Instrument ID: ICP11									
SPLP West	Leach	1312			100.01 g	2000 mL	292793	01/18/23 18:45	GLW	EET PHX
SPLP West	Prep	7470A			20 mL	20 mL	292902	01/19/23 17:50	SRR	EET PHX
SPLP West	Analysis	7470A		1			292927	01/19/23 20:41	SRR	EET PHX
	Instrument ID: HG 06									
TCLP	Leach	1311			100.01 g	2000 mL	296614	01/17/23 21:00	XBO9	EET CAL 4
TCLP	Prep	7470A			5 mL	50 mL	297070	01/19/23 10:55	C0YH	EET CAL 4
TCLP	Analysis	7470A		1			297148	01/19/23 15:18	C0YH	EET CAL 4
	Instrument ID: HG8									

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: HTHG
Job ID: 570-123880-1
Project/Site: Mojave Overburden

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-23

Laboratory: Eurofins Phoenix

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	AZ100001	03-09-23

Method Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
6010B	Metals (ICP)	SW846	EET PHX
7470A	Mercury (CVAA)	SW846	EET CAL 4
7470A	Mercury (CVAA)	SW846	EET PHX
1311	TCLP Extraction	SW846	EET CAL 4
1312	SPLP Extraction	SW846	EET PHX
3010A	Preparation, Total Metals	SW846	EET CAL 4
3010A	Preparation, Total Metals	SW846	EET PHX
7470A	Preparation, Mercury	SW846	EET CAL 4
7470A	Preparation, Mercury	SW846	EET PHX

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Sample Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-123880-1	Mojave Overburden	Solid	01/10/23 00:00	01/12/23 10:15

Loc: 570
123880

Chain of Custody Record

TestAm
THE LEADER IN ENVIR

Eurofins Calscience
2841 Dow Ave Ste 100
Tustin, CA 92780

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Adam Guernsey	Site Contact: Tom Wilson	Date: 01/11/2023	COC No
HTHG	Tel/Fax: (916) 228-4221	Lab Contact: Don Burley	Carrier:	1 of 1 COCs
2801 T Street	Analysis Turnaround Time			Sampler
Sacramento CA 95816	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
	TAT if different from Below			Walk-in Client:
(916) 228-4221 FAX	☐ 2 weeks			Lab Sampling
Project Name Mojave Overburden	☑ 1 week			
Site Mojave Cement Plant	☐ 2 days			Job / SDG No
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	SW-846 Test Method 1311 TCLP	SW-846 Test Method 1312	Sample Specific Notes
Mojave Overburden	1/10/23	-	C		1	N	N		x	x	

570-123880 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

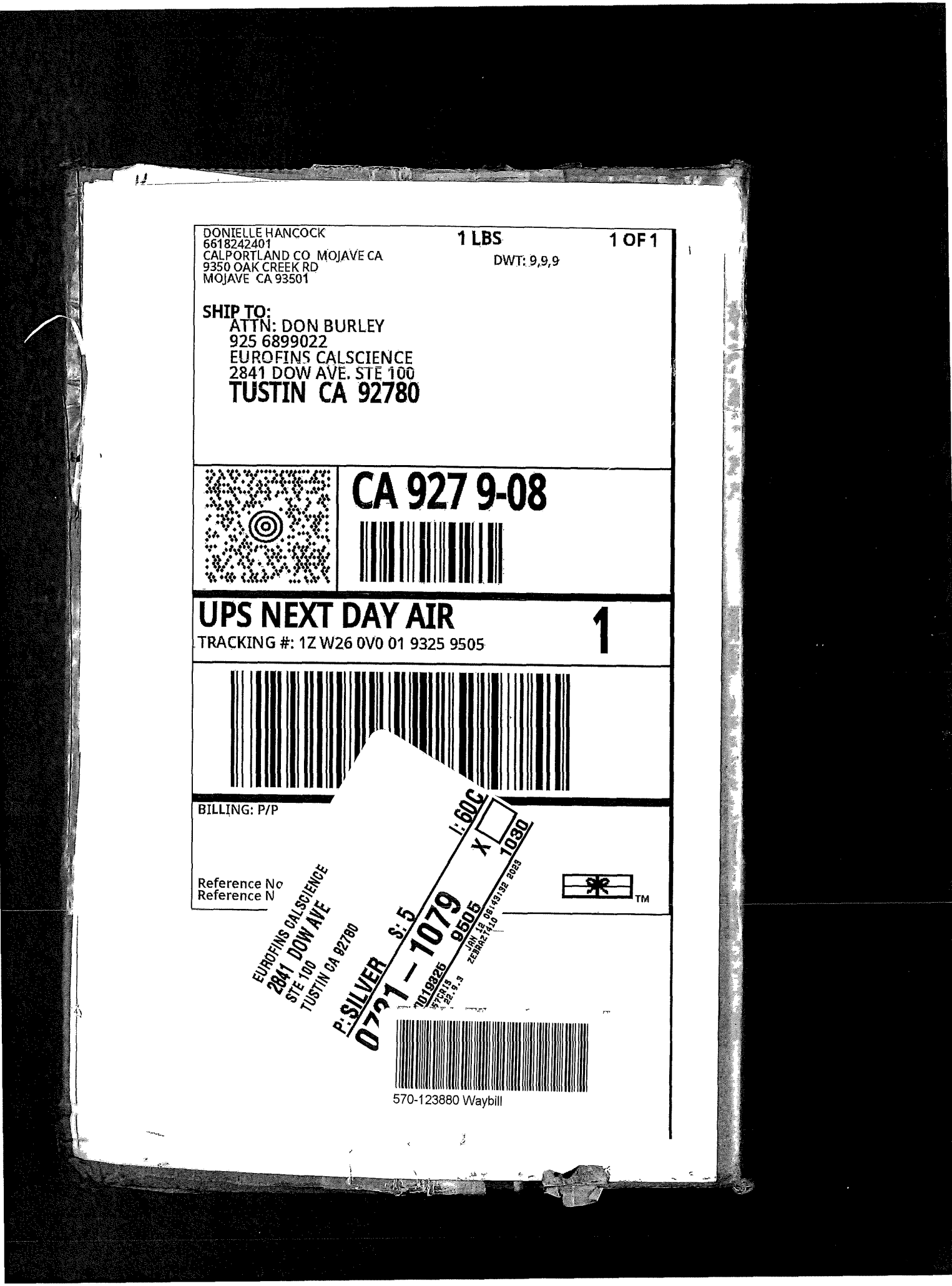
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No		Cooler Temp (°C) Obs'd 18.4 Corr'd 18.4		Therm ID No SC11 N. CE
Relinquished by: Tom Wilson	Company: CalPortland	Date/Time 1-11-23 7 30am	Received by:	Company: EC	Date/Time 1/12/23 10 15
Relinquished by:	Company:	Date/Time	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company:	Date/Time

Form No. CA-C-WI-002, Rev. 4.12, dated 6/12/2017

1/23/2023


DONIELLE HANCOCK
6618242401
CALPORTLAND CO MOJAVE CA
9350 OAK CREEK RD
MOJAVE CA 93501
1 LBS
1 OF 1
DWT: 9,9,9
SHIP TO:
ATTN: DON BURLEY
925 6899022
EUROFINS CALSCIENCE
2841 DOW AVE. STE 100
TUSTIN CA 92780
CA 927 9-08
UPS NEXT DAY AIR
1
TRACKING #: 1Z W26 0V0 01 9325 9505
BILLING: P/P
Reference No
Reference N
EUROFINS CALSCIENCE
2841 DOW AVE
STE 100
TUSTIN CA 92780
P:SILVER S:5
1079 – 9505
570-123880 Waybill

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

Chain of Custody Record

eurofins | Environment Testing

1/23/2023

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Burley, Don	Carrier Tracking No(s):	COC No: 570-204063.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Donald.Burley@et.eurofinsus.com	State of Origin: California	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 570-123880-1
Address: 4625 East Cotton Center Boulevard, Suite #189,	Due Date Requested: 1/19/2023			
City: Phoenix	TAT Requested (days):			
State, Zip: AZ, 85040				
Phone: 602-437-3340(Tel)	PO #:			
Email:	WO #:			
Project Name: Mojave Overburden	Project #: 57012355			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/1312_W_M RCRA Metals	7470A/1312_W_Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Mojave Overburden (570-123880-1)	1/10/23	Pacific		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Calscience.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	01/13/23 12:51	EC			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 1/14/23 1010	Company EETA-PHX

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: FED 2.3°C ICE CX

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: HTHG

Job Number: 570-123880-1

Login Number: 123880
List Number: 1
Creator: Burley, Don

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: HTHG

Job Number: 570-123880-1

Login Number: 123880
List Number: 2
Creator: Greuel, Nicole R

List Source: Eurofins Phoenix
List Creation: 01/14/23 11:04 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Adam Guernsey
HTHG
2801 T Street
Sacramento, California 95816

Generated 2/23/2023 12:51:21 PM

JOB DESCRIPTION

Mojave Overburden

JOB NUMBER

570-123880-2

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin CA 92780

See page two for job notes and contact information.

my EOL

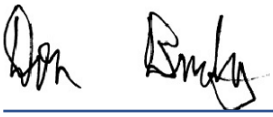
Job Notes

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The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Calscience Project Manager.

Authorization



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Authorized for release by
Don Burley, Senior Project Manager
Donald.Burley@et.eurofinsus.com
(657)212-3033

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Definitions/Glossary

Client: HTHG
Job ID: 570-123880-2
Project/Site: Mojave Overburden

Qualifiers

Metals

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-2

Job ID: 570-123880-2

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-123880-2

Receipt
The sample was received on 1/12/2023 10:15 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 18.4°C

Metals
Method 6010B: The following sample was diluted due to the nature of the sample matrix: Mojave Overburden (570-123880-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-2

Client Sample ID: Mojave Overburden

Lab Sample ID: 570-123880-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Arsenic	37		6.1		mg/Kg	10		6010B	Total/NA
Barium	19		6.1		mg/Kg	10		6010B	Total/NA
Chromium	9.9		2.0		mg/Kg	10		6010B	Total/NA
Copper	10		4.1		mg/Kg	10		6010B	Total/NA
Nickel	6.5		4.1		mg/Kg	10		6010B	Total/NA
Vanadium	14		2.0		mg/Kg	10		6010B	Total/NA
Zinc	24		10		mg/Kg	10		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-2

Method: SW846 6010B - Metals (ICP)

Client Sample ID: Mojave Overburden
Date Collected: 01/10/23 00:00
Date Received: 01/12/23 10:15

Lab Sample ID: 570-123880-1
Matrix: Solid

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		20		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Arsenic	**37**		6.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Barium	**19**		6.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Beryllium	ND		1.0		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Cadmium	ND		1.0		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Chromium	**9.9**		2.0		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Cobalt	ND		2.0		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Copper	**10**		4.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Lead	ND		4.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Molybdenum	ND		4.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Nickel	**6.5**		4.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Selenium	ND		6.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Silver	ND		3.1		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Thallium	ND		20		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Vanadium	**14**		2.0		mg/Kg		02/21/23 06:53	02/23/23 09:35	10
Zinc	**24**		10		mg/Kg		02/21/23 06:53	02/23/23 09:35	10

Client: HTHG
Job ID: 570-123880-2
Project/Site: Mojave Overburden

Method: SW846 7471A - Mercury (CVAA)

Client Sample ID: Mojave Overburden
Lab Sample ID: 570-123880-1
Date Collected: 01/10/23 00:00
Matrix: Solid
Date Received: 01/12/23 10:15

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.085		mg/Kg		02/16/23 17:55	02/17/23 15:42	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-305476/1-A ^5
Matrix: Solid
Analysis Batch: 306134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 305476

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		10		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Arsenic	ND		3.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Barium	ND		3.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Beryllium	ND		0.50		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Cadmium	ND		0.50		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Chromium	ND		1.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Cobalt	ND		1.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Copper	ND		2.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Lead	ND		2.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Molybdenum	ND		2.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Nickel	ND		2.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Selenium	ND		3.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Silver	ND		1.5		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Thallium	ND		10		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Vanadium	ND		1.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5
Zinc	ND		5.0		mg/Kg		02/21/23 06:53	02/21/23 22:43	5

Lab Sample ID: LCS 570-305476/2-A ^5
Matrix: Solid
Analysis Batch: 306134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 305476

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Antimony			49.8	47.0		mg/Kg		95	80 - 120		
Arsenic			49.8	44.8		mg/Kg		90	80 - 120		
Barium			49.8	45.1		mg/Kg		91	80 - 120		
Beryllium			49.8	44.6		mg/Kg		90	80 - 120		
Cadmium			49.8	45.1		mg/Kg		91	80 - 120		
Chromium			49.8	45.1		mg/Kg		91	80 - 120		
Cobalt			49.8	45.5		mg/Kg		91	80 - 120		
Copper			49.8	45.7		mg/Kg		92	80 - 120		
Lead			49.8	45.0		mg/Kg		90	80 - 120		
Molybdenum			49.8	45.3		mg/Kg		91	80 - 120		
Nickel			49.8	45.4		mg/Kg		91	80 - 120		
Selenium			49.8	42.8		mg/Kg		86	80 - 120		
Silver			24.9	22.5		mg/Kg		90	80 - 120		
Thallium			49.8	44.7		mg/Kg		90	80 - 120		
Vanadium			49.8	44.7		mg/Kg		90	80 - 120		
Zinc			49.8	44.5		mg/Kg		89	80 - 120		

Lab Sample ID: LCSD 570-305476/3-A ^5
Matrix: Solid
Analysis Batch: 306134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 305476

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony			50.0	47.6		mg/Kg		95	80 - 120	1	20
Arsenic			50.0	44.2		mg/Kg		88	80 - 120	1	20
Barium			50.0	45.2		mg/Kg		90	80 - 120	0	20
Beryllium			50.0	44.6		mg/Kg		89	80 - 120	0	20
Cadmium			50.0	45.0		mg/Kg		90	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-305476/3-A ^5
Matrix: Solid
Analysis Batch: 306134

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 305476

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			50.0	45.0		mg/Kg		90	80 - 120	0	20
Cobalt			50.0	45.0		mg/Kg		90	80 - 120	1	20
Copper			50.0	45.7		mg/Kg		91	80 - 120	0	20
Lead			50.0	44.9		mg/Kg		90	80 - 120	0	20
Molybdenum			50.0	45.6		mg/Kg		91	80 - 120	1	20
Nickel			50.0	45.4		mg/Kg		91	80 - 120	0	20
Selenium			50.0	42.6		mg/Kg		85	80 - 120	1	20
Silver			25.0	22.4		mg/Kg		90	80 - 120	0	20
Thallium			50.0	44.6		mg/Kg		89	80 - 120	0	20
Vanadium			50.0	44.8		mg/Kg		90	80 - 120	0	20
Zinc			50.0	44.2		mg/Kg		88	80 - 120	1	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 570-304542/1-A
Matrix: Solid
Analysis Batch: 304782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 304542

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.082		mg/Kg		02/16/23 17:55	02/17/23 11:24	1

Lab Sample ID: LCS 570-304542/2-A
Matrix: Solid
Analysis Batch: 304782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 304542

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.408	0.418		mg/Kg		103	80 - 120		

Lab Sample ID: LCSD 570-304542/3-A
Matrix: Solid
Analysis Batch: 304782

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 304542

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.400	0.415		mg/Kg		104	80 - 120	1	10

QC Association Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-2

Metals

Prep Batch: 304542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	Total/NA	Solid	7471A	
MB 570-304542/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 570-304542/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 570-304542/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Analysis Batch: 304782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-304542/1-A	Method Blank	Total/NA	Solid	7471A	304542
LCS 570-304542/2-A	Lab Control Sample	Total/NA	Solid	7471A	304542
LCSD 570-304542/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	304542

Analysis Batch: 304861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	Total/NA	Solid	7471A	304542

Prep Batch: 305476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	Total/NA	Solid	3050B	
MB 570-305476/1-A ^5	Method Blank	Total/NA	Solid	3050B	
LCS 570-305476/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 570-305476/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	3050B	

Analysis Batch: 306134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-305476/1-A ^5	Method Blank	Total/NA	Solid	6010B	305476
LCS 570-305476/2-A ^5	Lab Control Sample	Total/NA	Solid	6010B	305476
LCSD 570-305476/3-A ^5	Lab Control Sample Dup	Total/NA	Solid	6010B	305476

Analysis Batch: 306381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-123880-1	Mojave Overburden	Total/NA	Solid	6010B	305476

Lab Chronicle

Client: HTHG
Job ID: 570-123880-2
Project/Site: Mojave Overburden

Client Sample ID: Mojave Overburden
Lab Sample ID: 570-123880-1
Date Collected: 01/10/23 00:00
Matrix: Solid
Date Received: 01/12/23 10:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.96 g	50 mL	305476	02/21/23 06:53	GYR8	EET CAL 4
Total/NA	Analysis	6010B		10			306381	02/23/23 09:35	K1UV	EET CAL 4
	Instrument ID: ICP11									
Total/NA	Prep	7471A			0.49 g	50 mL	304542	02/16/23 17:55	CS5Z	EET CAL 4
Total/NA	Analysis	7471A		1			304861	02/17/23 15:42	C0YH	EET CAL 4
	Instrument ID: HG7									

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: HTHG
Job ID: 570-123880-2
Project/Site: Mojave Overburden

Laboratory: Eurofins Calscience

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	02-02-24

Method Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	EET CAL 4
7471A	Mercury (CVAA)	SW846	EET CAL 4
3050B	Preparation, Metals	SW846	EET CAL 4
7471A	Preparation, Mercury	SW846	EET CAL 4

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Sample Summary

Client: HTHG
Project/Site: Mojave Overburden

Job ID: 570-123880-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-123880-1	Mojave Overburden	Solid	01/10/23 00:00	01/12/23 10:15

Donald Burley

From: Adam Guernsey <aguernsey@hthglaw.com>
Sent: Tuesday, February 14, 2023 2:27 PM
To: Donald Burley
Subject: RE: Mojave Overburden Sample

EXTERNAL EMAIL*

Don,

Please run the sample. Thank you.

Best Regards,

ADAM K. GUERNSEY

HARRISON TEMBLADOR HUNGERFORD & GUERNSEY
MINING LAND USE NATURAL RESOURCES

2801 T STREET
SACRAMENTO, CA 95816
MAIN: 916.382.4377 • DIRECT: 916.228.4221 • FAX: 916.382.4380
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From: Donald Burley <Donald.Burley@et.eurofinsus.com>
Sent: Tuesday, February 14, 2023 2:23 PM
To: Adam Guernsey <aguernsey@hthglaw.com>
Subject: Mojave Overburden Sample

You don't often get email from donald.burley@et.eurofinsus.com. Learn why this is important

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Adam,

There is sufficient sample mass remaining to analyze TTLC (Total) CAM 17 Metals. Since the sample was collected 01/10/23, the Mercury holding time (28 days) has expired. We can still analyze for Mercury but it will be noted that the sample was analyzed past the holding time. The other metals are OK for holding time (6 months). Thank you.

Don

Eurofins Environment Testing Southwest, LLC
2841 Dow Avenue, Suite 100

Tustin, CA 92780

Phone : 714-895-5494
Direct : 657-212-3033
Mobile : 657-250-0198

Donald.Burley@ET.EurofinsUS.com
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Loc: 570
123880

Chain of Custody Record

TestAm
THE LEADER IN ENVIR

Eurofins Calscience
2841 Dow Ave Ste 100
Tustin, CA 92780

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Adam Guernsey	Site Contact: Tom Wilson	Date: 01/11/2023	COC No
HTHG	Tel/Fax: (916) 228-4221	Lab Contact: Don Burley	Carrier:	1 of 1 COCs
2801 T Street	Analysis Turnaround Time			Sampler
Sacramento CA 95816	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
	TAT if different from Below ____			Walk-in Client:
(916) 228-4221 FAX	☐ 2 weeks			Lab Sampling
Project Name Mojave Overburden	☑ 1 week			
Site Mojave Cement Plant	☐ 2 days			Job / SDG No
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	SW-846 Test Method 1311 TCLP	SW-846 Test Method 1312	Sample Specific Notes
Mojave Overburden	1/10/23	-	C		1	N	N		x	x	

570-123880 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd 18.4 Corr'd 18.4 | Therm ID No SC11 NL cc

Relinquished by: Tom Wilson	Company: CalPortland	Date/Time 1-11-23 7 30am	Received by:	Company: cc	Date/Time 1/12/23 10 15
Relinquished by:	Company:	Date/Time	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time	Received in Laboratory by:	Company:	Date/Time

Form No. CA-C-WI-002, Rev. 4.12, dated 6/12/2017

Login Sample Receipt Checklist

Client: HTHG

Job Number: 570-123880-2

Login Number: 123880
List Number: 1
Creator: Burley, Don

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	False	Sample splitting required for subcontract purposes.
Residual Chlorine Checked.	N/A	

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Appendix I.4

Water Quality Memorandum for the Mojave Life of Mine Reclamation Plan Amendment Project

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SESPE CONSULTING, INC.
A Trinity Consultants Company

MEMORANDUM

374 Poli Street, Suite 200 • Ventura, CA 93001 • Office (805) 275-1515 • Fax (805) 667-8104

Date: August 13, 2025

To: Alison Everhart, CalPortland Company

From: Brian Anderson, P.G. and John Hecht, P.E. Sespe Consulting, Inc.

Cc: Adam Guernsey and Mark Harrison, HTHJ

Re: Water Quality Memorandum for the Mojave Life of Mine Reclamation Plan Amendment Project

Background and Objectives

The CalPortland Company operates a vested limestone mining and processing operation, along with a cement manufacturing facility in Mojave, Kern County, California (the Facility). As part of the Facility's entitlements, CalPortland Company (CalPortland, or the Company) has a Reclamation Plan that was approved in 1979, which describes the reclamation activities and performance standards for the Facility. The Company is proposing to amend the Reclamation Plan to cover mined lands associated with limestone reserves that are presently outside of the Reclamation Plan boundary but within the vested mining area (the Project).

The Project site is located approximately 6 miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in Kern County, California. It is located on the United States Geological Survey (USGS) Monolith and Willow Springs 7.5-minute topographic quadrangles in all or portions of Sections 13 through 15, 23 through 28, 33, and 34, Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M); and portions of Sections 19 and 30 Township 11 North, Range 13 West (T11N, R13W) SBB&M.

The Project does not propose any change to the Company's existing production levels, mining systems or processes, or ultimate throughput from the Company's cement production facility. The Reclamation Plan Amendment is necessary to allow the Company to complete reclamation of mineral recovery activities throughout the vested Facility.

The purpose of this technical memo is to evaluate the relationship between the reclamation activities and the groundwater quality, using information presented in prior site-specific studies and review of available literature pertaining to the geologic and hydrogeologic setting, which is described below.

Additionally, discharges from the site are subject to the Water Quality Control Plan for the Lahontan Region (Basin Plan), administered by the Lahontan Regional Water Quality Control Board (the Board). The Basin Plan establishes water quality objectives and beneficial uses for groundwater and surface waters in the region. The technical findings in this memorandum provide the basis for determining whether the proposed reclamation activities could result in discharges that conflict with Basin Plan requirements. As discussed below, no such conflict is anticipated.

Geologic & Hydrogeologic Setting

Geology in the Project area is mapped as Paleozoic-age limestone and schist of the Bean Canyon series (Troxel & Morton, 1962), Mesozoic-age granitic rock (quartz monzonite), Miocene-age felsite dikes, and Quaternary-age alluvium (Dibblee, 1963; Dibblee and Louke, 1970). Limestone in the Project site area ranges from coarsely crystalline white and grayish-white to finer-grained, massive to banded, blue-gray to white. Some of the limestone contains more than 54 percent calcium oxide (Troxel & Morton, 1962). The limestone is bordered by quartz monzonite and related granitic rocks that form bold relief as strike ridges or as ovoid, isolated knobs. Granitic dikes penetrate the limestone bodies in many places and commonly the bodies are thoroughly shattered. The limestone strata strike northeast and in most places dip between 60 and 80 degrees southeast. A surficial geologic map showing the distribution of mapped units within the Project area is presented as Figure 1. Within the property boundary, mapped geologic units include Paleozoic metasedimentary rocks (pKm), primarily altered limestone, as well as schist; Mesozoic intrusive granitic rocks (gr); and a variety of Quaternary unconsolidated deposits, including alluvium (Qa), fan deposits (Qyf, Qf, Qof), and older terrace gravels (Qot). Artificial fill (af) is also present in areas of past disturbance.

Because the Project area is located at the Tehachapi Mountain-alluvial basin transition, groundwater conditions are likely to be variable. Within the granitic and limestone rock underlying much of the site, groundwater is expected to move principally through fracture flow. In contrast, in the alluvial aquifer immediately to the east, homogenous groundwater conditions are likely predominant. Although groundwater depths and flow directions are typically controlled by fracture orientation, void space, interconnectivity, and other factors, and thus can differ significantly both spatially and at depth, groundwater in the alluvial basin generally flows southeasterly (Duell, 1987). A study prepared by Ken Schmidt and Associates (2009), provided as Attachment A, determined that groundwater flow moves southeasterly on the west side of the plant site and more easterly to the east of the plant.

Based on the current reclamation plan design and the Geotechnical report prepared by Golder and Associates, at final reclamation, exposed groundwater is anticipated to occur at approximately 150 feet in Pit B. Mining below this depth to groundwater will occur via through sumps and/or extraction wells to allow dewatering of the pits.

Stormwater run-on into the pits may occur during large storm events; however, these surface flows would be contained within the mining pits. A majority of stormwater in contact with grading, contouring, and revegetation activities, collectively, reclamation, will be contained on-site. As such, stormwater is not expected to serve as a pathway for offsite discharge or adversely affect water quality. Moreover, in reclamation areas that do not drain to a sediment pond prior to discharge, additional erosion and sediment control measures, including straw wattles and revegetation consistent with the Revegetation Plan will be employed.

The following discusses the potential water quality impacts associated with the proposed Project.

Discussion

The primary groundwater quality considerations associated with reclamation activities relate to the potential for residual blasting agents in the overburden and the possible release of petroleum hydrocarbons from mobile equipment.

The vested mining operations currently utilize blasting agents to size the rock so that it can be processed using onsite portable equipment. The primary blasting agent is ammonium nitrate fuel oil (ANFO), which is typically used at mine sites in accordance with best management practices (BMPs) established by the Facility's existing

environmental protection plans. While blasting agents are not utilized for reclamation activities, residual constituents could be present in the case of incomplete detonation. Moreover, the mobile equipment employed during reclamation uses hydrocarbon-based fuels and lubricants, as well as nominal quantities of common coolant products.

At mine sites, bulk ANFO is placed into blasting holes, which upon detonation break apart the rock to initially size the material. Environmental risks associated with ANFO (NH^4NO^3) are site-specific and are related to characteristics such as the type of soil, the depth of the groundwater, presence of surface water, and the amount and infiltration rates of precipitation (Degnan et al., 2016). Additionally, the ammonia (NH^4) can also affect groundwater quality.

According to Forsyth et al. (1995), the mechanisms for the release of nitrates and ammonia to the environment from blasting agents include spillage during transport; dissolution (leaching) of explosives agents in "wet" blast holes; and undetonated explosives agents remaining in the rock following the blast. The potential consequential risks associated with use of ANFO can be avoided through proper handling, storage and use policies and procedures. At the Mojave Mine, the following blasting best practices are employed:

1) Handling of all blasting agents is limited to qualified and licensed blasting contractors at all times.
2) All blasting products are stored only in approved containers, specifically designed for the safe keeping of explosives.
3) Any spillage of ANFO or other explosives are immediately cleaned up and properly disposed of in strict accordance with applicable state and federal regulations.
4) The type of ANFO agent selected and utilized is appropriate for the specific operating conditions.
5) Blast holes are inspected prior to placement of the ANFO for potential saturation.
6) Blast patterns and loading controls are designed to minimize the length of explosive columns, assure proper stemming and achieve complete detonation.
7) A current inventory of the types and quantities, along with Material Safety Data Sheets are maintained onsite by qualified personnel. This relevant information is included in the mine site's pollution prevention plans, including the Hazardous Materials Business Plan and Stormwater Pollution Prevention Plan.

With these measures, the extent of residual ANFO is mitigated through the facility's operational practices and therefore, water quality impacts are minimized.

The Project would involve the use of gasoline and diesel-powered equipment and vehicles, as well as lubricants, during reclamation of the pits and stockpile areas. Refueling of off-road equipment (crawler drill, dozer, loader, grader, etc.) will primarily occur at the adjacent cement plant. In the case of mobile refueling within the Project area, these activities will be subject to the same procedures and controls as in the operational phase.

While not anticipated, an accidental spill or leakage of petroleum hydrocarbons (e.g., fuels or lubricants) from this equipment or vehicles could contaminate the soil and possibly groundwater contained in the pit sumps. The extent of contamination and the potential to be conveyed offsite in groundwater depends on the amount spilled, location, hydrologic conditions of the spill location, and the response to the spill.

However, with proper handling, potential impacts to water quality associated with mobile equipment fuels, lubricants and coolants during reclamation can be avoided with the continued implementation of the following existing best management practices (BMPs) and plans:

1) Any spillage of petroleum products, fuels, lubricants, or other chemicals shall be immediately cleaned up, and properly disposed of in strict accordance with applicable state and federal regulations.
2) A current inventory of the types and quantities, along with Safety Data Sheets, shall be maintained onsite by qualified personnel. Relevant storage, use, and clean-up information shall be included in the site's pollution prevention plans, including (but not limited to) the Spill Prevention, Control, and Countermeasures (SPCC) Plan, Hazardous Materials Business Plan, and Stormwater Pollution Prevention Plan (SWPPP).

Refuse generated within the proposed Project boundary that could affect water quality, will be hauled to the cement plant and be disposed of in an enclosed container, then transferred to an authorized off-site landfill facility, consistent with all applicable regulations. Thus, no refuse will be left within the proposed Project area that could negatively impact surface water quality.

While not anticipated, if a pit lake were to form in Pit B following cessation of dewatering, the geochemical composition of the host rock, predominantly limestone, would limit the potential for acid generation or mobilization of metals. As such, the potential for water quality degradation due to evapoconcentration of dissolved solids is considered low. The SPLP results discussed in the Overburden Sampling Memorandum (Sespe, 2025) support this conclusion, indicating no significant leaching potential for priority pollutant metals. Given the high neutralization potential of the limestone and absence of acid-generating material, pit water quality would not be expected to exceed ecotoxicity thresholds or adversely affect groundwater quality through seepage.

Conclusion

The impacts of an incidental release of hazardous substances associated with the proposed reclamation activities on surface and groundwater quality are considered less than significant because suitable measures would be implemented through federal and state regulations and implementation of the BMPs and pollution prevention plans.

Moreover, this assessment determined that the proposed Project reclamation activities would not interfere with the applicable regional water quality control plan or otherwise substantially degrade the quality of water resources resulting in a violation of the basin plan standards. Based on these findings, the Project's reclamation activities would not result in adverse direct or indirect effects on water quality.

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Figures and Attachments

Figure 1 – Geologic Map of Project Area

Attachment – Kenneth D. Schmidt & Associates (2009). Updated Hydrogeologic Report for Mojave Plant, CalPortland Company

Legend

CGS Contacts

- contact, identity and existence certain, location accurate
- contact, identity and existence certain, location approximate
- contact, identity and existence certain, location inferred
- contact, identity or existence questionable, location approximate
- contact; scratch, location approximate, or gradational
- detachment fault, identity and existence certain, location concealed
- detachment fault, identity or existence questionable, location approximate
- fault, identity and existence certain, location accurate
- fault, identity and existence certain, location approximate
- fault, identity and existence certain, location concealed
- fault, identity and existence certain, location inferred
- fault, identity or existence questionable, location accurate
- fault, identity or existence questionable, location approximate
- fault, identity or existence questionable, location concealed
- gradational contact, identity and existence certain, location accurate

CGS Geologic Units

- Qa
- Qe
- Qf
- Ql
- Qls
- Qoa
- Qoe
- Qof
- Qot
- Qss
- Qsu
- Qt
- Qvof
- Qw
- Qya
- Qye
- Qyf
- Qyl
- Qyt
- Qyw
- Tsh
- Tss
- Tv
- af
- gr
- pKm
- Project Boundary

0 0.3 0.6 1.2 1.8 2.4 Miles

N

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Figure 1
Geologic Map of Site Vicinity

Source: California Geological Survey Special Report 217 (Bedrossian et al., 2012)

KENNETH D. SCHMIDT AND ASSOCIATES
GROUNDWATER QUALITY CONSULTANTS
3701 PEGASUS DRIVE SUITE 112
BAKERSFIELD, CALIFORNIA 93308
TELEPHONE (661) 392-1630

RECEIVED
JUL 14 2009
By

July 2, 2009

Mr. Mike Kirby
Environmental Manager
CalPortland Company
9350 Oak Creek Road
Mojave, CA 93501

Re: Updated Hydrogeologic
Report for Mojave Plant

Dear Mike:

Submitted herewith is our updated hydrogeologic report. We appreciate the cooperation of you and Leo Mercy in providing basic data for this report.

Sincerely Yours,

Kenneth D. Schmidt
Geologist No. 1578
Certified Hydrogeologist
No. 176

KDS/pe





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APPENDIX A RESULTS OF 1994 NITRATE EVALUATION

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EXECUTIVE SUMMARY

1. Shallow groundwater at the CalPortland Company Mojave Plant has been monitored since 1987. Groundwater is present in relatively thin alluvial deposits and in the underlying weathered rock.

2. The plant is near the edge of the alluvial groundwater basin, and fine-grained deposits are more common below the water level. Yields of wells in the vicinity are low, and large-capacity wells aren't possible.

3. The direction of groundwater flow has been consistently to the southeast in the westerly part of the monitored area and to the east in the easterly part.

4. Water levels in the westerly part of the area have been shallow, and recharge is primarily from groundwater inflow from hardrock to the northwest. Water levels have generally been greater than 150 feet deep in the easterly part of the area and recharge is primarily from seepage of periodic streamflow in Oak Creek. Since 1972, there have only been four periods of streamflow large enough to significantly recharge the groundwater in this area.

5. High chromium and nitrate concentrations are present in the

shallow groundwater in an east-west trending area. The source of the chromium was the former kiln brick disposal area at the plant. Contaminated materials from this source were removed by 2004. Two sources of nitrate were found in the hardrock in the quarry area, which is upgradient of the alluvial monitor wells. Undetonated blasting materials in the quarry were removed in 2001. The other source is from a geologic unit and is natural.

6. In August 1990, a pilot groundwater remediation program began. Groundwater with high chromium and nitrate concentrations was pumped from several extraction wells and used at the plant. By 1995, the program had been expanded and was operating at full capacity. By the end of 2008, a total of 285 acre-feet of high chromium and high nitrate groundwater had been extracted.

7. Extraction well pumpage peaked during 1995-2002, during a period of shallow to moderate groundwater levels. After 2003, the extraction well pumpage decreased, as water levels fell. In 2008, extraction well pumpage was the lowest since the remediation program was fully developed. The reductions in extraction well pumpage in the east area are indicated to be due to water-level declines, as most of the alluvial deposits

were above the water level in 2006-08. In the western area, declines in extraction well pumpage have been partly due to water-level declines and apparently also due to extraction well plugging.

8. Concentrations of chromium and nitrate in the groundwater decreased substantially after extraction pumpage began. These decreases were the predominant trend through 2003. After extraction well pumpage decreased due to lowered water levels, concentrations of chromium and nitrate in water from some wells rose. Declining chromium and nitrate trends are expected in the future, once water levels rise and more extraction well pumpage is possible.

9. The groundwater remediation program has effectively controlled the downgradient movement of high chromium and high nitrate groundwater. There are no known water supply wells downgradient of and within four miles of the easterly extraction wells. Thus there is no threat to off-site water supply wells from the high chromium and nitrate groundwater in shallow groundwater at the plant.

UPDATED HYDROGEOLOGIC REPORT FOR CALPORTLAND COMPANY MOJAVE PLANT

INTRODUCTION

A number of hydrogeologic evaluations have been done for the CalPortland Company Mojave Plant, extending back to the late 1980's. The plant is located about eight miles west of Mojave. On February 24, 2009, the California Regional Water Quality Control Board, Lahonton Region, issued a Notice of Violation (NOV) to Cal-Portland Company. This NOV raised a number of hydrogeologic issues, most of which are related to a groundwater remediation program that was begun at the plant in 1990. A major issue was the effectiveness of this program on controlling high chromium and nitrate concentrations in groundwater beneath part of the plant property. The purpose of this report is to provide an updated hydrogeologic report, that provides basic information and addresses these hydrogeologic issues.

The first groundwater quality evaluation was done by Harding Lawson Associates in May 1987 and focused on high chromium concentrations in groundwater beneath part of the plant. As part of that evaluation, eleven monitor wells were installed and sampled. Kenneth D. Schmidt and Associates (KDSA) (1989) reported on the extent of high chromium and nitrate concentrations in groundwater at the Mojave plant. In June 1990, KDSA proposed a pilot project for groundwater remediation at the plant. Three monitor wells were

proposed for extraction, and this program began on August 20, 1990. The extracted water was used for process water at the plant (eventually becoming part of the cement). Six additional monitor wells were installed and sampled during 1990-91. Over the years the extraction program was expanded, to include easterly wells, and to increase the extraction capacity. The westerly wells are primarily in or near the vicinity of the former kiln brick disposal area (KBDA), which was found to be the source of the chromium in the groundwater. The easterly wells are near the former kiln dust disposal (KDBA), or farther east. Four additional monitor wells were installed in 1993. Figure 1 shows the existing network of extraction wells and monitor wells. In addition to the groundwater remediation program, contaminated soil and other materials in several areas were removed, as subsequently discussed.

MONITOR WELLS AND EXTRACTION WELLS

Table 1 provides construction data for these wells. There are presently seven extraction wells in the westerly area, and three in the eastern area. KDSA (1992, 1994, and 1995) reported on updates on the groundwater remediation program. Since that time, quarterly monitoring data has been submitted to the Regional Board in semi-annual monitoring reports. These include water-level elevation contour and direction of groundwater flow maps, hexavalent chromium and nitrate maps, and extraction well pumpage.

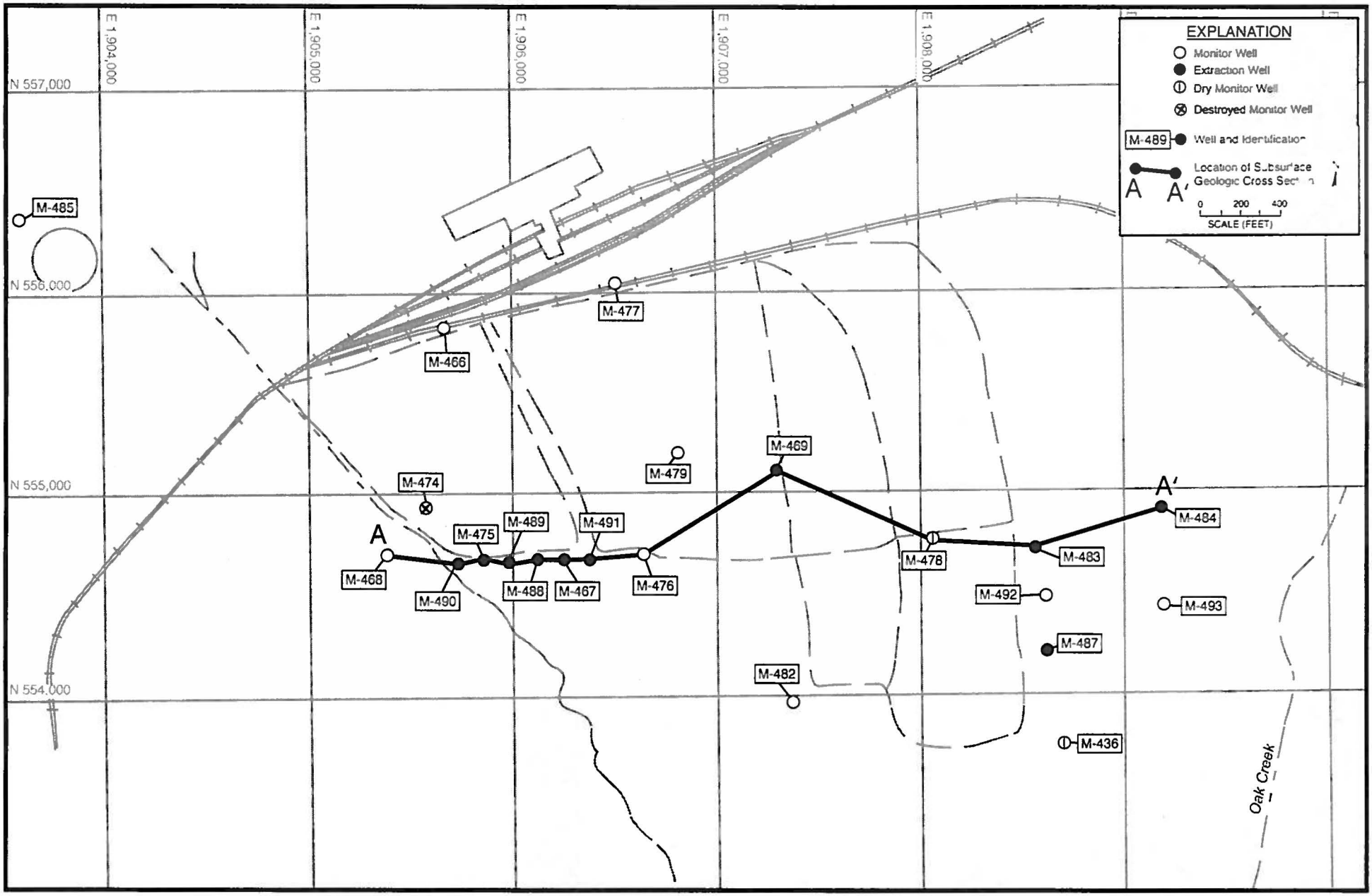


FIGURE 1 - LOCATION OF MONITOR WELLS, EXTRACTION WELLS, AND SUBSURFACE GEOLOGIC CROSS SECTION A-A'

TABLE 1-CONSTRUCTION DATA FOR MONITOR WELLS

No.	Date Drilled	Drilled Depth (feet)	Casing Diameter (inches)	Perforated Interval (feet)	Annular Seal (feet)
M-436	06/82	320	4	120-180	0-25 & 185-190
M-466	01/86	100	4	30-90	0-25
M-467	01/86	120	4	40-100	0-24
M-468	1986	95	4	-	-
M-469	1986	167	4	71-131	0-25
M-474	09/86	88	4	45-85	0-35
M-475	09/86	98	4	35-85	0-25
M-476	08/86	97	4	44-94	0-34
M-477	09/86	170	4	110-165	0-80 & 97-100
M-478	09/86	208	4	120-200	0-80 & 97-100
M-479	09/86	151	4	105-145	0-80 & 91-93
M-482	01/87	180	4	85-144	0-53
M-483	02/90	232	6	193-232	0-170
M-484	02/90	278	6	226-276	0-201
M-485	02/90	162	6	62-162	0-50
M-487	03/91	275	6	215-275	0-205
M-488	03/91	111	6	58-111	0-51
M-489	03/91	113	6	57-113	0-51
M-490	11/93	110	6	60-110	0-50
M-491	11/93	110	6	60-110	0-50
M-492	11/93	270	6	210-270	0-200
M-493	11/93	300	6	240-300	0-230

Well M-485 has a six-inch diameter steel casing inside a ten-inch diameter hole and taps hardrock. The other wells tap alluvial deposits and/or the underlying weathered rock, and have PVC casings. M-436 and M-478 have been dry for a number of years. M-474 was destroyed during excavation of the former kiln brick disposal area (KBDA).

SUBSURFACE GEOLOGIC CONDITIONS

Alluvial deposits beneath much of the plant are relatively thin and are underlain by weathered rock and hardrock. Groundwater is present in the alluvial deposits and in weathered rock. The saturated coarse-grained alluvial deposits have the highest water production. In the westerly area (near and east of the former KDBA), the alluvial deposits range from about 50 to 120 feet in thickness. Figure 2 is a subsurface geologic cross section, extending from west to east, through a number of monitor and extraction wells. In the westerly area, the alluvial deposits are primarily sand or gravel. Two of the westerly extraction wells (M-467 and M-491) are perforated only opposite alluvial deposits, while wells farther west along this section are generally perforated opposite both alluvial deposits and weathered rock. The thickness of the weathered rock in this area ranges from about 10 to more than 45 feet. There is a subsurface depression at or near M-467, where the alluvial deposits are the thickest (about 120 feet thick). There is a hardrock high farther east at or near M-476, and the alluvial deposits are only about 50 feet thick at that location.

The alluvial deposits thicken substantially in the area east of M-476, to about 170 feet thick at M-478 and about 230 feet thick at M-484. Fine-grained deposits are more common at depth in the easterly area, particularly just above the weathered rock. The

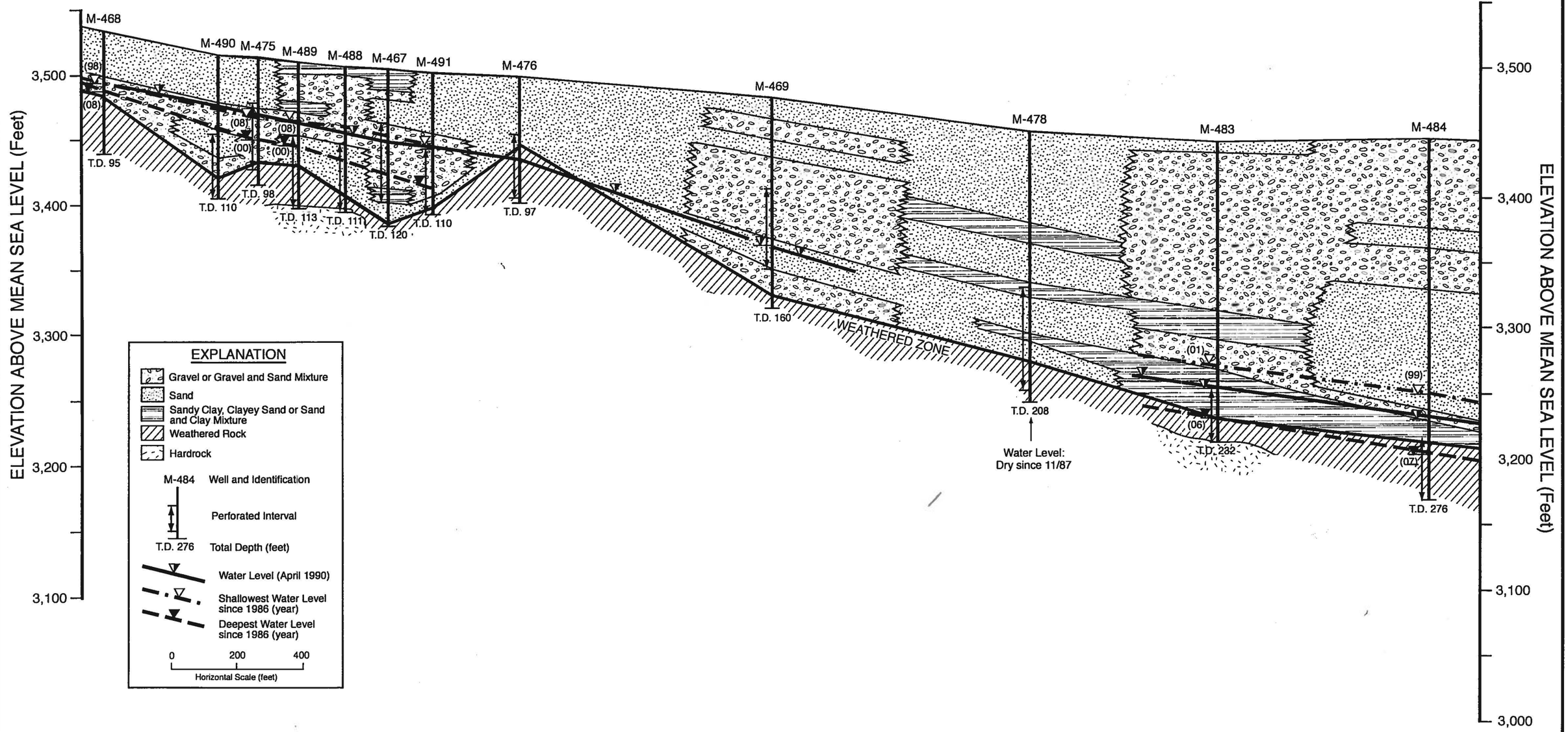


FIGURE 2 - SUBSURFACE GEOLOGIC CROSS SECTION A - A'

weathered rock in the easterly area ranges from 15 feet to more than 45 feet in thickness. The fine-grained deposits just above the weathered rock are up to 40 feet thick in the easterly area.

The shallowest and deepest static water levels since 1986 are also shown on Figure 2. Figure 2 shows that from about a third to a half of the alluvial deposits in the westerly area that are saturated during periods of shallow water levels have been above the water level during periods of deep water levels. In the easterly area, some coarse-grained deposits have been saturated when water levels have been relatively shallow. When water levels are deep in the easterly area, the alluvial deposits are above the water level, and groundwater is thus present only in the weathered rock. Water levels are discussed in more detailed in the following section of this report. In general, the lowest water production is from the fine-grained alluvial deposits and the weathered rock.

PRECIPITATION RECORDS

Monthly precipitation records are available for Tehachapi (elevation 4,017 feet) since 1931. The annual average precipitation has been 11.2 inches. The maximum annual precipitation was 27.8 inches in 1983 and the minimum was 4.0 inches in 1959. Since 1996, the maximum annual precipitation was 22.8 inches in 1998, and the lowest annual precipitation was 5.9 inches in 2007. A review of water-level records for Well 29M1 (discussed in next section)

and these precipitation records indicates that significant stream-flow in the lower reach of Oak Creek (near the east wells) has occurred only four times since 1972.

WATER LEVELS

Water-Level Elevations and Direction of Groundwater Flow

Figure 3 shows water-level elevations and the direction of groundwater flow for April 15, 2009. Water-level elevations on April 15, 2009 ranged from 3,520 feet above mean sea level at M-466 to 3,212 feet at M-484. Similar maps have been prepared on a quarterly basis for many years and generally show the same patterns. The direction of groundwater flow has consistently been to the southeast in the westerly area and to the east in the easterly area.

Water-Level Hydrographs

Long-Term

Water levels in CalPortland Test Well No. 2 (T11N/R14W-29M1) have been measured since 1954. This unused exploratory well was constructed in 1954 and has perforated casing from 520 to 724 feet in depth. This well is located east of Oak Creek, which passes through the area east of the easterly monitor and extraction wells (Figure 15). Well No. 2 is located 4,660 feet southeast of M-483, and alluvial deposits are indicated to be more than 700 feet thick

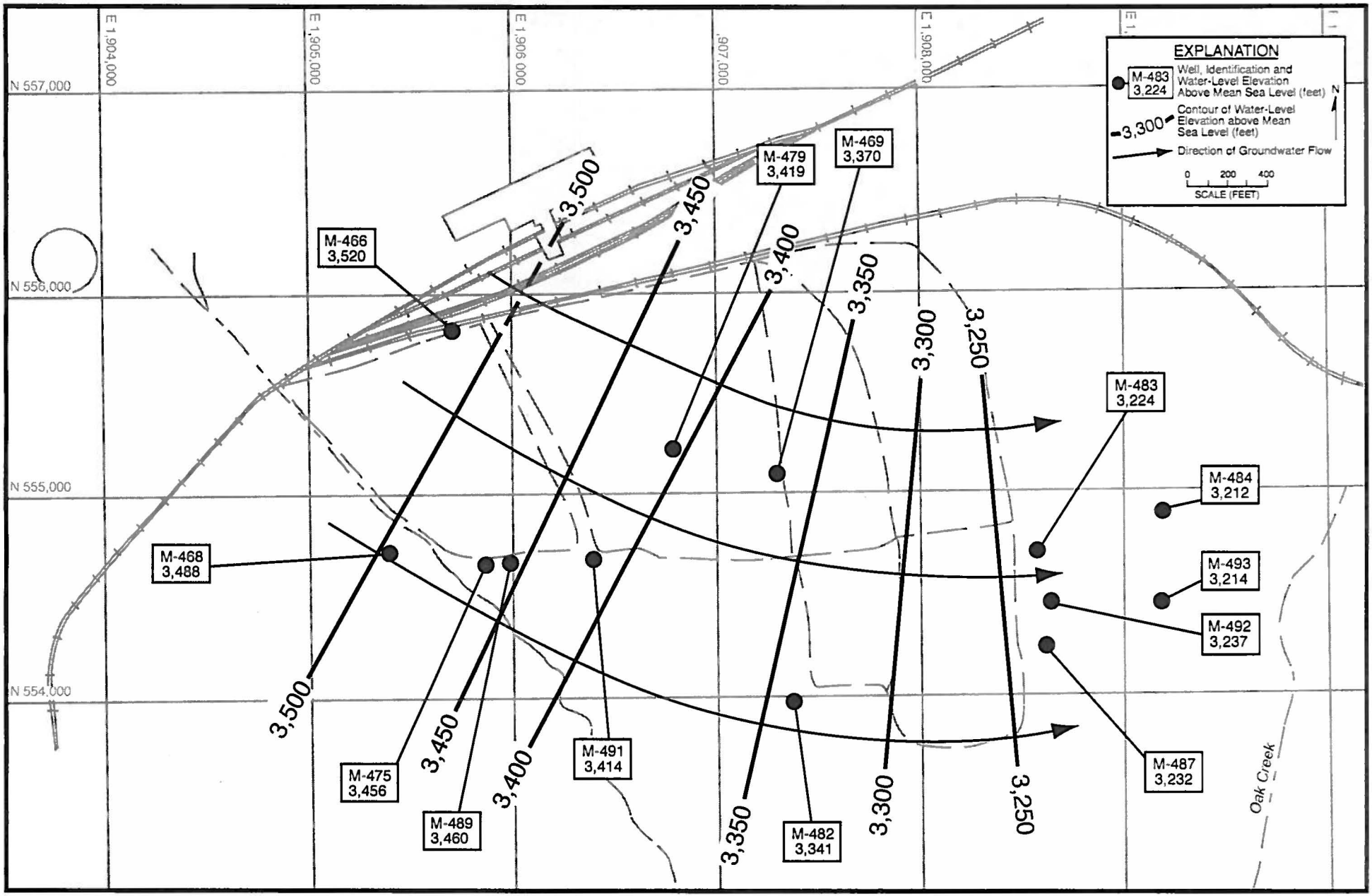


FIGURE 3 - WATER-LEVEL ELEVATION CONTOURS AND DIRECTION OF GROUNDWATER FLOW (APRIL 15, 2009)

at this well. Depth to water in Well No. 2 has ranged from about 278 to 344 feet (Figure 4). The shallowest water level was in November 1984 and the deepest was in March 2008. There were large water-level rises in this well in 1979-80, 1983-84, 1993-95, and in 1998. These rises coincided with periods of significant streamflow in Oak Creek, which is upgradient of Well No. 2. Recharge from creek seepage is indicated to be the major source of recharge to groundwater in the alluvial deposits in and near the east area. Streamflow is uncommon in this reach of Oak Creek. When there has been no streamflow for prolonged periods, the water level in Well No. 2 has fallen substantially. For example, the water level in this well fell almost 60 feet during 1985-92, or at an average of almost eight feet per year.

Plant Monitor and Extraction Wells

Water-level measurements are available since late 1986 for some of the wells in the westerly area (Figure 5). M-466 is a monitor well located north of the westerly extraction wells, and beyond the influence of pumping from these wells. M-468 is a monitor well located west of the extraction wells. Water levels in this well have shown little influence of the extraction well pumpage. Depth to water in M-464 has ranged from 36 to 46 feet and the water level has been about ten feet deeper during dry periods. Depth to water in M-468 has ranged from 37 to 47 feet and the water level

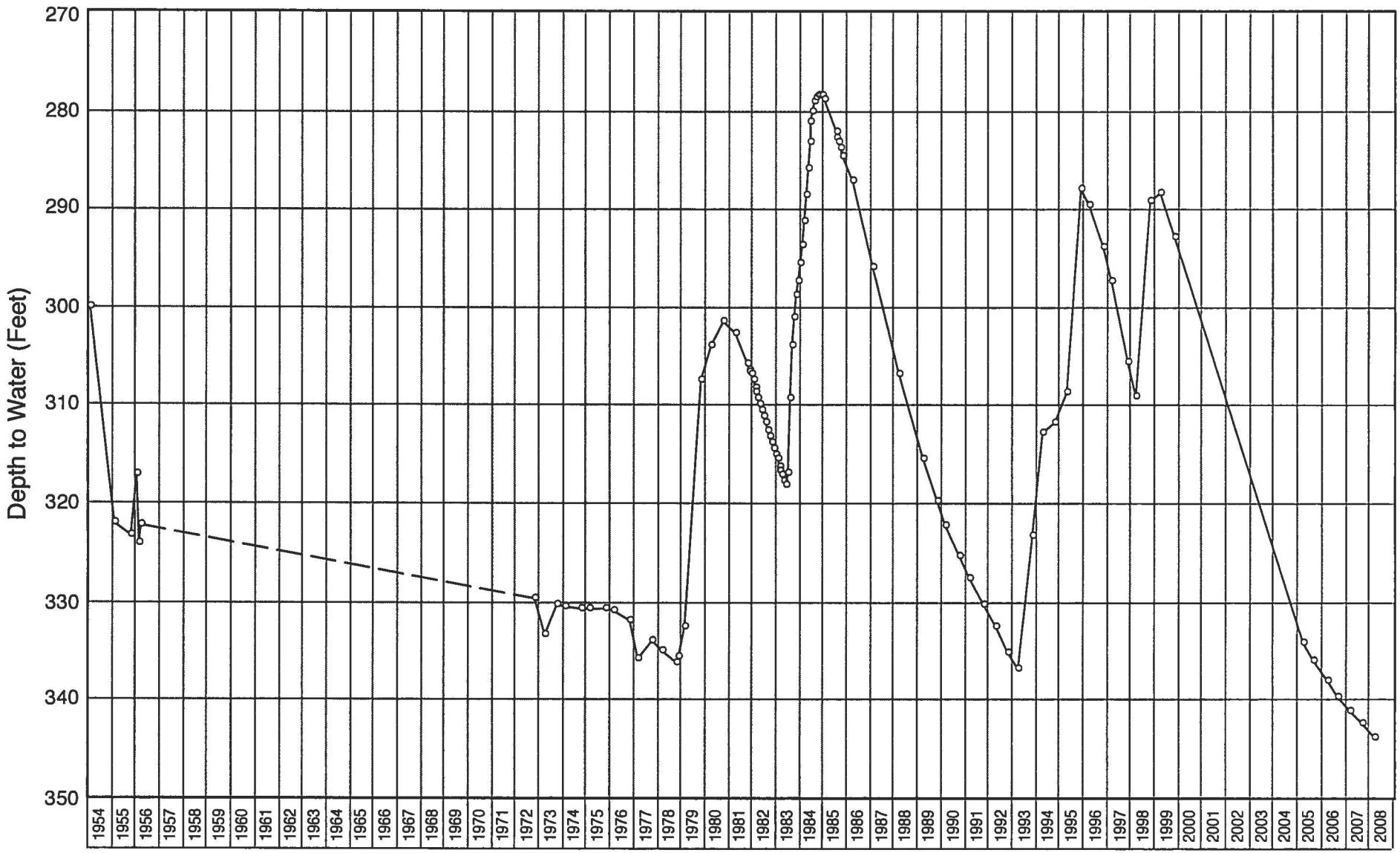


FIGURE 4 - LONG-TERM WATER-LEVEL HYDROGRAPH FOR WELL T11N/R13W-29M1
(PLANT WELL NO. 2)

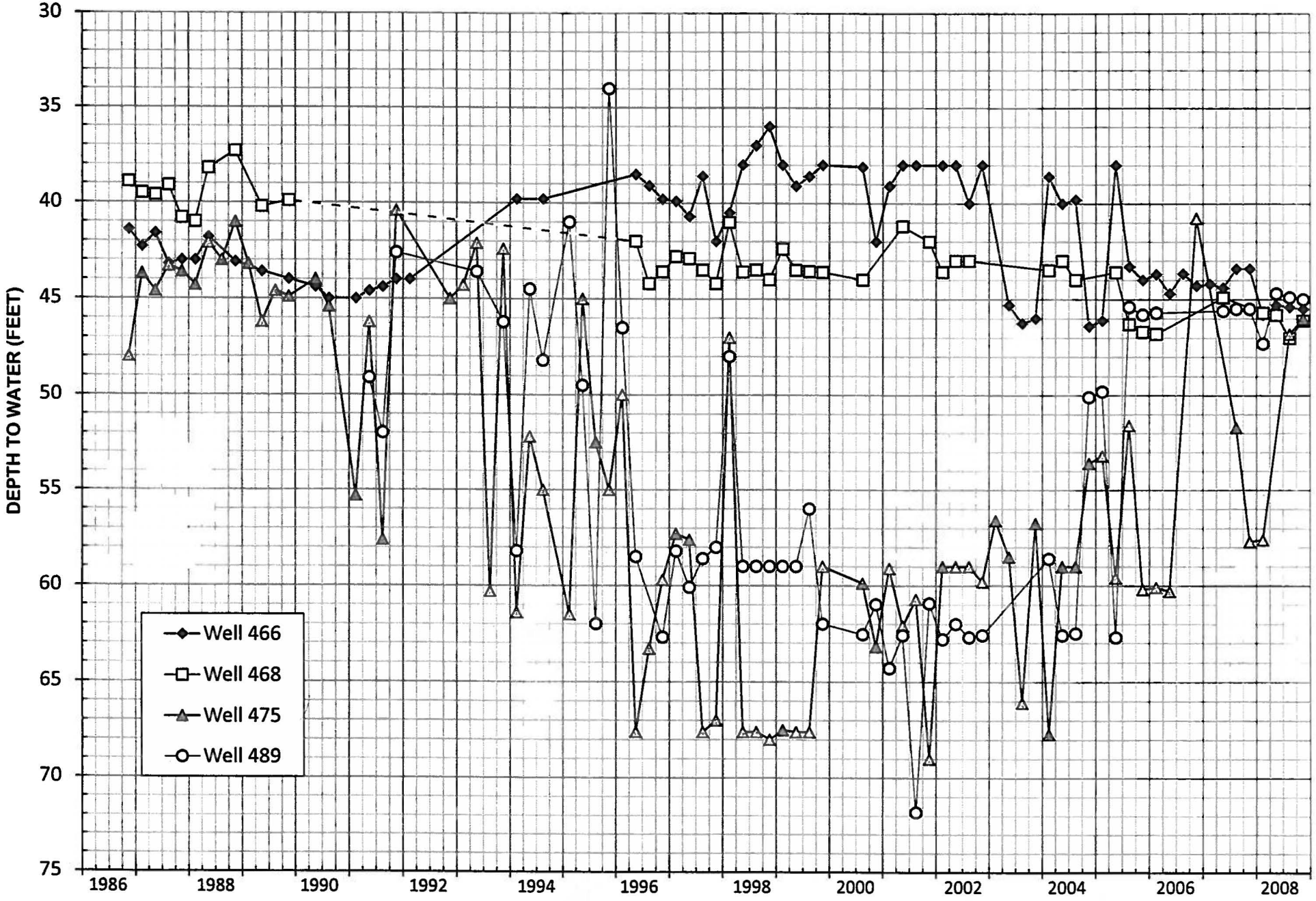


FIGURE 5-WATER-LEVEL HYDROGRAPHS FOR WELLS IN WESTERLY AREA

has been from five to ten feet deeper during dry periods. The major source of recharge to groundwater in the west area is groundwater inflow from hardrock to the northwest, as opposed to directly from Oak Creek seepage.

M-475 and M-489 are in the west part of the westerly area, and water levels in these wells have been primarily influenced by extraction well pumpage, and secondarily by groundwater inflow. The deepest water levels in M-475 were generally during 1996-99, and the deepest levels in M-489 were during 2000-04. Water levels in M-475 and M-489 generally fell as the extraction extraction well pumpage increased through 1998, then rose after pumpage from the westerly extraction wells decreased significantly (after 2003). The water-level trends for these wells suggest that at least part of the decrease in extraction pumpage from the westerly wells was due to well plugging. That is, water-level declines during dry periods don't appear to have been large enough to explain the large decrease in extraction well pumpage (discussed in the next section).

Figure 6 shows water-level hydrographs for wells in the east area. Records are available for these wells since the early 1990's. Since about 1995, water levels trends in these wells have been similar to those for Well 29M1 (Plant Well No. 2). Water levels in the easterly wells were relatively shallow in 1996-97, 2000-01, and in most of 2004. The deepest levels of record for these

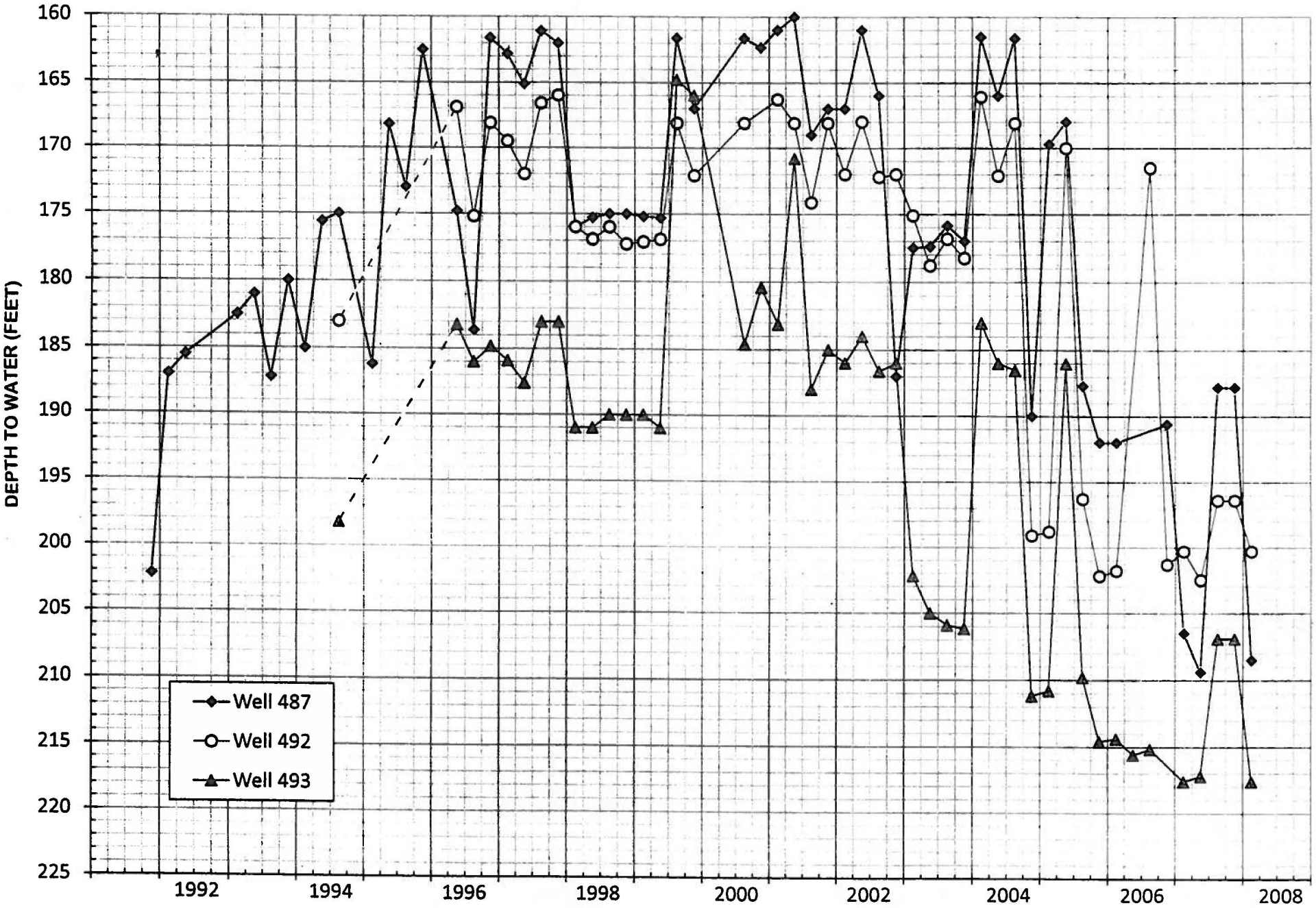


FIGURE 6-WATER-LEVEL HYDROGRAPHS FOR WELLS IN EASTERLY AREA

wells were during 2006-08. During the later period, water levels in the easterly extraction wells were below the permeable deposits, primarily in the weathered rock. Water levels in the east wells depend highly on streamflow in the reach of Oak Creek near the wells.

EXTRACTION WELL PUMPAGE

History of Groundwater Remediation Program

The pilot groundwater remediation program began on August 20, 1990 and comprised pumping from M-467, M-469, and M-475. M-488 and M-489 were added in June 1991. The first easterly extraction wells (M-483 and M-487) were added in early 1992. Two additional westerly wells (M-490 and M-491) were added In August 1994. In 1992, KDSA estimated that there were about 25 gpm of high chromium groundwater moving in the plume, when water levels were shallow or moderately deep. The calculations were based on Darcy's Law, using a transmissivity of 1,000 gpd per foot and average hydraulic gradient of 350 feet per mile.

Table 2 shows pumpage from the west and east extraction wells since 1990. A total of 285 acre-feet had been pumped from these wells through the end of 2008. The peak pumpage was during 1995-2002, and ranged from about 20 to 34 acre-feet per year. This is equivalent to an annual average pumping rate of from 13 to 22 gpm. Total pumpage from the west wells was 101 acre-feet and from the

TABLE 2-EXTRACTION WELL PUMPAGE SUMMARY

	Annual Pumpage in Acre-Feet		
Year	Westerly Wells	Easterly Wells	Total
1990	2.3	0	2.3
1991	6.0	0	6.0
1992	0.5	2.1	2.6
1993	1.0	2.2	3.2
1994	6.8	7.3	14.1
1995	9.6	14.4	24.0
1996	11.3	15.4	26.7
1997	10.4	23.2	33.6
1998	9.7	18.4	28.2
1999	8.8	21.6	30.4
2000	6.5	23.2	29.6
2001	5.0	14.9	19.9
2002	5.3	16.6	21.9
2003	4.1	10.7	14.8
2004	2.9	4.3	7.2
2005	3.0	3.9	6.9
2006	4.1	1.5	5.6
2007	3.4	3.5	6.9
2008	0.4	0.7	1.1
Total	101.1	183.9	285.0

The westerly extraction well pumpage began on August 20, 1990 and the easterly extraction well pumpage began in December 1991.

east wells was 184 acre-feet. Peak pumpage from the west wells was during 1995-99 and ranged from 8.8 to 10.4 acre-feet per year. Peak pumpage from the easterly wells was during 1997-2000, and ranged from 18.4 to 23.2 acre-feet per year. Since 1995 when the program became fully operational, the lowest annual pumpage from all of the extraction wells was during 2004-08. Total annual pumpage during 2004-07 ranged from about six to seven acre-feet per year. In 2008, only about one acre-foot of water could be pumped.

It is obvious from a review of the subsurface cross section and water-level hydrographs, that pumpage from the east extraction wells has been constrained in recent years by deep water levels, which have resulted in most of the productive strata being above the water level. The deep water levels are a result of a prolonged period of no streamflow in the nearby reach of Oak Creek. In contrast, the water-level declines in the west wells appear to explain the loss of up to one-half of the production (compared to when the water levels were shallow). The rest of the decline in production is probably due to plugging of the well perforations. This is to be evaluated by television surveys of the west extraction wells.

GROUNDWATER QUALITY

Geographic Distribution of Chromium

Figure 7 shows hexavalent chromium concentrations in water

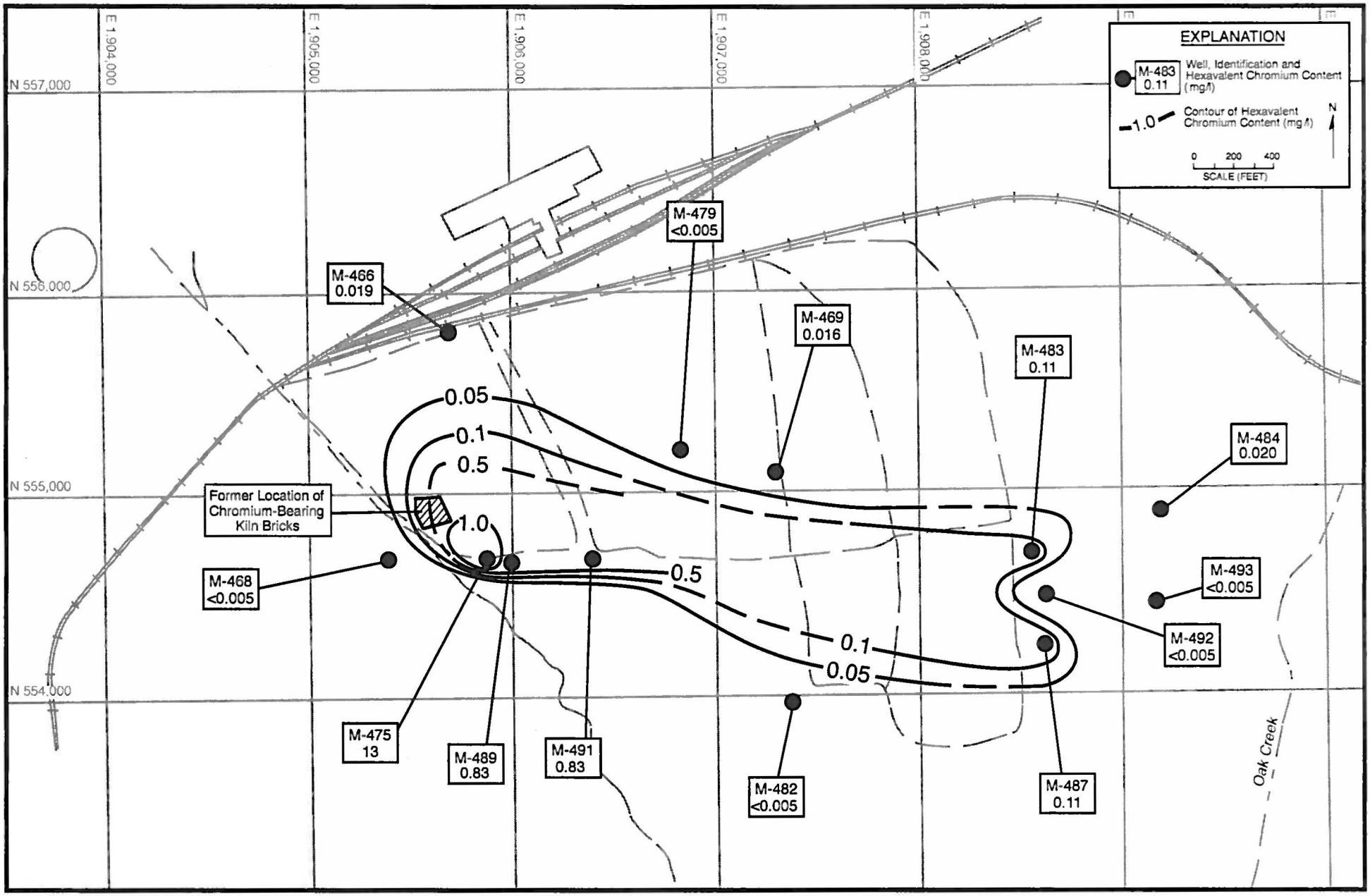


FIGURE 7 - HEXAVALENT CHROMIUM CONTENTS IN GROUNDWATER (APRIL 15, 2009)

from the extraction and monitor wells on April 15, 2009. The highest concentration (13 mg/l) was in water from M-475, downgradient of the former Kiln Brick Disposal area (KBDA). Chromium contaminated brick and soil were removed, and the landfill was capped and closed in 2004. Hexavalent chromium concentrations in water from two downgradient monitor wells located several hundred feet to the east were 0.83 mg/l. Water from two easterly wells (M-483 and M-487) were 0.11 mg/l, exceeding the MCL of 0.05 mg/l. The chromium concentrations thus decreased substantially in the downgradient direction. The pattern of high hexavalent chromium concentrations was consistent with the direction of groundwater flow. Hexavalent chromium concentrations in the two most easterly wells were below the MCL. This pattern has been consistently observed during groundwater monitoring, except that hexavalent chromium concentrations in groundwater were much higher (particularly near the former KDBA) prior to the initiation of the groundwater remediation program.

Geographic Distribution of Nitrate

Figure 8 shows nitrate concentrations in water from the extraction and monitor wells on April 15, 2009. Nitrate concentrations in water from two wells (M-465 and M-489) ranged from 590 to 660 mg/l. Nitrate concentrations in water from two wells in the easterly area (M-483 and M-487) were 130 mg/l. Nitrate concentra-

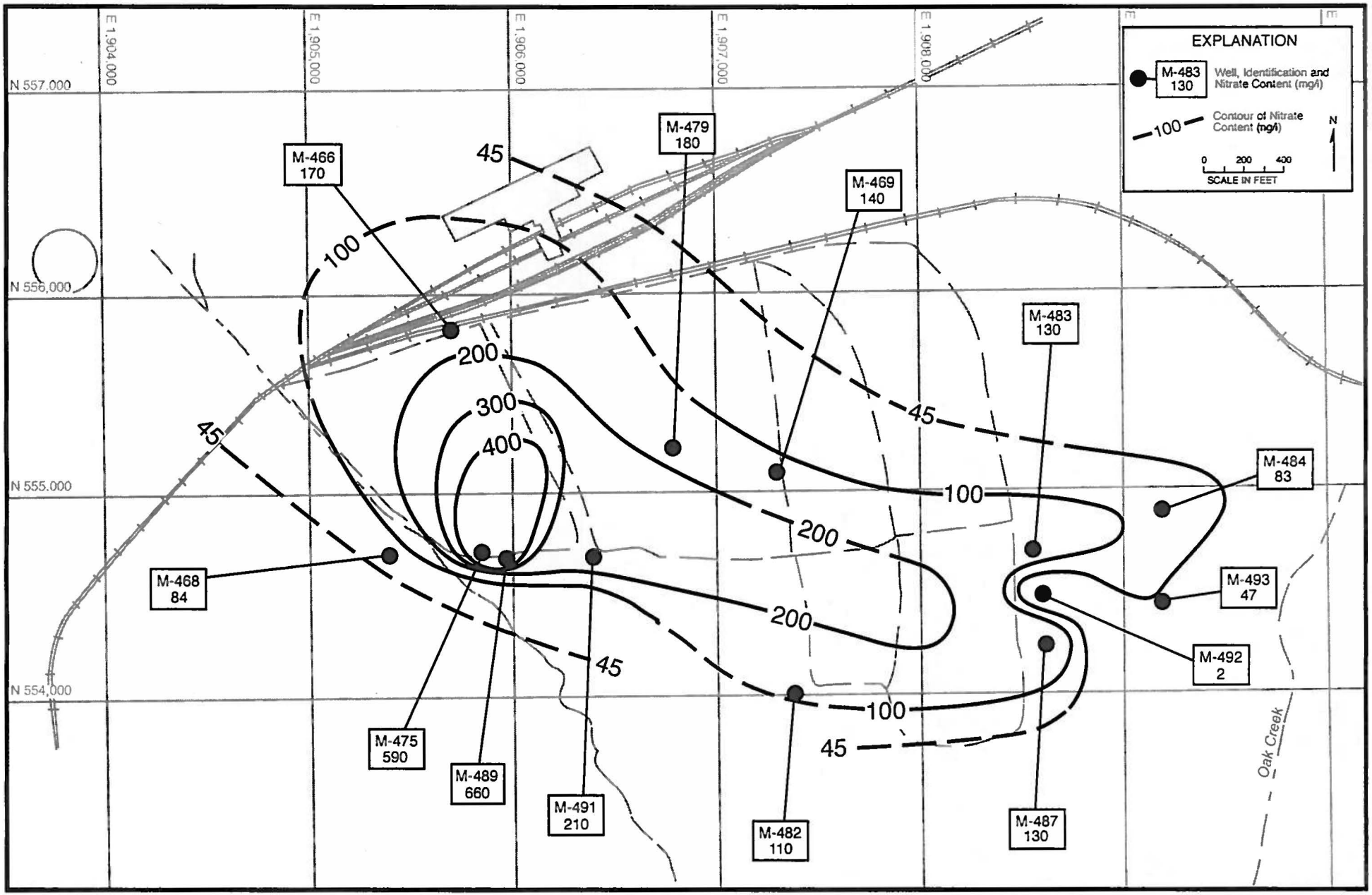


FIGURE 8 - NITRATE CONTENTS IN GROUNDWATER (APRIL 15, 2009)

tions in the two most easterly wells (M-484 and M-493) ranged from 47 to 83 mg/l, exceeding the MCL of 45 mg/l.

Nitrate concentrations generally followed a similar pattern to those for hexavalent chromium. However, a major difference was that nitrate concentrations weren't low in the area upgradient of the westerly wells. This is because there has been upgradient sources of nitrate in the quarry upgradient of the monitor wells.

Leo Mercy conducted an evaluation of nitrate concentrations in groundwater in the hardrock area northwest of the alluvial monitor wells in 1994. He found that high nitrate concentrations in that area were due to natural nitrogen in a shale unit and undetonated blasting materials (containing nitrogen) in the quarry. The undetonated blasting materials in the quarry were removed in March 2001. Appendix A contains the results of that evaluation. Figure 9 shows nitrate concentrations in groundwater in the alluvium and in the hardrock to the northwest in December 1994. A northwest-trending area containing more than 200 mg/l of nitrate extends upgradient of the alluvial monitor wells. Thus background nitrate concentrations in groundwater up-gradient of the alluvial wells exceed the MCL of 45 mg/l.

Time Trends for Chromium Concentrations

Besides the groundwater extraction program, chromium contaminated kiln bricks and soil in the former KBDA were removed in

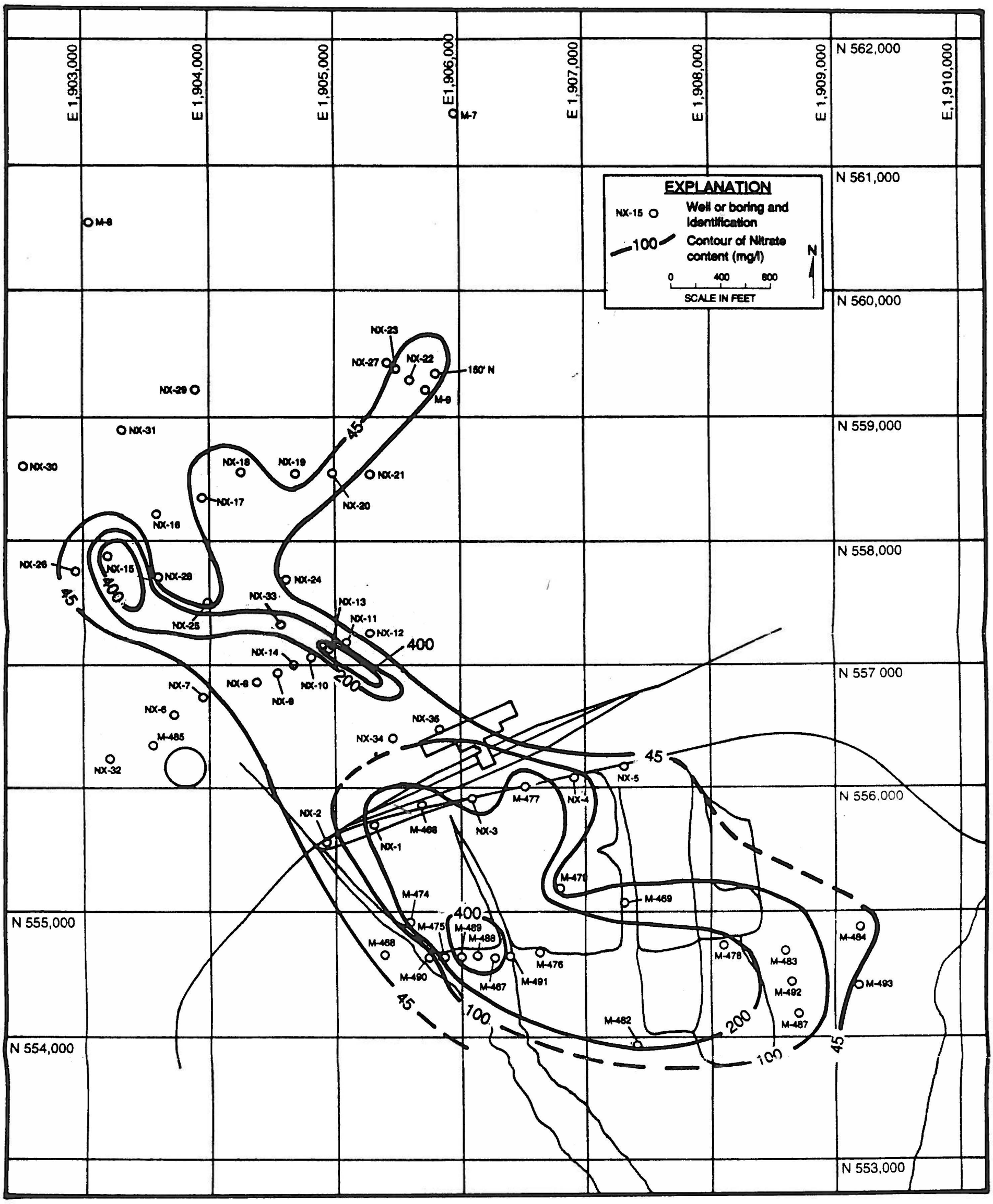


FIGURE 9 - NITRATE CONTENTS IN GROUNDWATER (DECEMBER, 1994)

November 2003.

Westerly Wells

Figure 10 shows hexavalent chromium concentrations in water from monitor wells and extraction wells in the westerly area from 1993-2009. Hexavalent chromium concentrations in water from M-466 and M-468 (north and west of the former KDBA) have generally been below the MCL of 0.05 mg/l and stable. Hexavalent chromium concentrations in water from M-489 have decreased significantly since the groundwater remediation program began. Hexavalent chromium concentrations in water from M-475 have also decreased considerably (from over 40 mg/l in 1997, 1999, and 2000) to less than 15 mg/l in late 2008 and in 2009. M-479 is located north of the chromium plume, and hexavalent chromium concentrations in water from this well have stayed low. Hexavalent chromium concentrations in water from M-491 decreased through 2005, to less than 0.1 mg/l, then apparently increased temporarily in 2006-07 as the extraction rates decreased, in some cases to near values in the mid-1990's. However, more representative samples, collected after prolonged pumping, had low concentrations (well below the MCL in 2008). Part of the reason for the large variability in hexavalent chromium concentrations in water from some wells, is that samples from extraction wells haven't been collected after the same duration of pumping during different sampling rounds, partly due to the low amounts of pumpage

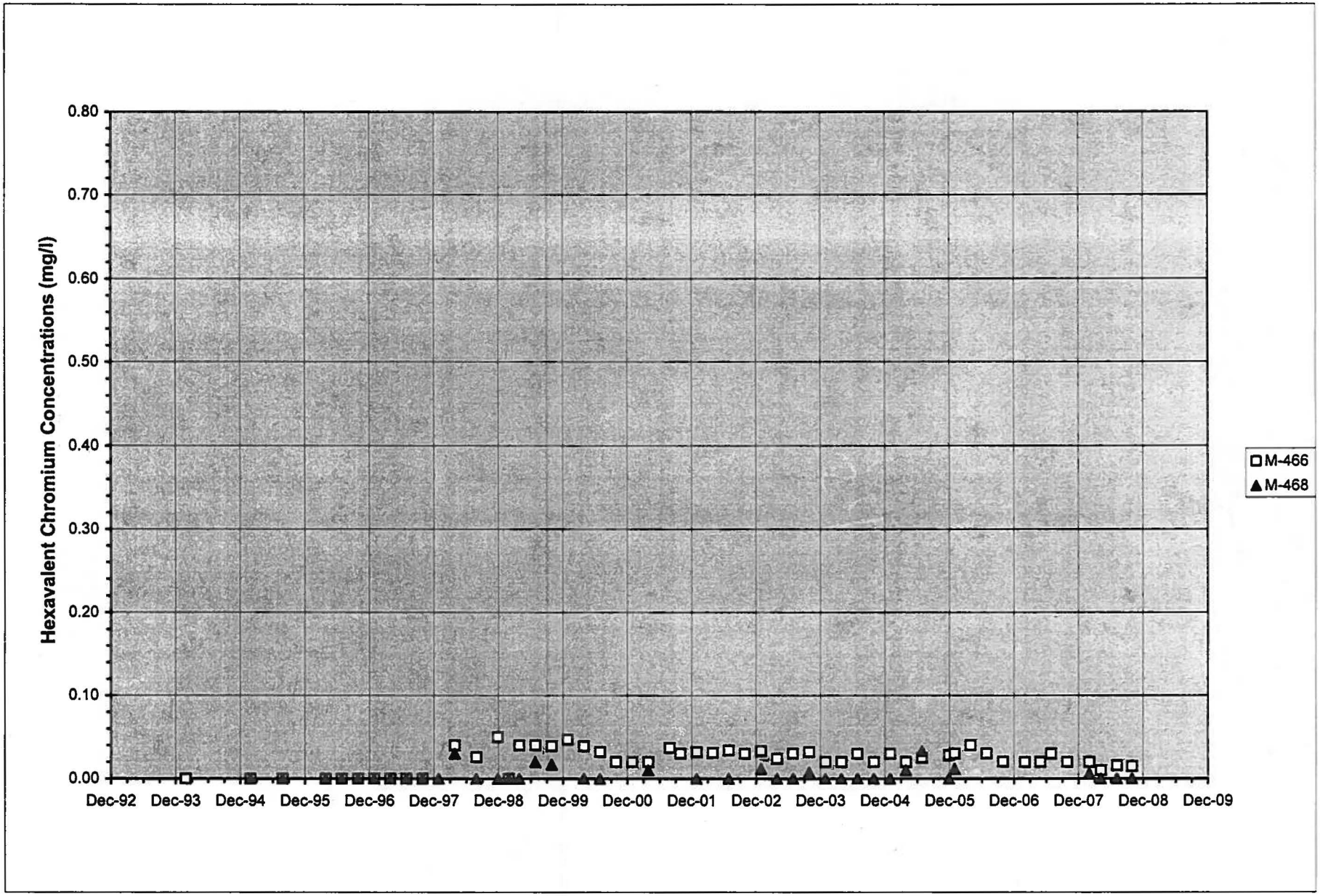


FIGURE 10-HEXAVALENT CHROMIUM CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

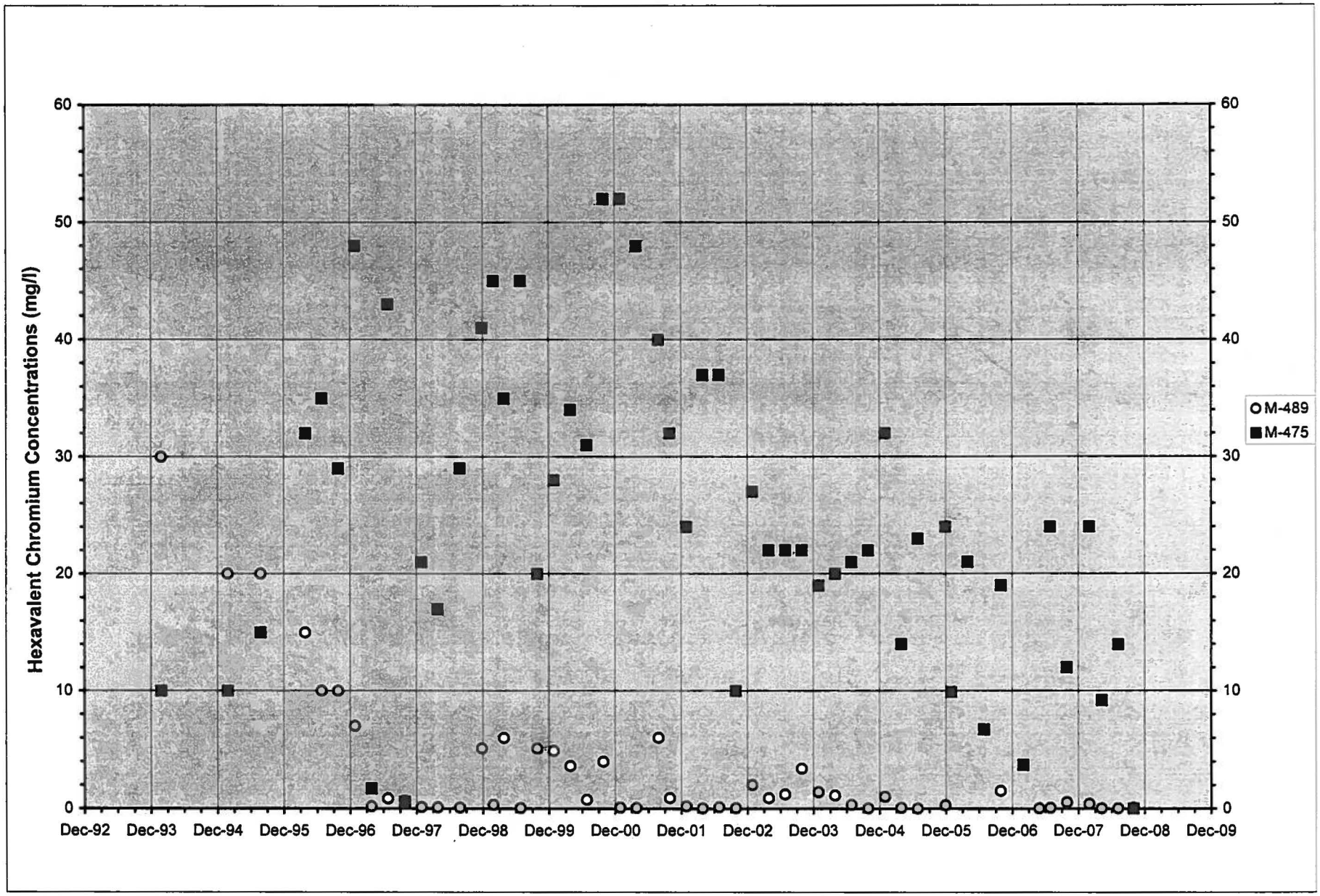


FIGURE 10-HEXAVALENT CHROMIUM CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

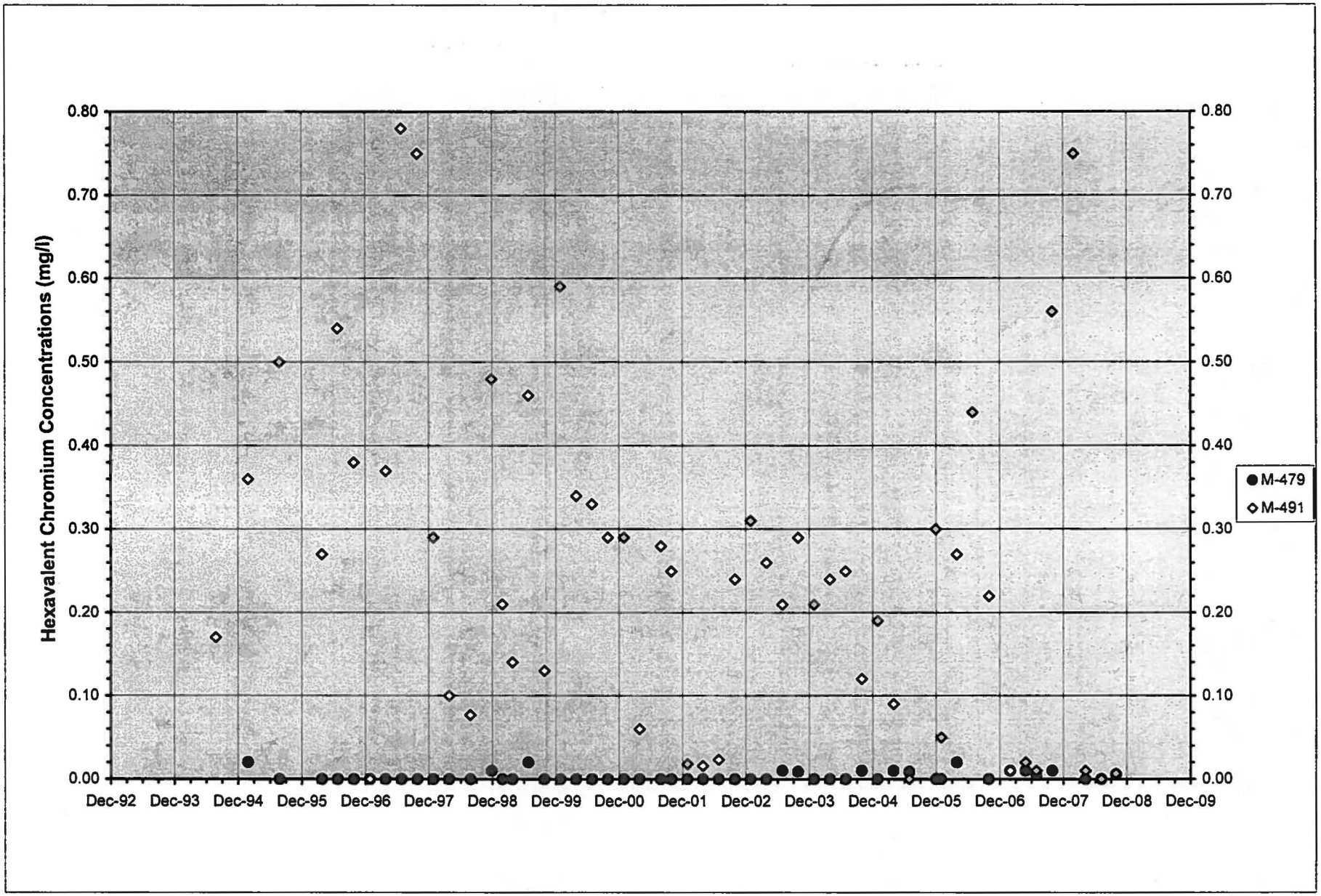


FIGURE 10-HEXAVALENT CHROMIUM CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS

possible. An effort is being undertaken to remedy this situation.

Easterly Wells

Figure 11 shows hexavalent chromium concentrations in the east wells. Concentrations in M-469 have usually been low (less than 0.1 mg/l), except for temporary higher concentrations in 1997 and 2001 (0.15 to 0.35 mg/l). Hexavalent chromium concentrations in water from M-482 have generally been low, and below the MCL, as this well is located south of the chromium plume. M-483, M-492, and M-487 are generally located in a north-south configuration and are father to the east. Hexavalent chromium concentrations in water from M-483 were relatively stable (about 0.1 mg/l) from 1994 to 1998, then generally decreased through 2005 to below the MCL. After 2005, hexavalent chromium concentration in water from M-483 temporarily increased, as the extraction rate for the east wells declined. Hexavalent chromium concentrations in water from M-492 decreased after 1997, from an average of about 0.08 mg/l to about 0.02 mg/l or less after 2002. Hexavalent chromium concentrations in water from M-487 generally decreased after 1997, from an average of about 0.08 mg/l to less than the MCL by 2003. After extraction rates decreased in recent years, some anomalously high values were periodically obtained. These appear to be due to sampling procedures, whereby the wells weren't pumped long enough to obtain representative samples. M-484 and M-493 are in a north-south con-

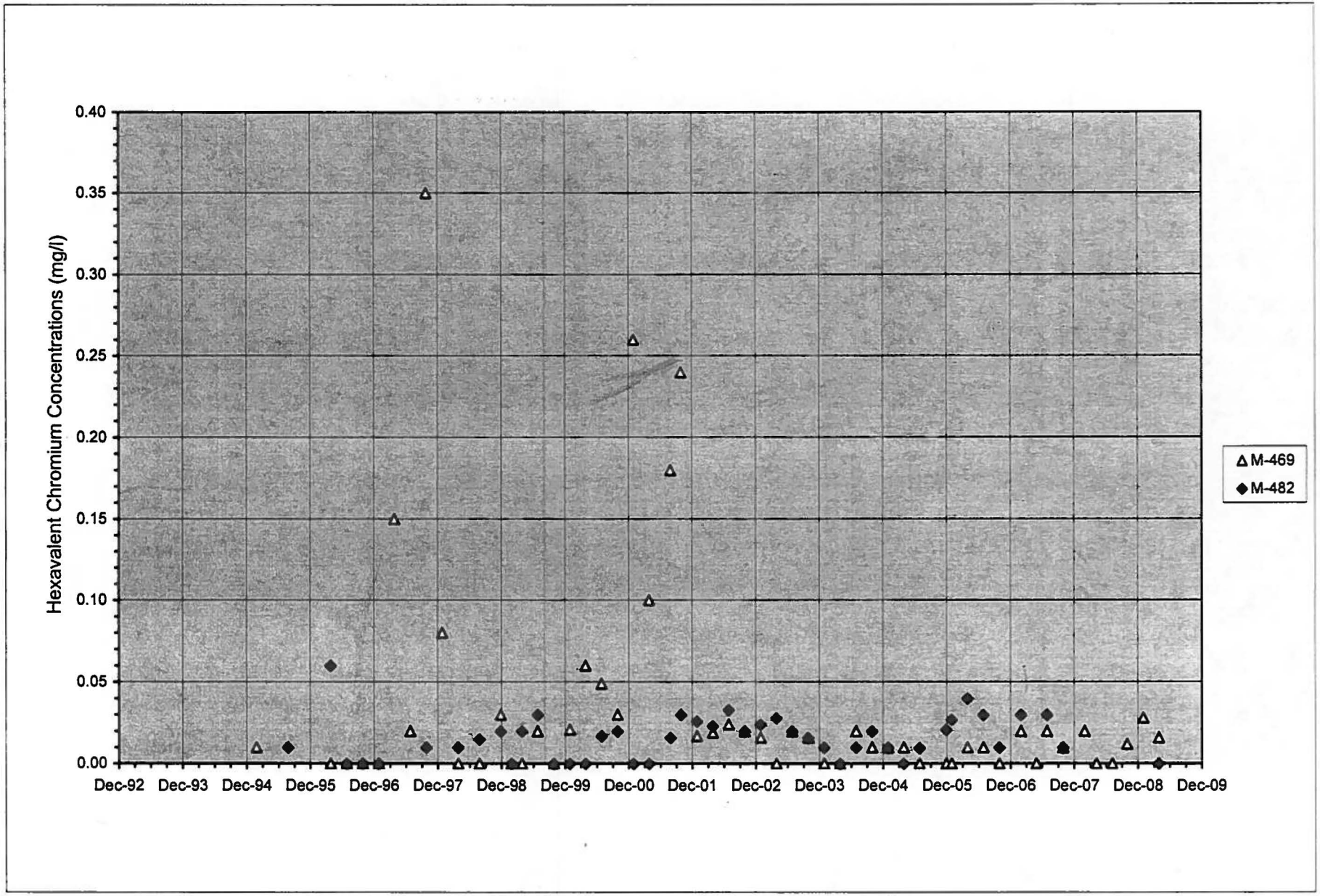


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

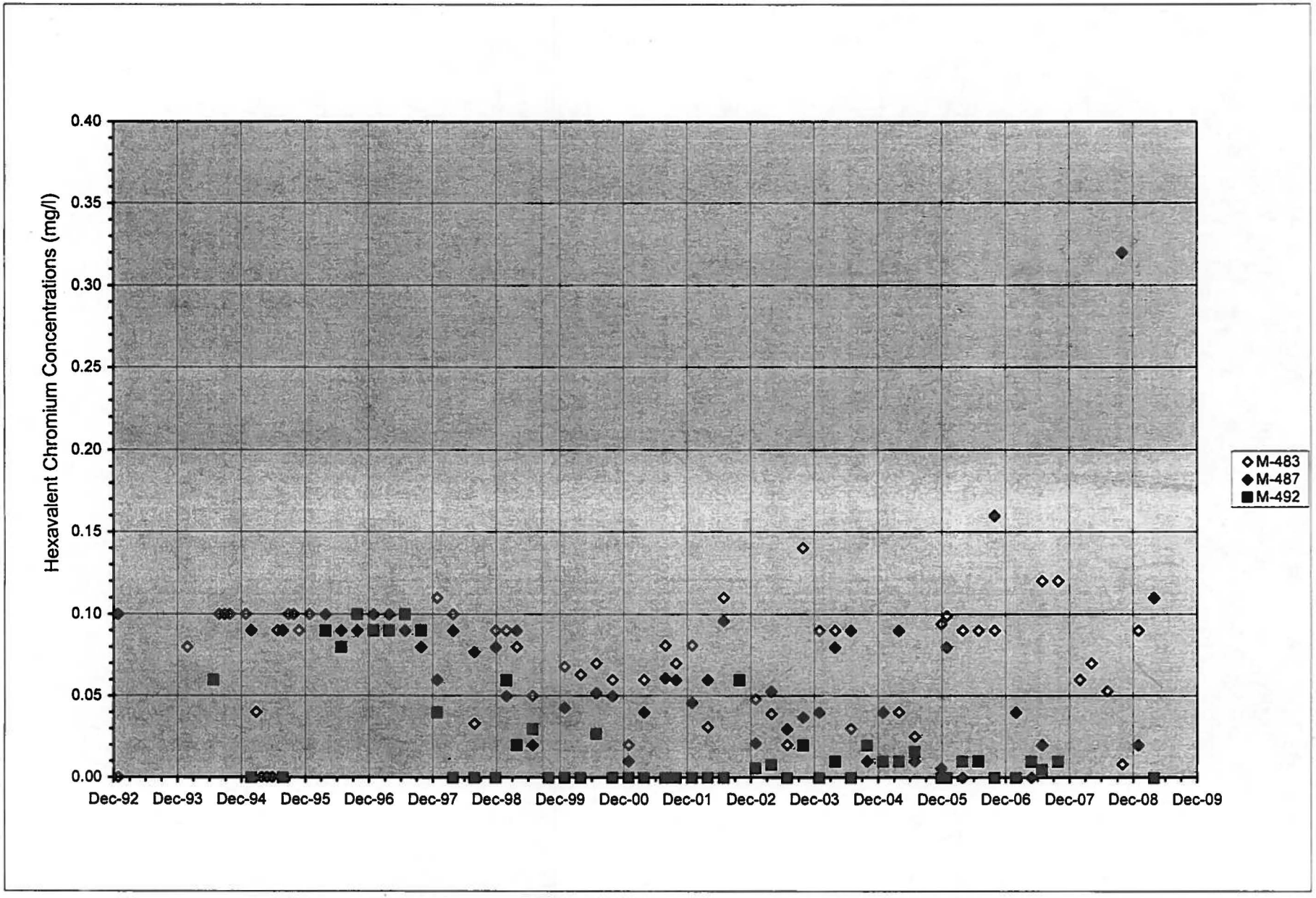


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

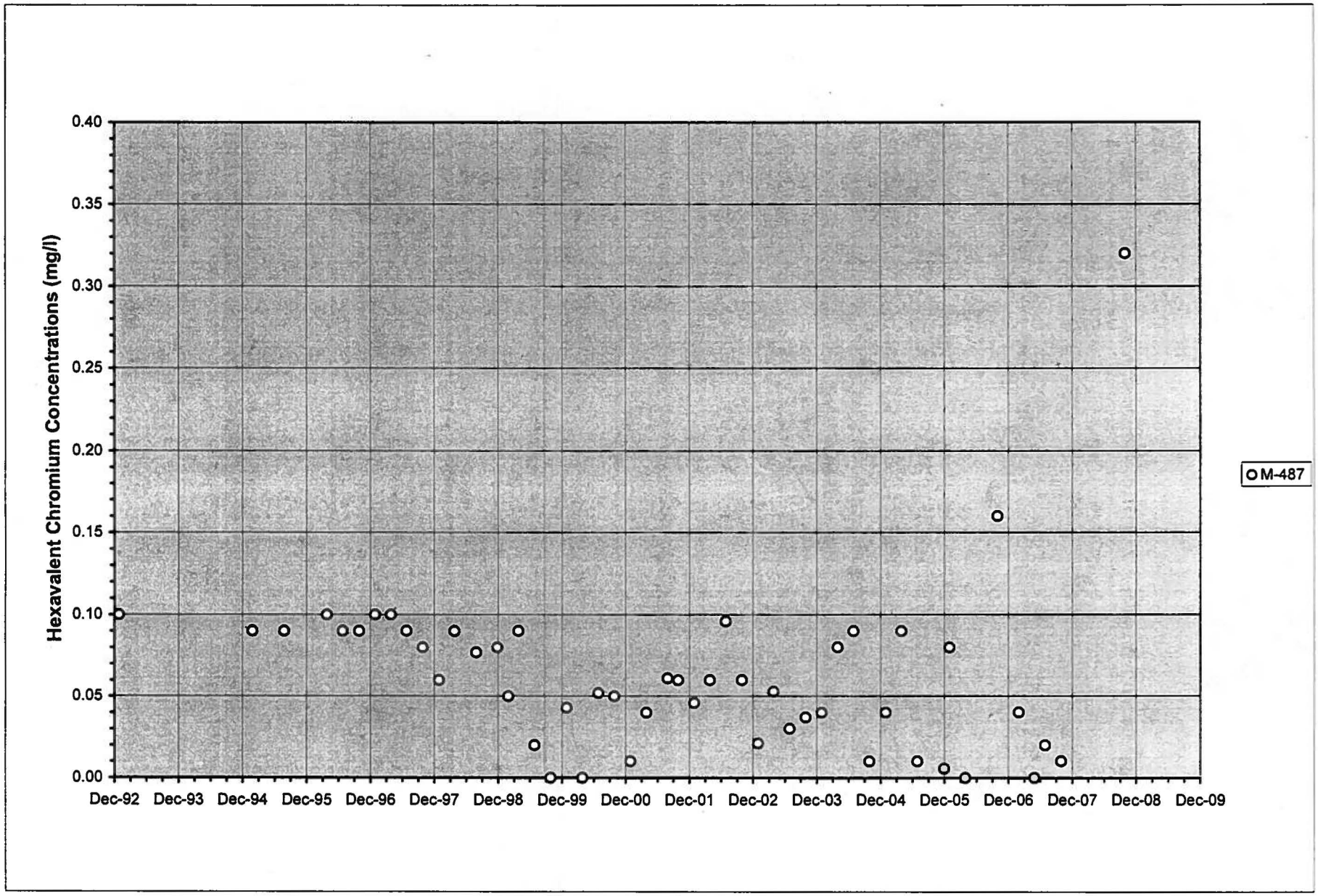


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

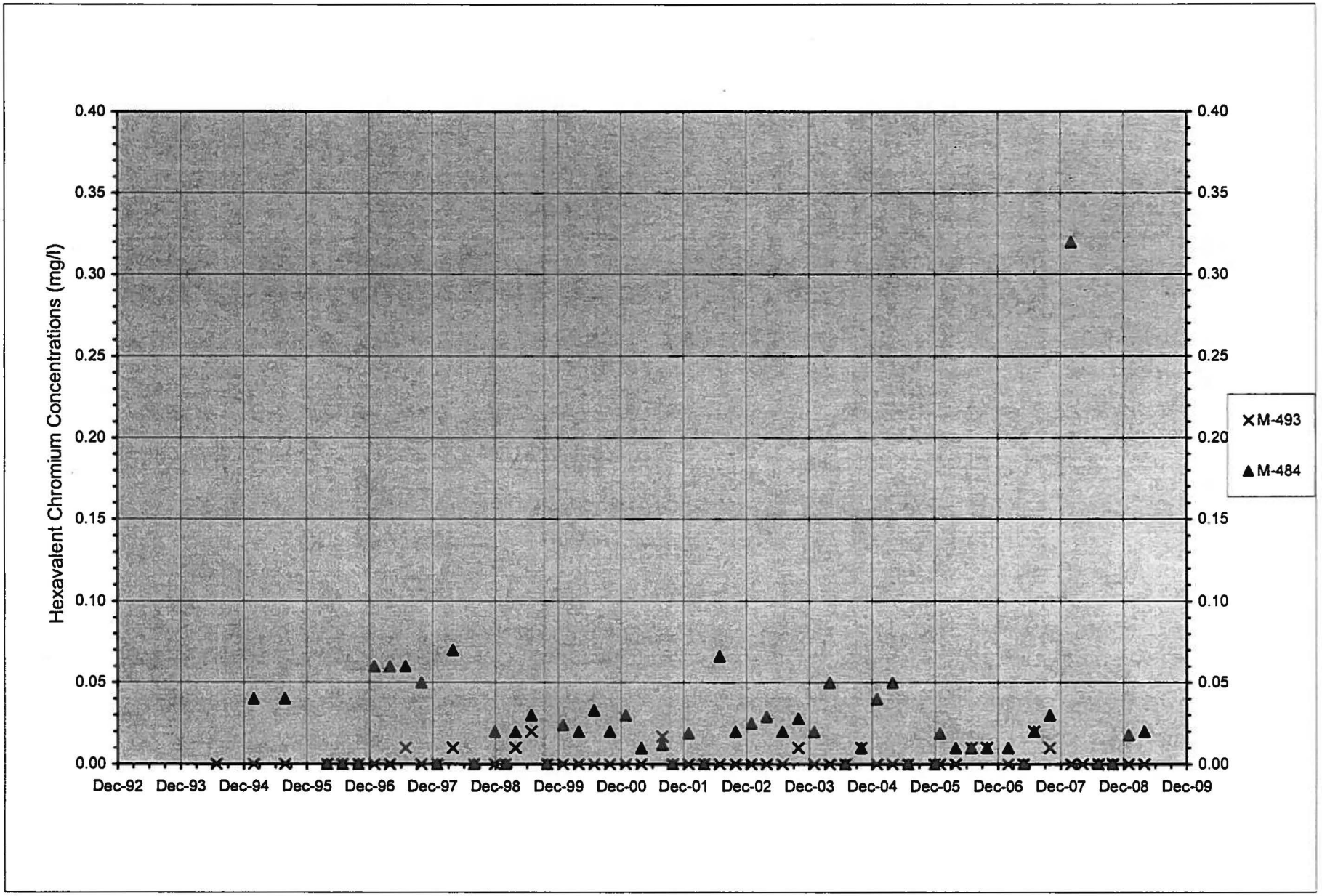


FIGURE 11-HEXAVALENT CHROMIUM CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS

figuration and are the most easterly wells. Hexavalent chromium concentrations in water from M-484 have decreased, from an average of about 0.06 mg/l in 1997 to below the MCL after 2005. Hexavalent chromium concentrations in water from M-483 generally were stable during 1994-97, then generally decreased through 2003. After extraction rates in the easterly wells decreased, hexavalent chromium concentrations in water from M-483 generally increased to values near those in 1994-97.

Time Trends for Nitrate Concentrations

Westerly Wells

Figure 12 shows nitrate concentrations in water from the westerly wells. Nitrate concentrations in water from M-466 have slightly decreased, from an average of about 250 mg/l in 1994-95 to about 180 mg/l in 2008. Nitrate concentrations in water from M-468 increased during 1994-97, possibly due to extraction well pumpage inducing more flow of upgradient high nitrate groundwater to this well. Nitrate concentrations in water from M-468 decreased after 1997, from an average of over 200 mg/l to less than 100 mg/l, likely primarily due to extraction well pumpage. Nitrate concentrations in water from M-475 increased after 1994, from about 200 to 330 mg/l to an average of about 600 mg/l during 2000-08. This is indicated to be due to movement of higher nitrate groundwater to the well. Nitrate concentrations in water from M-489 have been

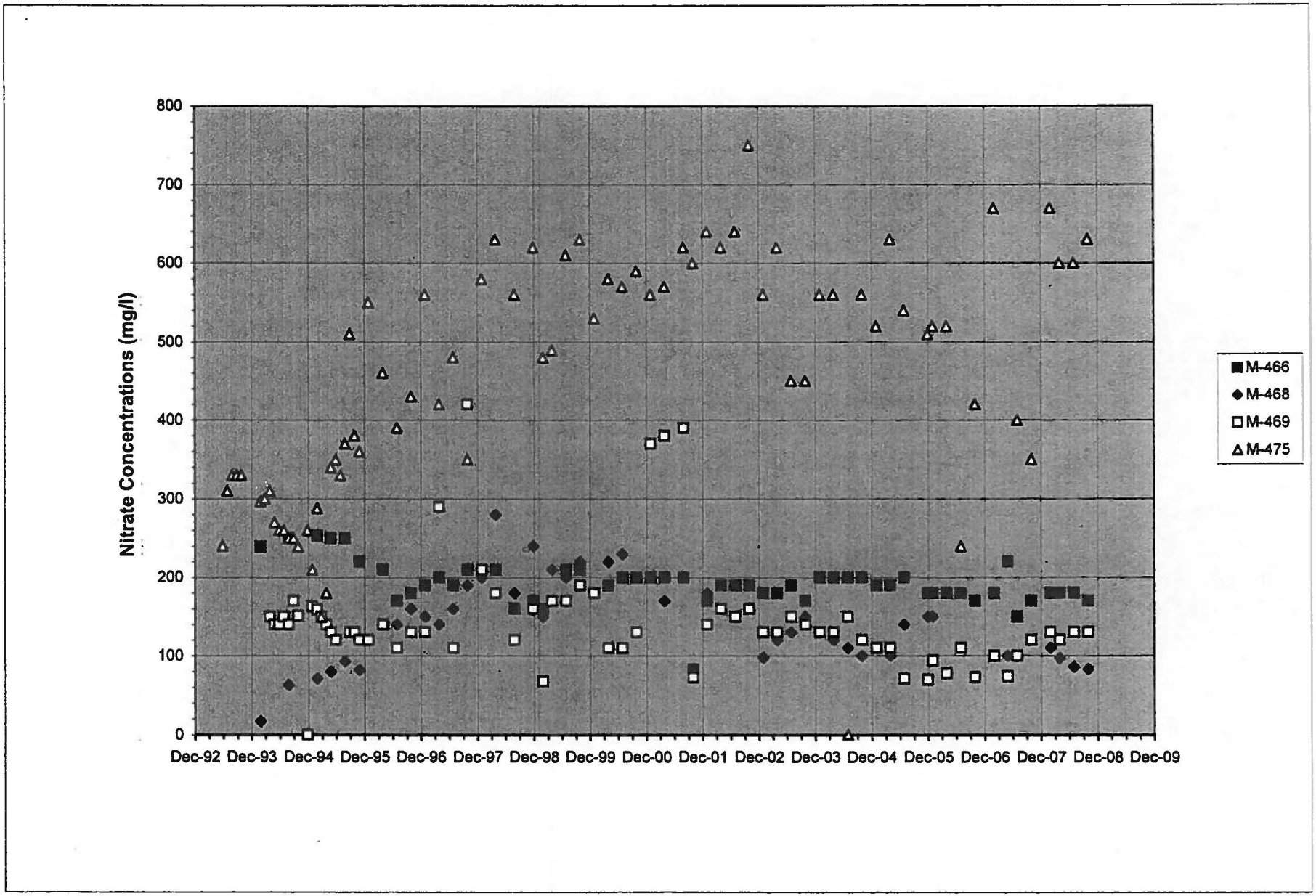


FIGURE 12-NITRATE CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

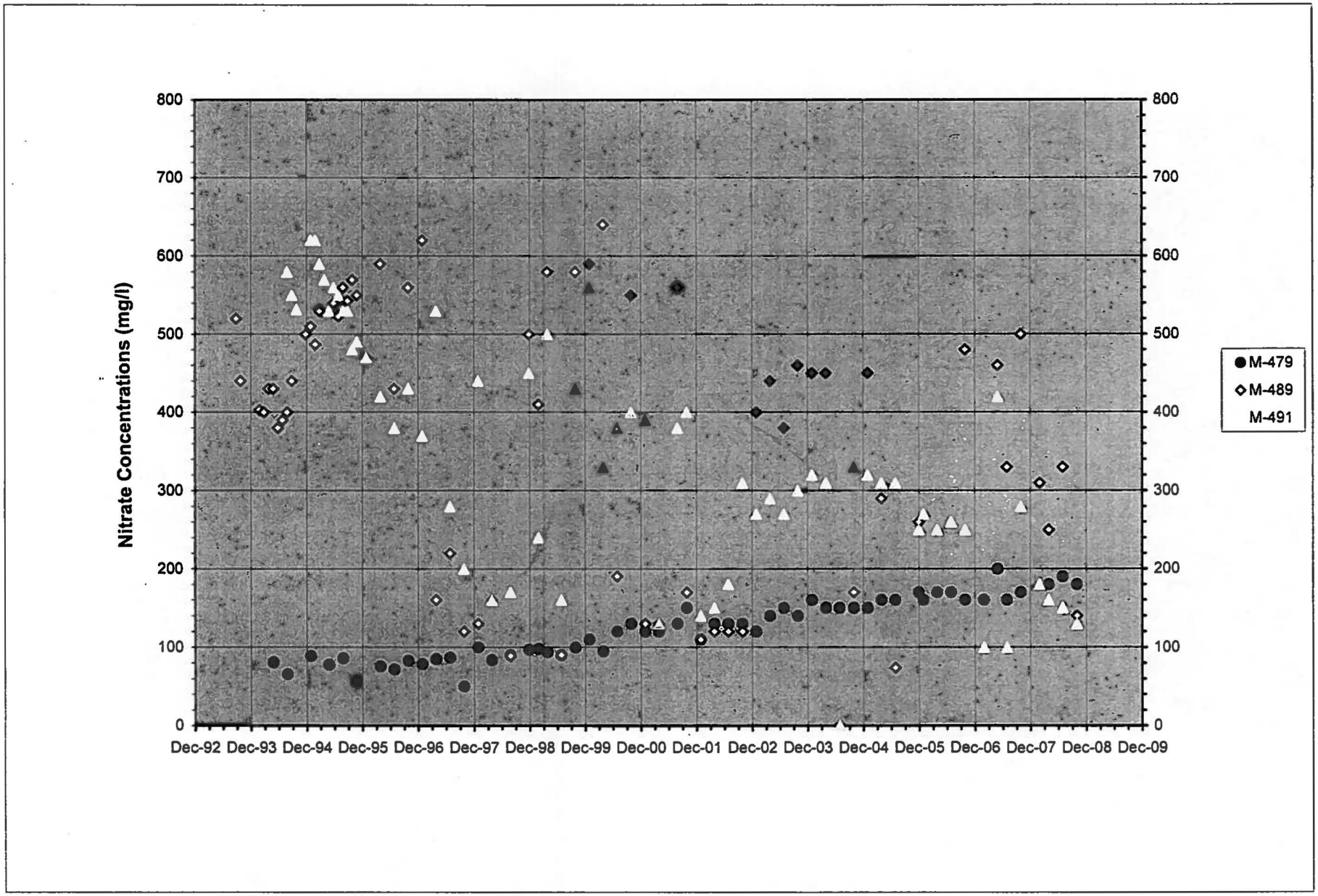


FIGURE 12-NITRATE CONCENTRATIONS IN WESTERLY MONITOR AND EXTRACTION WELLS

highly variable, ranging from lows in the 100 to 200 mg/l range to highs in the 400 to 600 mg/l range. Nitrate concentrations in water from M-491 have generally decreased, from the range of 500 to 600 mg/l in 1994-95 to 100 to 200 mg/l in 2008. Nitrate concentrations in water from M-479 have gradually increased, from an average of about 80 mg/l in 1994-96 to about 180 mg/l in 2008.

Easterly Wells

Figure 13 shows nitrate concentrations in water from M-483. Nitrate concentrations in water from this well have usually ranged from about 80 to 170 mg/l and have been relatively constant since 1992. There was a temporary increase in 2005-06, but then concentrations returned to previously values. Nitrate concentrations in water from M-492 have decreased substantially since extraction from the eastern wells began. Concentrations were usually in the range of 150 to 200 mg/l through 1997, and had decreased to less than 5 mg/l by 2006. Nitrate concentrations in water from M-487 have fluctuated substantially. During 1993-2001, concentrations usually ranged from about 130 to 190 mg/l. Concentrations then fell through 2005 to about 70 to 80 mg/l. After extraction rates for the easterly wells decreased, nitrate concentration ranged from about 100 to over 250 mg/l, and fluctuated significantly. Nitrate concentrations in water from M-484 have largely stayed very stable (usually from 70 to 110 mg/l). Nitrate concentrations in water

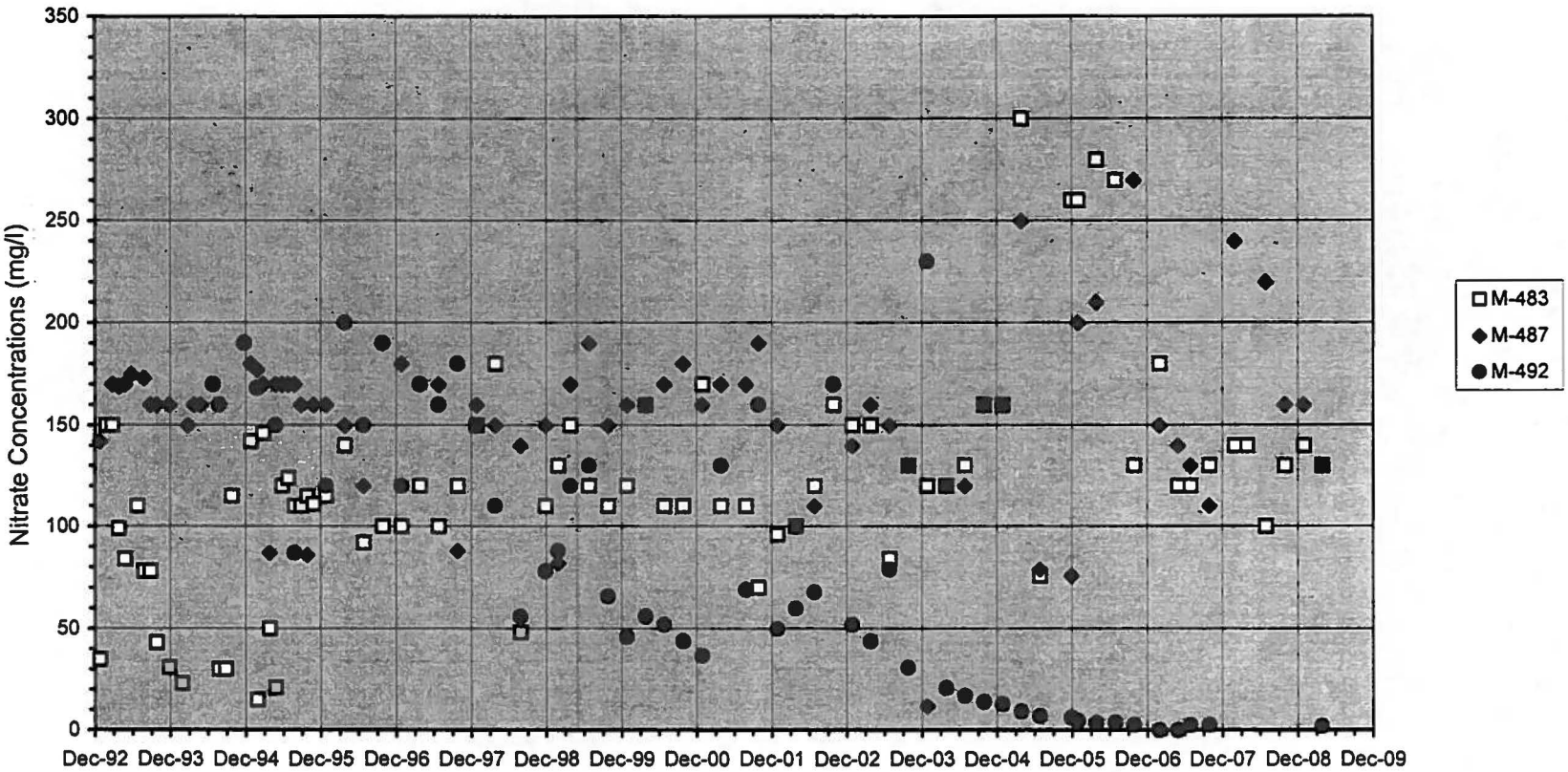


FIGURE 13-NITRATE CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS (CONTINUED:)

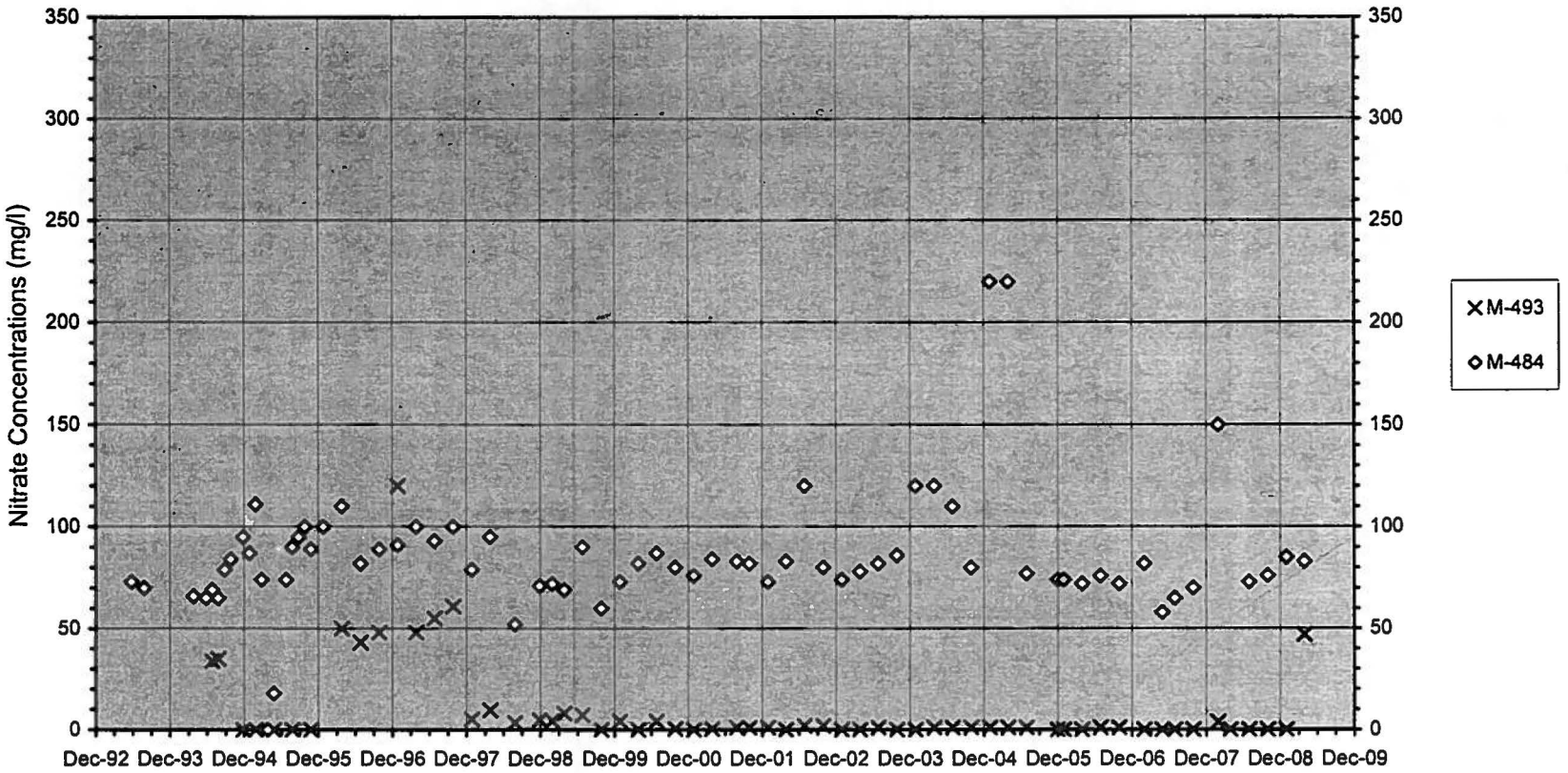


FIGURE 13-NITRATE CONCENTRATIONS IN EASTERLY MONITOR AND EXTRACTION WELLS

from M-493 decreased substantially after easterly extraction well pumpage began, from an average of about 50 mg/l in 1996-97 to less than 5 mg/l after 1997.

Statistical Evaluation

The Regional Board requested an evaluation of the apparent upward trend in hexavalent chromium concentrations in water from M-491, both statistically and non-statistically. The non-statistical evaluation has been previously presented in the section on trends for hexavalent chromium in the westerly wells. For the statistical evaluation, the U. S. Environmental Protection Agency (2000) reference "Guidance for Data Quality Assessment, Practical Methods of Data Analyses" was reviewed, and two methods described therein were used.

The slope of a regression line was first evaluated (Figure 14). Hexavalent chromium concentrations from 1992 through the end of 2008 indicated a downward trend, with R^2=0.11. The high variability in concentrations caused a poor fit. Therefore an additional evaluation was conducted using the Mann-Kendall test. A statistical S was computed, which is the difference between the number of pair wise slopes that are positive minus the number that are negative. If S is a large positive value, then there is evidence of an increasing trend in concentrations. If S is a large negative value, then there is evidence of a decreasing trend in

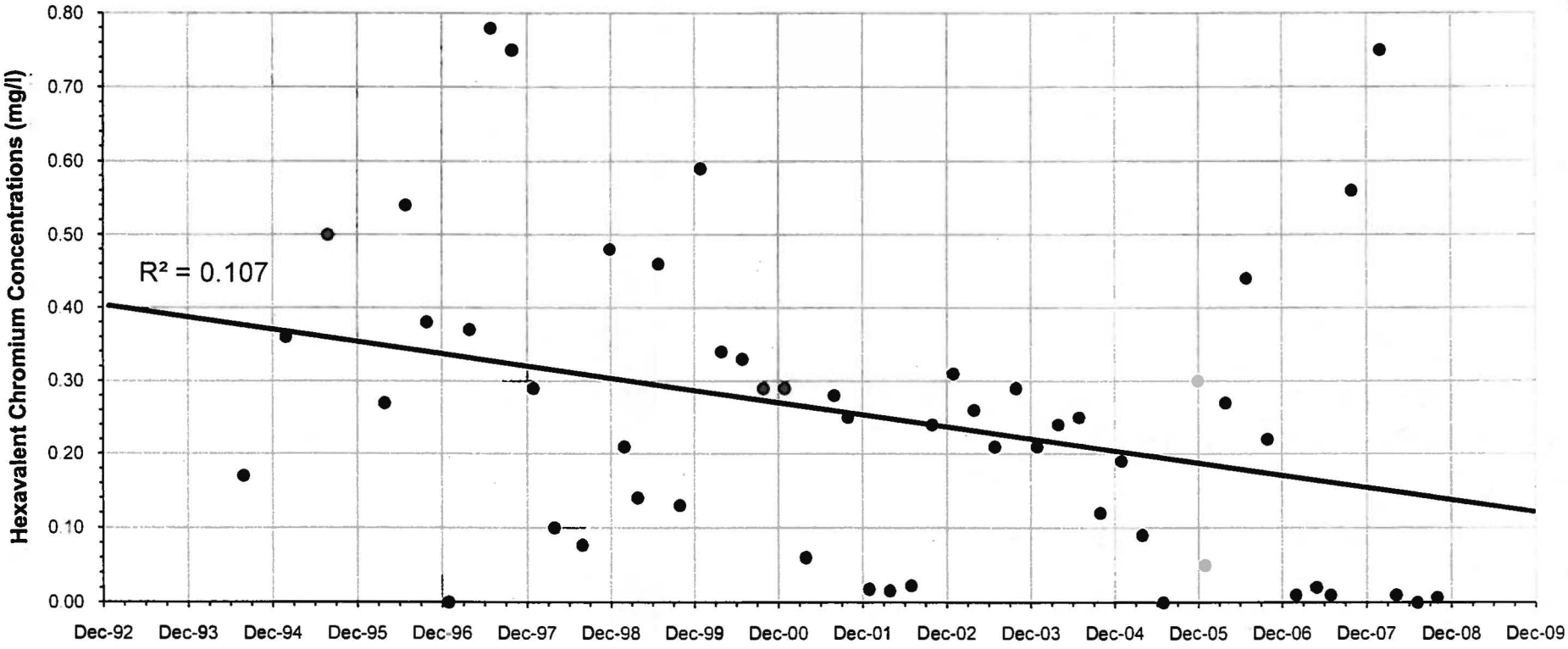


FIGURE 14-REGRESSION LINE EVALUATION OF CHROMIUM CONCENTRATIONS IN WATER FROM M-491

concentrations. The Mann-Kendall test for hexavalent chromium concentrations in water from M-491 between August 1994 and July 2002 indicated a clear downward trend (Z=-2.4). However, hexavalent chromium concentrations for October 2002-April 2009 indicated a Z of -0.9, which means there was not enough evidence to indicate a downward trend after mid-2002.

This statistical evaluation (Appendix B) confirms the previous interpretation. Overall, hexavalent chromium concentrations in M-491 were decreasing as long as the pumpage from the westerly extraction wells exceeded about five acre-feet per year. Once rates fell below about four acre-feet per year, there was substantial variability in hexavalent chromium concentrations. Evidence indicates that some of the higher variability in concentrations was due to water sampling techniques used, in particular the duration of pumping before the water sample was collected for analysis.

Summary

High extraction well pumpage rates were attained during 1995 to 2002, when water levels were at a shallow or moderate depth. During this period, both hexavalent chromium and nitrate concentrations in groundwater significantly decreased. The source of chromium and a source of nitrate were removed by the end of 2003. Extraction rates fell after 2003, to about one third of the previous values. This was largely due to water-level declines associated

with drought conditions. In the easterly area, water levels fell below the base of the alluvial deposits, and water production was possible only from low permeability weathered rock. In the westerly area, declines in water level and plugging of the extraction wells appear to be the reason for the declining production.

POTENTIALLY DOWNGRADIENT SUPPLY WELLS

Information was assembled on supply wells that are potentially downgradient (southeast) of the chromium and nitrate plumes. Sources of data included a recent aerial photograph, California Department of Water Resources records for wells with water-level measurements, and well inventories available for the vicinity. Figure 15 shows the locations of the closest potentially downgradient supply wells to the plumes. There are no such wells within a distance of five miles that are potentially downgradient of the plumes.

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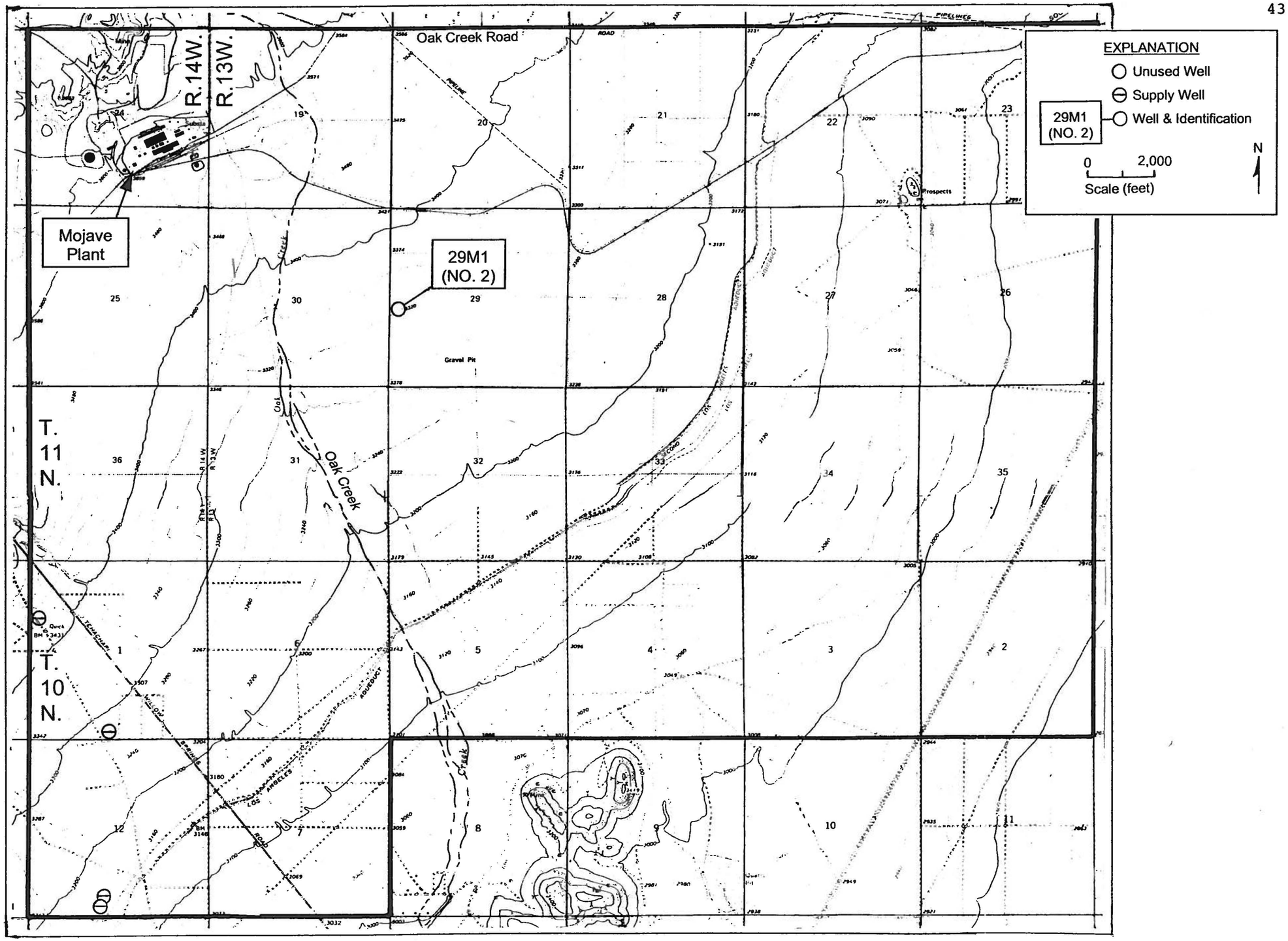


FIGURE 15-LOCATIONS OF WATER SUPPLY WELLS IN THE VICINITY

Kenneth D. Schmidt and Associates, 1992, "Update on Remediation of Contaminated Groundwater at the California Portland Cement Co. Mojave Plant", report prepared for Gresham, Varner, et al, San Bernardino, California, 33p.

Kenneth D. Schmidt and Associates, 1995, "Proposed Remedial Action Plan for Contaminated Groundwater at the California Portland Cement Co. Mojave Plant", report prepared for California Portland Cement Co., Mojave, California, 41p.

APPENDIX A

RESULTS OF 1994 NITRATE EVALUATION

PROPOSED REMEDIAL ACTION PLAN FOR CONTAMINATED GROUNDWATER AT THE CALIFORNIA PORTLAND CEMENT CO. MOJAVE PLANT

Prepared for:

CALIFORNIA PORTLAND CEMENT CO.
Mojave, California

Prepared by:

KENNETH D. SCHMIDT AND ASSOCIATES
Groundwater Quality Consultants
Fresno, California

June 26, 1995

Nitrate Contaminated Groundwater

High nitrate concentrations are present in groundwater in the alluvium both upgradient and downgradient of the former KBDA. At one time, it was believed that the former KBDA could have been a significant source of these high nitrate concentrations. However, nitrate concentrations of about 300 mg/l have been present in water from two monitor wells (M-466 and M-477) that are clearly upgradient of the former KBDA. Also, detailed evaluation of the nitrogen concentrations in waste materials in the former KBDA has indicated that these materials are not a significant source of the high nitrate groundwater. Because of these findings, an investigation was undertaken of nitrate concentrations in groundwater in the upgradient hardrock in December 1994.

The nitrate investigation was conducted under the supervision of Leo Mercy, Registered Geologist, at the Mojave plant. A reverse-circulation rotary rig was used to drill a number of test holes, ranging from about 15 to 240 feet in depth. The holes were drilled along several major lines, generally perpendicular to the direction of groundwater flow. Two of these lines were upgradient of the waste management units, and the remaining holes were generally in the quarried areas. As part of a groundwater resources study at the plant, three wells (M-7, M-8, and M-9) were drilled in the hardrock in November 1993. Table 1 summarizes information on these borings and wells. Depth to water in these borings and wells was measured with an electric sounder and elevations of the measuring points were determined. Water samples

TABLE 1 - INFORMATION ON HOLES USED FOR DECEMBER 1994 NITRATE INVESTIGATION

Hole No	Date Drilled	Approx. Northing	Approx. Easting	Approx. Elevation (Ft)	Depth (Ft)	First Water (Ft)	Static Water Level 12/15/94 (Ft)	Approx. W. L. Elev. (Ft)	N (mg/l)	NO3 (mg/l)	Electrical Conductivity (umho/cm)
NX - 1	12/06/94	555700	1905330	3565	80	59	39.58	3525	50	220	N/M
NX - 2	12/06/94	555550	1905950	3570	80	60	37.60	3532	15	66	N/M
NX - 3	12/06/94	555910	1906100	3550	100	75	45.78	3504	35	154	N/M
NX - 4	12/06/94	556090	1906910	3537	160	77	76.88	3460	25	110	1600
NX - 5	12/07/94	556180	1907300	3529	240	175	132.75	3396	12.5	55	N/M
NX - 6	12/07/94	556610	1903760	3653	80	55	43.87	3609	7	31	2800
NX - 7	12/07/94	556740	1903990	3639	60	38	32.90	3606	6	26	2300
NX - 8	12/08/94	556860	1904410	3632	60	40	N/M		16	70	2000
NX - 9	12/08/94	556930	1904560	3629	80	60	24.81	3604	0.5	2	1500
NX - 10	12/08/94	557050	1904825	3624	100	59	39.52	3584	16.5	73	2000
NX - 11	12/08/94	557170	1905100	3619	240	100	47.00	3572	13	57.2	N/M
NX - 12	12/08/94	557250	1905275	3615	220	198	N/M		0.5	2	2220
NX - 13	12/09/94	557110	1904960	3622	80	66	39.41	3583	95	418	3040
NX - 14	12/09/94	556990	1904690	3626	120	60	22.38	3604	2.5	11	1250
NX - 15	12/09/94	557860	1903220	3739	60	15	7.40	3732	100	440	N/M
NX - 16	12/09/94	558220	1903630	3724	60	35	11.58	3712	2	9	N/M
NX - 17	12/10/94	558330	1903960	3738	80	33	29.90	3708	15.5	68	N/M
NX - 18	12/10/94	558525	1904270	3751	20	15	11.86	3739	14	62	2680
NX - 19	12/10/94	558720	1904700	3704	160	130	111.03	3593	8.5	37	1020
NX - 20	12/10/94	558720	1905000	3649	100	80	55.78	3593	9.5	42	690
NX - 21	12/10/94	558720	1905300	3649	100	88	56.15	3593	0.5	2.2	730
NX - 22	12/11/94	559260	1905610	3609.21	160	38	14.91	3594	18.5	81	1150
NX - 23	12/11/94	559340	1905485	3605	90	N/M	12.00	3593	11	48	1100
NX - 24	12/11/94	557670	1904610	3682	120	105	68.64	3613	5	22	1680
NX - 25	12/11/94	557500	1904000	3700	100	80	62.26	3638	2	9	1950
NX - 26	12/12/94	557740	1902970	3786	120	113	67.92	3718	16	70	1680
NX - 27	12/12/94	559385	1905420	3603.85	100	N/M	9.60	3594	0.5	2	1720
NX - 28	12/13/94	557690	1903620	3732	120	113	76.19	3656	7	31	1520
NX - 29	12/13/94	559195	1903920	3829	140	118	73.51	3755	5	22	2220
NX - 30	12/13/94	558570	1902580	3810	140	120	35.66	3774	1	4	1000
NX - 31	12/13/94	559870	1903330	3790	80	40	28.12	3762	0.5	2.2	1400
NX - 32	12/14/94	556230	1903250	3652	80	65	48.62	3603	4	18	2600
NX - 33	12/14/94	557290	1904570	3685	80	70	51.14	3614	33.5	147	1800
NX - 34	12/14/94	556485	1905470	3560	100	85	16.20	3544	14.5	64	1080
NX - 35	12/14/94	556470	1905840	3559	120	55	25.46	3534	20	88	1100

N/M = No Measurement
Note: NX-22 AND NX-27 elevations are surveyed to Top Of Casing (TOC).

were collected by bailing for nitrate analyses with a Hach field kit. The holes were abandoned after the sampling by backfilling with the drill cuttings.

Prior to discussing the results of the nitrate analyses, two other items are first discussed. These are 1) subsurface geologic conditions, and 2) water-level elevations and the direction of groundwater flow in the hardrock. Previous hydrogeologic evaluations at the Mojave plant presented to the Regional Board on behalf of the California Portland Cement Company have focused on the alluvium. A discussion of the hydrogeologic conditions in the hardrock is necessary, in order to provide sufficient information to properly understand the nitrate distribution in groundwater.

Subsurface Geologic Conditions

Figure 3 is a geologic map of the plant and quarry areas, based on information provided by Leo Mercy. There are three major hardrock units: 1) granitic rocks, 2) limestone, and 3) shale. Granitic rocks underlie all of the limestone and shale units in the area and form the basement rock in the region. Granitic rocks crop out in two primary areas. The largest area is at the north end of the main quarry, where the granitic rock contact with the limestone dips about 45° to the south-southeast. There is another outcrop between the main quarry and the plant site, on the west side of the major northwest trending fault that is shown in Figure 3. Granitic rocks have also been encountered beneath the alluvium in many of the alluvial wells to the south and southeast of the plant.

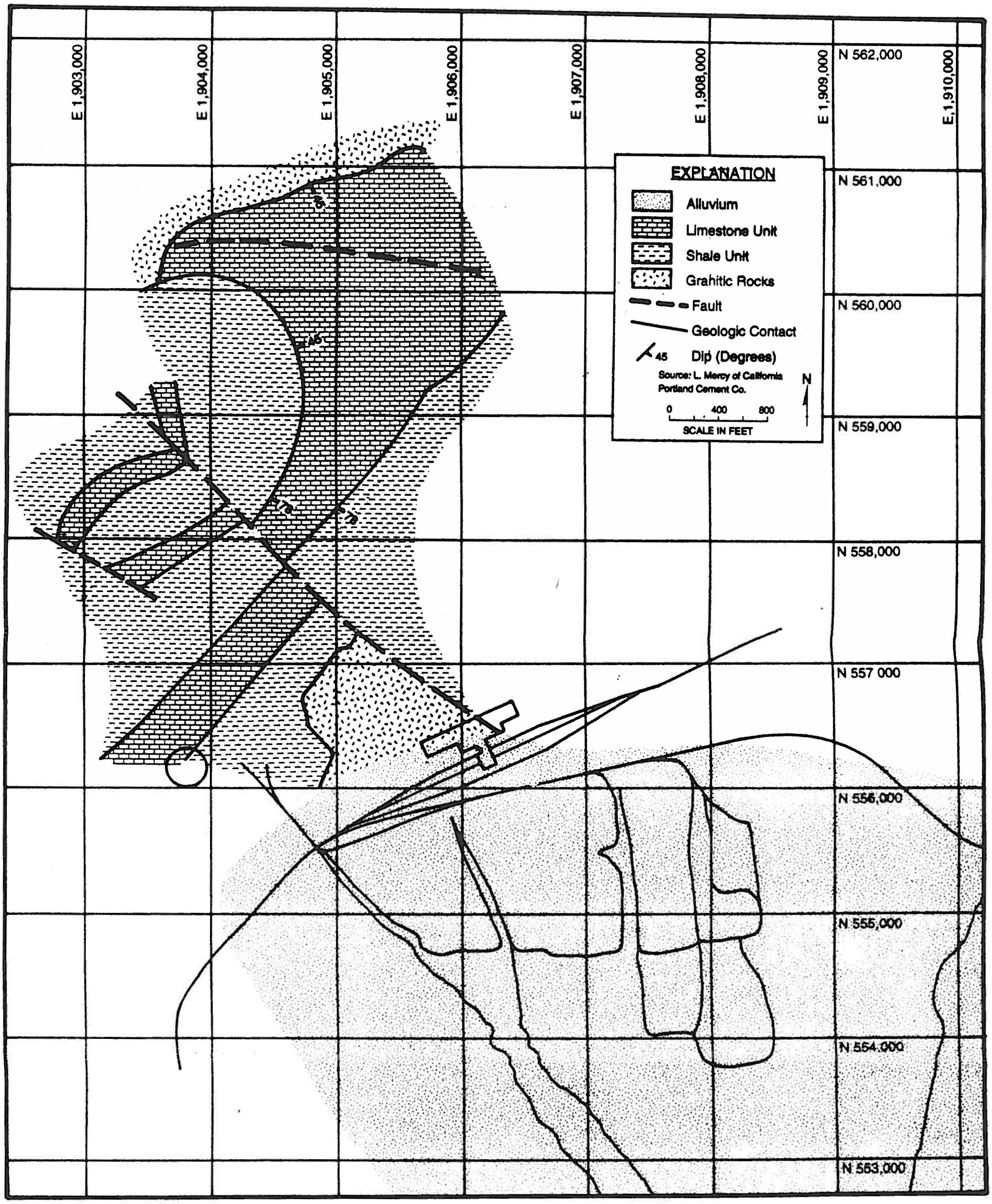


FIGURE 3 - GEOLOGIC MAP

The limestone and shale units are present as a northeast-trending roof pendant, on top of the granitic basement rock. The main limestone unit, in which the quarry is situated, lies between two shale unit outcrops - one to the southeast and the other to the west and southwest. The limestone-shale contact to the southeast is relatively undeformed, striking northeasterly and dipping to the southeast at nearly 80°. To the west, the contact between the west shale and the main limestone unit also dips about 80° to the southeast at the southern end. Farther north along the same contact, the dip flattens to nearly 45° and steepens to nearly vertical at the northern end. These changes in strike and dip toward the north are due to folding and displacements associated with east-west trending faults. To the southwest, the main limestone unit is bounded by a northwest-trending fault. Across the fault to the southwest are a sequence of limestone and shale units that strike northeasterly and dip to the southeast at a steep angle. These rock units and faults influence groundwater movement through the area.

Water Levels

Figure 4 is a water-level elevation contour map for December 1994. This map covers both the hardrock area and the downslope alluvial area. Water-level elevations in the hardrock ranged from more than 3800 feet above mean sea level to the northeast, to less than 3500 feet to the southeast. A southeasterly direction of groundwater flow is indicated in the hardrock, with an average

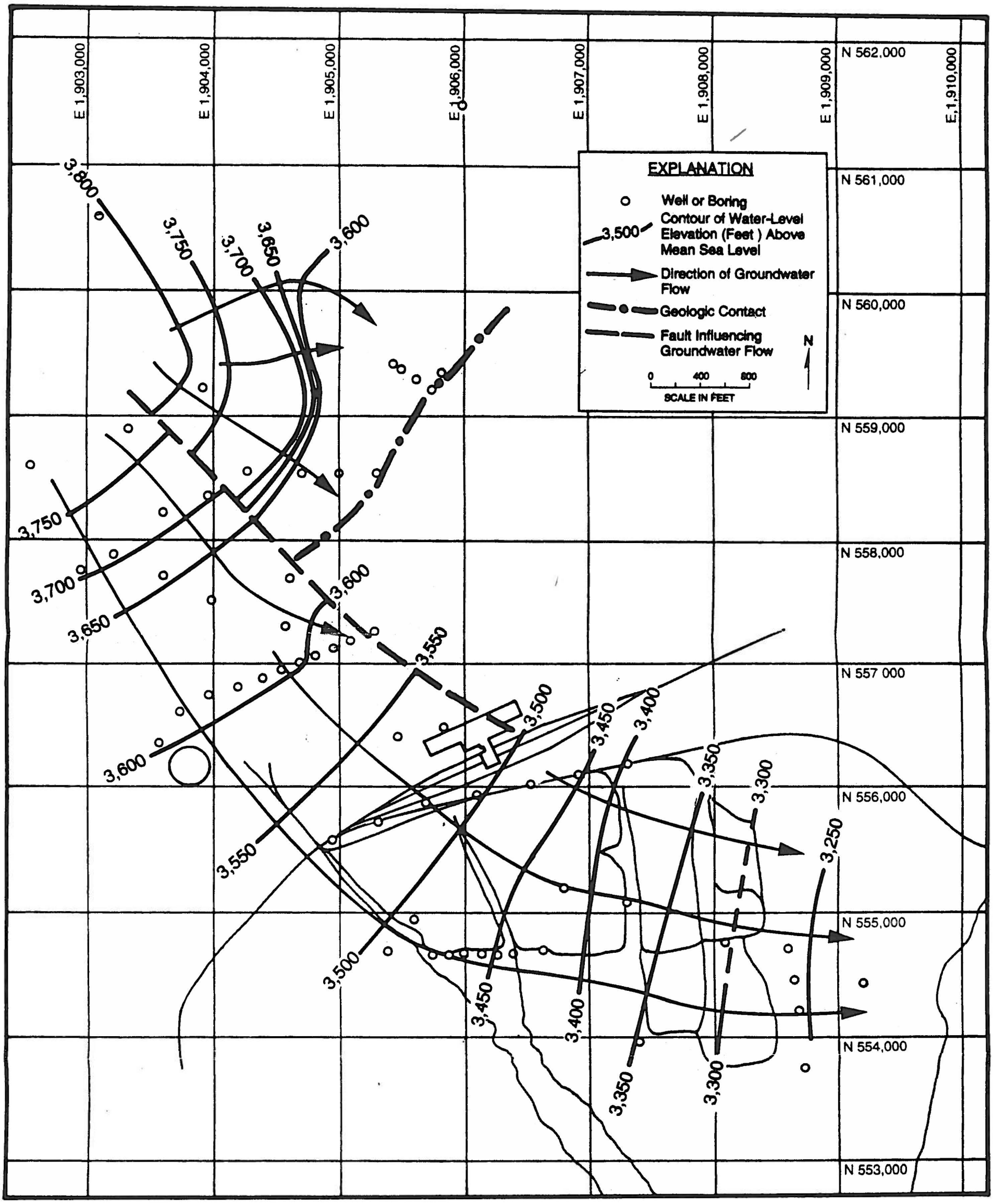


FIGURE 4 - WATER-LEVEL ELEVATION CONTOURS (DECEMBER, 1994)

water-level slope of about 250 to 300 feet per mile. Both lithologic contacts and faults affect groundwater movement in the hardrock. The shale unit along the southeast side of the main pit acts as a barrier to groundwater flow. The barrier influence of the northwest trending fault is clearly shown on groundwater elevations in the hardrock.

In general, water levels in the hardrock are relatively shallow in the shale unit, and much deeper in the limestone unit. This is shown by the closely spaced contours between NX-18 and NX-19. The shale unit is an impediment to groundwater flow, because of its low hydraulic conductivity. The results of aquifer tests indicate that the conductivity of the fractured limestone is much higher than for the other hardrock units. Thus groundwater tends to move through the limestone much more readily than through the granitic rocks or shale unit.

Groundwater in the hardrock is upslope and upgradient of the alluvial deposits, and moves to the southeast and discharges into the alluvium. Most of the groundwater in the alluvium beneath the waste management units at the plant has been derived from groundwater flow from the hardrock to the northwest.

Nitrate Contents

Sampling of groundwater in the hardrock in December 1994 indicated a fairly large area where nitrate concentrations exceeded the MCL. Figure 5 shows nitrate concentrations in groundwater in the hardrock and in the downgradient alluvium to the southeast. Three

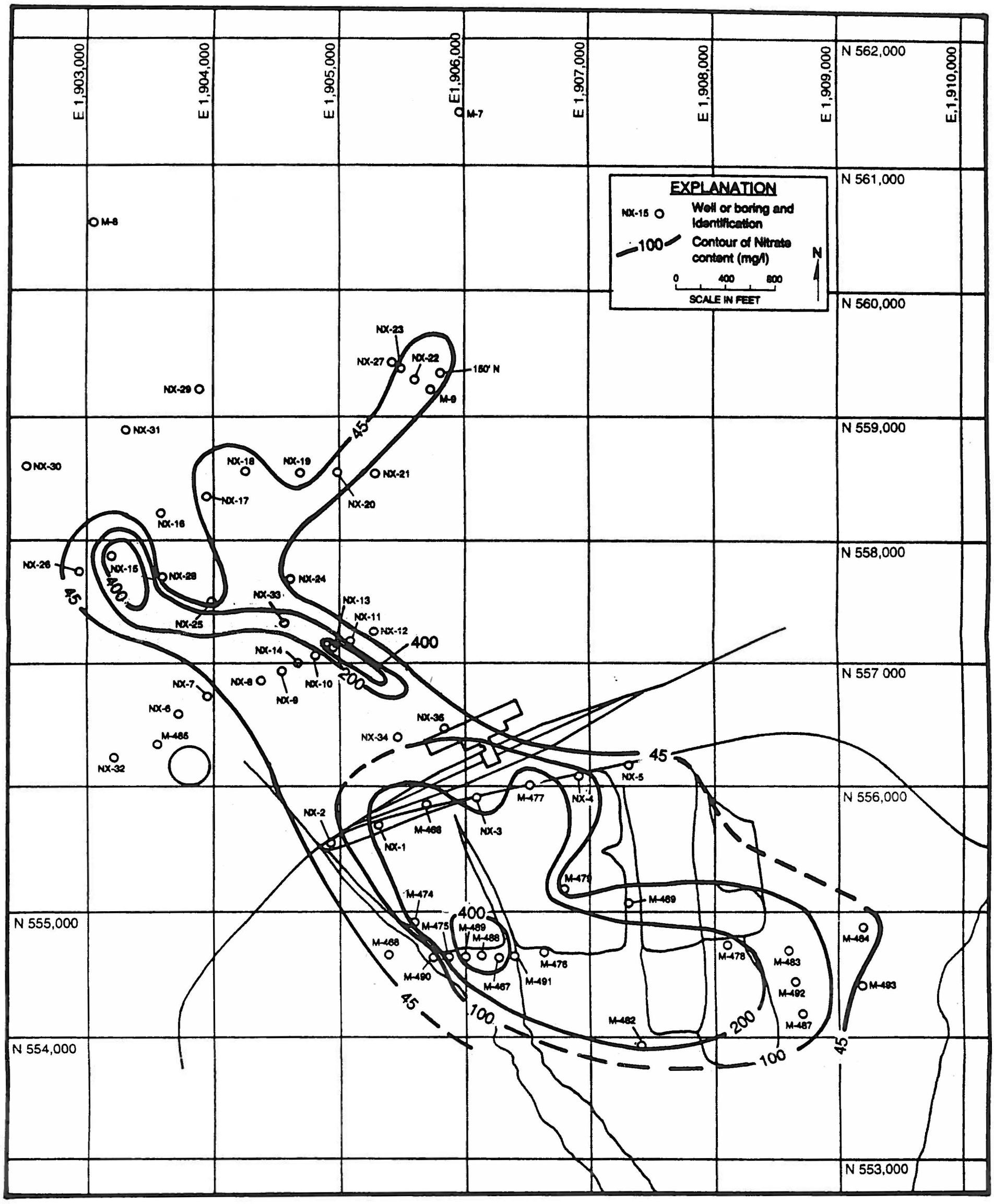


FIGURE 5 - NITRATE CONTENTS IN GROUNDWATER (DECEMBER, 1994)

localized areas of elevated nitrate concentrations (greater than 100 mg/l) are shown. A nitrate concentration of 528 mg/l was found in groundwater that rose to the surface about 100 feet east of NX-15 following the heavy rains in February 1995. A nitrate concentration of 440 mg/l was found in water from NX-15, in the alumina shale pit. The next highest nitrate concentration (418 mg/l) was found in water from NX-13, located in the shale unit just upgradient of the contact with the granitic rocks and adjacent to the northwest-trending fault barrier shown in Figure 4. A nitrate concentration of 147 mg/l was found in water from NX-33, which is in the limestone unit upgradient of NX-13. The fault barrier appears to restrict the migration of the plume to the east in this area. NX-13 and NX-33 are thought to not be in a nitrate source area, but are apparently located in the plume that originated near NX-15. Groundwater at NX-15 apparently migrated to the southeast, easterly of NX-28 and between NX-25 and NX-24, to NX-33, thence southeast to NX-13. A nitrate concentration of 100 mg/l was found in water from M-9, which is located in the limestone just upgradient of the shale unit. Nitrate concentrations exceeding the MCL were also found at NX-17 and NX-18, a location between NX-15 and M-9, at NX-20, southwest of M-9, and at NX-8, southwest of NX-13.

Ammonium nitrate has been the primary blasting agent used in the quarry. When ammonium nitrate was first introduced as a blasting agent in the 1950's and 60's, there were no effective methods of blasting in wet hole conditions. The explosives manufacturers devised a method where ammonium nitrate was enclosed in

a plastic bag that was wrapped with detonating cord and tied to an explosive cast booster. A series of these bag-booster combinations were strung together until a sufficient amount of explosive was accumulated. The bags were then inserted into the hole and positioned beneath the standing water. Unfortunately, the bags tended to float and had to be forced down with wooden poles. This would commonly puncture one or more of the bags, allowing water to enter. Once the bags were in place, the hole was filled with cuttings to the surface and the shot was primed and detonated. The punctured bags probably failed to detonate, since ammonium nitrate prills readily absorb water, which will prevent detonation. The undetonated nitrate would then remain below the water table, in the five-foot depth interval below the subsequent digging level, and nitrate would slowly dissolve into the surrounding groundwater. When water levels dropped during the summer or in times of drought, the nitrate would precipitate due to evaporation and stay in the solid form. If the water levels later rose sufficiently, the nitrate would be redissolved and enter the groundwater. This is the best explanation for the excessive nitrate concentrations in the vicinity of NX-15. The high nitrate area near NX-15 coincides with highly fractured shale and shallow groundwater. The solution to this problem is to remove the upper five feet of shale in the areas where this practice was once used (i.e., in part of the alumina shale pit and part of the regular shale pit).

The area of excessive nitrate concentrations near M-9 on the 3600 level in the bottom of the pit is due to a defective load of

ammonium nitrate emulsion that was delivered and loaded into a shot in early 1991. The shot failed to detonate and had to be redrilled in three sections and reshot. The undetonated nitrate above the digging level would have been removed with the shot rock and used up, but the nitrate in the five-foot depth interval beneath the floor would have remained in place. When water levels rose to the surface of the 3600 level in 1992, the undetonated nitrate would have come in contact with groundwater and begun to dissolve, causing the nitrate contaminated groundwater in that area. The localized nature of the contamination is substantiated by the low nitrate concentrations in water from NX-27, which is separated from M-9 and the 3600-level shot by a significant fault zone. The high nitrate concentrations in the groundwater area near NX 17 and NX-18 coincide with shale and shallow groundwater.

The areas of high nitrate concentrations in groundwater in the hardrock are indicated to be directly upgradient of the area of high nitrate concentrations in groundwater in the alluvium beneath the former KBDA. High nitrate groundwater in the hardrock is indicated to have moved toward a high permeability zone southwest of the major southeast trending fault barrier, thence southeasterly and into the alluvium. Downgradient of the hardrock, where the groundwater discharges into the alluvial deposits, nitrate concentrations exceeded the MCL of 45 mg/l in an area almost one-half mile wide perpendicular to the direction of groundwater flow in December 1994.

NITROGEN CONCENTRATIONS IN SHALE UNIT

Because of the finding of nitrate concentrations exceeding 45 mg/l in groundwater in widespread parts of the hardrock area, an investigation of nitrogen concentrations in the shale unit was undertaken by Leo Mercy in February 1995. Samples of shale were obtained at nine sites. Five samples (NX-designation) were composites of the drill cuttings for the test holes that were previously discussed. Four other samples were taken by excavating into solid undisturbed shale. A sample of a sedimentary rock outcrop was obtained in November 1994. The samples were shipped to E.S. Babcock & Sons, Inc. in Riverside for analyses of nitrogen forms, and the results are summarized in Table 2.

Ammonium-nitrogen concentrations were less than 1 mg/kg, except for the outcrop sample, that had 3.8 mg/kg. Nitrate-nitrogen concentrations ranged from less than 1 to 30 mg/kg. The highest values were for the outcrop (30 mg/kg) and at NX-15 (21 mg/kg). Except for two other samples (HAS-1 and HAS-2), nitrate-nitrogen concentrations were less than 2 mg/kg. Nitrate-nitrogen concentrations above 2 mg/kg are believed to have been influenced by historical blasting practices. At least some of the nitrate-nitrogen could have been derived from groundwater flow through the shale unit.

Kjeldahl-nitrogen concentrations ranged from less than 100 to 190 mg/kg. The highest value (190 mg/kg) was found for the outcrop sample. These results indicate that significant amounts of organic nitrogen are present in the hardrock. According to numerous

TABLE 2 - SUMMARY OF NITROGEN ANALYSES OF SOLID SAMPLES

SAMPLE ID	DATE SAMPLED	ROCK TYPE	LOCATION (Approximate) Northing	Easting	Elevation	NITROGEN FORMS - ANALYTICAL RESULTS (as N) Kjeldahl-N (mg/kg)	Nitrate-N (mg/kg)	Nitrite-N (mg/kg)	Ammonium-N (mg/kg)	Total Chomium (Cr) (mg/kg)
H.A.S.-1	02/28/95	Shale	557,970	1,903,350	3,732	160	10	<1	<1	NA
H.A.S.-2	02/28/95	Shale	558,130	1,903,420	3,727	<100	10	<1	<1	NA
NX-15	02/28/95	Shale	557,860	1,903,220	3,739	140	21	<1	<1	NA
NX-16	02/28/95	Shale	558,220	1,903,630	3,724	140	1.4	<1	<1	NA
NX-18	02/28/95	Shale	558,525	1,904,270	3,751	160	1.8	<1	<1	40
NX-29	02/28/95	Shale	559,195	1,903,920	3,829	<100	1.4	<1	<1	NA
NX-31	02/28/95	Shale	559,870	1,903,330	3,790	120	<1	<1	<1	NA
Outcrop-1	11/15/94	Soft, white, sedimentary (?)	557,660	1,902,320	3,750	190	30	<1	3.8	NA
RS-3775	02/28/95	Shale	558,910	1,904,040	3,783	160	<1	<1	<1	NA
RS-3850	02/28/95	Shale	559,810	1,904,040	3,855	<100	1.4	<1	<1	NA
					PQL =	100	1	1	1	10

ND = Not Detected at Practical Quantitation Limit (PQL)
NA = Not Analyzed

SAMPLE ID	NITROGEN FORMS - ANALYTICAL RESULTS (Converted) Kjeldahl-N (mg/kg)	Nitrate-NO3 (mg/kg)	Nitrite-NO2 (mg/kg)	Ammonium-NH4 (mg/kg)	Total Chomium (Cr) (mg/kg)
H.A.S.-1	160	44	<4.4	<4.4	NA
H.A.S.-2	<100	44	<4.4	<4.4	NA
NX-15	140	93	<4.4	<4.4	NA
NX-16	140	6.2	<4.4	<4.4	NA
NX-18	160	8.0	<4.4	<4.4	40
NX-29	<100	6.2	<4.4	<4.4	NA
NX-31	120	<4.4	<4.4	<4.4	NA
Outcrop-1	190	133	<4.4	4.9	NA
RS-3775	160	<4.4	<4.4	<4.4	NA
RS-3850	<100	6.2	<4.4	<4.4	NA

publications in the literature, this nitrogen could be oxidized to nitrate under oxidizing conditions. The relatively high ammonia and nitrate-nitrogen concentrations in the rock outcrop west of the quarry indicate that substantial amounts of nitrate could be introduced to the groundwater. This would be particularly true in areas where the shale unit is or has been below the groundwater level, or along highly fractured areas above the water table, where infiltrated rainfall or overland flow could migrate.

An examination of the results of the groundwater and solids sampling indicates that nitrate concentrations above about 60 mg/l in groundwater in the shale unit have been influenced by historical blasting practices. Nitrate concentrations below that level may have been contributed primarily from the native nitrogen in the shale unit and possibly other sedimentary rock units. Examination of Figures 3 and 4 indicates that before groundwater in the hard-rock enters the alluvium, it would normally have to pass through at least some of the shale unit.

WATER QUALITY MONITORING PROGRAM

The primary medium to be addressed in the monitoring program associated with this CAP is the groundwater. According to the regulations this associated monitoring is to be consistent with regulations for an evaluation monitoring program. The major items in the program include monitoring points, sampling frequency, sample collection procedures, sample preservation and shipment, analytical procedures, and chain of custody control. An appro-

APPENDIX B

MANN-KANDAL STATISTICAL EVALUATION OF HEXAVALENT CHROMIUM CONCENTRATIONS IN WATER FROM M-491

1st Trend (Aug. '94 – July '02)

Step 1	0.17	0.36	0.50	0.27	0.54	0.38	0.00	0.37	0.78	0.75	0.29	0.10	0.08	0.48	0.21	0.14	0.46	0.13	0.59	0.34	0.33	0.29	0.29	0.00	0.28	0.25	0.02	0.02	0.02	Total (+) sign	Total (-) sign
0.17		1	1	1	1	1	-1	1	1	1	1	-1	-1	1	1	-1	1	-1	1	1	1	1	1	-1	1	1	-1	-1	-1	19	9
0.36			1	-1	1	1	-1	1	1	1	-1	-1	-1	1	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	9	18
0.50				-1	1	-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	4	22
0.27					1	1	-1	1	1	1	1	-1	-1	1	-1	-1	1	-1	1	1	1	1	1	-1	1	-1	-1	-1	-1	14	11
0.54						-1	-1	-1	1	1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	3	21
0.38							-1	-1	1	1	-1	-1	-1	1	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5	18
0.00								1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	22	0
0.37									1	1	-1	-1	-1	1	-1	-1	1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	5	16
0.78										-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	20
0.75											-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	19
0.29												-1	-1	1	-1	-1	1	-1	1	1	1	0	0	-1	-1	-1	-1	-1	-1	5	11
0.10													-1	1	1	1	1	1	1	1	1	1	1	-1	1	1	-1	-1	-1	12	5
0.08														1	1	1	1	1	1	1	1	1	1	-1	1	1	-1	-1	-1	12	4
0.48															-1	-1	-1	-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	14
0.21																-1	1	-1	1	1	1	1	1	-1	1	1	-1	-1	-1	8	6
0.14																	1	-1	1	1	1	1	1	-1	1	1	-1	-1	-1	8	5
0.46																		-1	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	11
0.13																			1	1	1	1	1	-1	1	1	-1	-1	-1	7	4
0.59																				-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	10
0.34																					-1	-1	-1	-1	-1	-1	-1	-1	-1	0	9
0.33																						-1	-1	-1	-1	-1	-1	-1	-1	0	8
0.29																							0	-1	-1	-1	-1	-1	-1	0	6
0.29																								-1	-1	-1	-1	-1	-1	0	6
0.06																									1	1	-1	-1	-1	2	3
0.28																										-1	-1	-1	-1	0	4
0.25																											-1	-1	-1	0	3
0.02																												-1	1	1	1
0.02																													1	1	0
0.02																													Sum	139	264

Step 2 S ((sum of + signs)-(sum of - signs)) = 139-264 = -125 negative

Step 3 g (number of tied group) = 2 (at 0.02 and 0.29) $n = 29$
t1 = 3 (for 0.02)
t2= 3 (for 0.29)

V(S) = 2842 - 132 = 2710 $V(S) = \frac{n(n-1)(2n+5)}{18} = \frac{29(29-1)[(2)(29)+5]}{18} = \frac{(841-29)(58+5)}{18} = \frac{(812)(63)}{18} = \frac{51156}{18} = 2842$

Step 4 Since S is negative: Z = -2.4 $Z = (S+1) \div [V(S)]^{1/2} = (-125+1) \div [2710]^{1/2} = (-124) \div (52.1) \doteq 2.4$

Step 5 Z<0 and the absolute value of $Z > z_{1-\alpha}$ (2>1.645). Where $\alpha = 0.05$ (95% of normal distribution)

Therefore, there is enough evidence to determine that there is a DOWNWARD trend

$$V(S) = \frac{n(n-1)(2n+5)}{18} - \sum_{p=1}^{2} W_p (W_p - 1)(2W_p + 5) = 2842 - \left[3(3-1)[(2)(3)+5] + 3(3-1)[(2)(3)+5]\right]$$

$$= 2842 - [3 \times 2 \times 11] + [3 \times 2 \times 11] = 2842 - [66 + 66]$$

$$= 2842 - 132 = 2710$$

2nd Trend (Oct. '02 - April '09)

Step 1

	0.24	0.31	0.26	0.21	0.29	0.21	0.24	0.25	0.12	0.19	0.09	0.00	0.30	0.05	0.27	0.44	0.22	0.01	0.02	0.01	0.56	0.75	0.01	0.00	0.01	0.43	0.83	Total (+) sign	Total (-) sign
0.24		1	1	-1	1	-1	0	1	-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	11	14
0.31			-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	5	20
0.26				-1	1	-1	-1	-1	-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	16
0.21					1	0	1	1	-1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	11	11
0.29						-1	-1	-1	-1	-1	-1	-1	1	-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	6	16
0.21							1	1	-1	-1	-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	10	11
0.24								1	-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	12
0.25									-1	-1	-1	-1	1	-1	1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	7	12
0.12										1	-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	9	9
0.19											-1	-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	9
0.09												-1	1	-1	1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	8	8
0.00													1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	14	0
0.30														-1	-1	1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	5	9
0.05															1	1	1	-1	-1	-1	1	1	-1	-1	-1	1	1	7	6
0.27																1	-1	-1	-1	-1	1	1	-1	-1	-1	1	1	5	7
0.44																	-1	-1	-1	-1	1	1	-1	-1	-1	-1	1	3	8
0.22																		-1	-1	-1	1	1	-1	-1	-1	1	1	4	6
0.01																			1	0	1	1	0	-1	-1	1	1	5	2
0.02																				-1	1	1	-1	-1	-1	1	1	4	4
0.01																					1	1	0	-1	-1	1	1	4	3
0.56																						1	-1	-1	-1	-1	1	2	4
0.75																							-1	-1	-1	-1	1	1	4
0.01																								-1	-1	1	1	2	2
0.00																									1	1	1	3	0
0.01																										1	1	2	0
0.43																											1	1	0
																									SUM		153	193

Step 2 S ((sum of + signs)-(sum of - signs)) = 153-193= -40

Step 3 g (number of tied group) = 4 (at 0.00; 0.01; 0.21 and 0.24)
t1 = 2 (for 0.00) t3 = 2 (for 0.21)
t2= 4 (for 0.01) t4= 2 (for 0.24)

V(S) = 2301 - 210 = 2091

Step 4 Since S is negative: Z = -0.9

Step 5 Z<0, but the absolute value of $Z<z_{1-\alpha}$ (0.9 < 1.645). Where $\alpha = 0.05$ (95% of normal distribution)
Therefore, there is NOT enough evidence to conclude that there is a trend

Appendix I.5

Drainage Report for CalPortland Company Mojave Quarry

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SESPE CONSULTING, INC.
A Trinity Consultants Company
374 Poli Street, Suite 200 • Ventura, CA 93001 • (805) 275-1515

DRAINAGE REPORT

FOR

CalPortland Company
Mojave Quarry
9350 Oak Creek Road
Mojave, Kern County, California

August 2025

Prepared for: CalPortland Company
2025 E. Financial Way
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DRAINAGE REPORT

CalPortland Company
Mojave Quarry
Kern County, California

August 2025

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CONSULTING, INC.
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DRAINAGE REPORT

CalPortland Company
Mojave Quarry
Kern County, California

August 2025

1.0 INTRODUCTION

Sespe Consulting, Inc. (Sespe) has prepared the following Drainage Report (report) on behalf of CalPortland Company (CalPortland) to address drainage requirements associated with CalPortland's proposed amendment to the reclamation plan for the Mojave Facility (Project). CalPortland operates an existing, vested limestone mining, processing, and cement production facility (Facility) located west of the community of Mojave, in Kern County, California. The Project seeks to amend the current 1979 Reclamation Plan boundaries within the vested Facility. As required by the Surface Mining and Reclamation Act of 1975 (SMARA), the Project will update the reclamation standards applicable to the Facility to SMARA current, modern requirements.

In summary, the Project meets SMARA § 3706 because erosion and sedimentation will be controlled during all phases of construction, operation, reclamation, and closure of the mining operation, and erosion control BMPs will be designed for the 20-year, 1-hour peak runoff event in accordance with SMARA and the County's requirements. Further, the Project's storm water sediment ponds will retain the 10-year, 5-day (ISDD) runoff volumes and will safely pass the estimated 100-year, 1-hour peak flow event; and diversion ditches and channels will safely carry the 100-year, 1-hour (CSDD) peak flow. Thus, the Project will not cause any adverse flooding or erosion effects on the Project site or surrounding properties.

1.1 Purpose and Scope

This report has been prepared to address drainage requirements specified in the Kern County Zoning Ordinance (Chapter 19.100.040), Kern County Development Standards (Drainage - Division Four), Kern County Hydrology Manual, and Surface Mining and Reclamation Act (SMARA) (CCR, Title 14, Division 2, Chapter 8, Subchapter 1, §§ 3503 and §§ 3706). The scope of this report is as follows:

- Identification of the tributary watershed to the Project site.
- Identification of floodplain(s) impacting the site.
- Identification and calculation of final conditions (post-reclamation) on-site runoff volumes and flow rates.
- Summary of impacts and conclusions.

1.2 Summary of the Drainage Report

The continuation of the mining operations planned as part of the Reclamation Plan Amendment being considered by CalPortland have necessitated the preparation of this report. This report has been developed to meet the following design objectives:

1. Set site drainage criteria as follows:
    A. Diversion of runoff from disturbed, active, non-reclaimed, and reclaimed mining areas into adjacent mining pits using diversion ditches and Best Management Practices (BMP) to control erosion and scouring of receiving drainages, as feasible.
    B. Control of runoff from disturbed, active, non-reclaimed, and reclaimed mining areas that cannot be retained on-site through sediment ponds designed for containment of runoff from the Intermediate Storm Design Discharge (ISDD) five (5) day storm event.
2. Segregation of runoff from disturbed areas such as access roads, parking areas, and undisturbed areas to the extent practical.
3. Diversion ditches and channels will be designed for the 100-year Capital Storm Design Discharge (CSDD) peak runoff.
4. Erosion control BMPs will be designed for the 20-year peak runoff.
5. Routing of runoff either into the open pits or to sediment ponds on site such that, to the extent feasible, runoff from the Project area is diverted from areas outside the limits of disturbance. Note that, in few instances throughout the Project area, it is not feasible to capture or divert runoff from the site due to property boundaries and topographic limitations. Treatment of these areas is discussed at the end of Section 5.1.

2.0 PROJECT DETAILS

2.1 Project Location

The Project is located approximately nine (9) miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in Kern County, California. It is located on the United States Geological Survey (USGS) Monolith and Willow Springs 7.5-minute topographic quadrangles in all or portions of Sections 13 through 15, 23 through 28, 33, and 34, Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M) according to the US Geologic Survey.

2.2 Project Description

CalPortland currently mines for limestone, shale, and other aggregate materials at the existing, vested mine site for processing and use in producing portland cement at their onsite cement plant. Quarry materials are sorted and crushed prior to being transferred to the cement production facility.

This Project includes the following reclamation activities: recontouring, stabilization, revegetation, and monitoring of final slopes and disturbed mining areas; reclamation of roads and ancillary equipment and facilities; and removal of processing facilities within the reclamation plan boundary upon the completion of surface mining operations. of internal haul/dirt roads, recontouring/regrading of slopes, removal of ancillary equipment/structures from the site as needed, and revegetation of the site for use as open space post-reclamation.

Figure 1 presents the proposed post-mining (reclaimed) configuration after the completion of reclamation activities. This configuration, and the resulting runoff calculations, assume that all revegetation requirements specified in the reclamation plan have been satisfied. The sediment ponds shown on the figure will be constructed as part of vested mining operations prior to the approval of final reclamation

conditions by the County of Kern and Division of Mine Reclamation to provide surface water and erosion controls for the post-mining condition. Active maintenance of the sediment ponds is not required, and they will be allowed to naturally gradually fill and integrate into the reclaimed landform, restoring a stable topography that reflects pre-disturbance conditions.

3.0 SITE CONDITIONS

The topography at the Project site varies greatly, containing steep ridgelines, rocky hillsides, desert scrubland, rolling hills, and desert washes. The elevations at the site range from 3,425 to 5,360 feet above mean sea level (amsl). No perennial water sources are located within the Project area, and the intermittent drainages were dry at the time of the site visit; there were no springs or seeps identified during a site visit (May 2020).

The Project site is located within the Willow Springs Hydrologic Area of the Antelope Hydrologic Unit. The Project area has no perennial streams or bodies of water; just seasonal/intermittent drainages. Major drainage in the Project area is primarily to the southeast to the Oak Creek drainage. An unnamed wash crosses the central portion of the Project area, running subparallel to Tehachapi-Willow Springs Road and flowing to the southeast.

Runoff on the northernmost side of the Project area is via a series of gullies or channels, which direct surface flows to Oak Creek channel that runs adjacent to the northern border of the site, along Oak Creek Road. Oak Creek is an intermittent stream with a drainage course that flows around the north and easternmost sides of the Project area then southeast towards the Antelope Valley. Runoff from the eastern half of the Project area generally flows south and east; ephemeral drainages direct flows to Oak Creek, east of the site. Runoff from the majority of the western half of the Project area flows south and east to an unnamed ephemeral channel that runs adjacent to Tehachapi Willow Springs Road. The confluence of unnamed channel and Oak Creek is approximately 5 miles southeast of the project site, near the recently permitted Blue Eagle Lode Mining Company operation.

The Project is located adjacent to the foothills of the Tehachapi Mountains, along the western edge of the arid Mojave Desert. Typical patterns of precipitation are winter rains and summer thunderstorms, which tend to be of short duration and high intensity.

3.1 Existing 100-Year Floodplain

A very minor portion of the southeasternmost Project area encroaches into the 100-year floodplain as currently mapped on FEMA FIRM Panel 06029C3275E (effective September 26, 2008) and as presented in Appendix 2. This area will ultimately become a runoff control sediment pond (as designed). During construction of the prescribed sediment ponds as part of the vested mining operations, consideration should be given to the location of floodplain and may result in the required relocation of Pond SE2. Additional floodplain mapping should be conducted prior to the construction of the sediment pond in this area during vested mining operations and should be considered during final reclamation activities to ensure there are impacts to the 100-year floodplain. This additional floodplain mapping is outside the scope of this report; however, it should be noted that the existing floodplain mapping in this area appears to overestimate flood risk due to exclusion of site-specific topography as shown in Figure 1.

The Project Area is located in Zone X, “[a]reas determined to be outside the 0.2% annual chance floodplain.” The northernmost edge of the Project Area, in close proximity to Oak Creek, is located

immediately adjacent to area mapped as Zone A, "[a]rea subject to 1% annual chance flood; no Base Flood Elevations determined."

Any changes in flow volumes in the downstream ephemeral drainages have not been evaluated as part of this report because the existing operations are part of an existing vested surface mining facility, thus changes in flow volumes compared to the existing and/or future mining conditions are not applicable to this analysis.

3.2 Soil Types and Runoff Curve Numbers

Existing soil types for the site were taken from a custom soil resource report for the Project site and surrounding areas based on the United States Department of Agriculture (USDA) National Resources Conservation Service (NRCS) web soil survey (NRCS 2006).

Table 1 presents the hydrologic soil groups (HSG) for the Project site and surrounding areas and their respective Soil Conservation Service (SCS) curve numbers (CN). Undisturbed ground cover in the Project area is predominantly mixed woody scrub vegetation which intergrade into the juniper woodland and Joshua tree woodland habitats (RCA Associates 2021).

Table 1: Soil Types and Runoff Curve Numbers

Area Description	Soil Type	Description for CN	CN
Woodland (Juniper / Joshua Tree)	Cajon loamy sand (0 to 5% slopes) Cajon gravelly loamy sand (0 to 9% slopes) Cinco gravelly loamy sand (50 to 75% slopes) Pajuela-Whitewolf association, steep	Pinyon / Juniper Range, fair condition, HSG B	49
	Garlock loamy sand (2 to 9% slopes) Hi Vista sandy loam (2 to 9% slopes) Wasioja sandy loam, cool (5 to 9% slopes)	Pinyon / Juniper Range, fair condition, HSG C	73
	Jawbone gravelly loamy sand (15 to 75% slopes) Quarries Randsburg sandy loam (2 to 15% slopes) Torriorthents-Rock outcrop complex (very steep)	Pinyon / Juniper Range, fair condition, HSG D	80
Mined Benches, Pits, and Haul Roads	Mined or compacted areas	Gravel, HSG A	85
Reclaimed Areas	Revegetated construction material stockpile areas and backfilled pits	Gravel, HSG A	65
Paved Areas	Paved areas (parking, roads, buildings)	Paved	98

4.0 RECLAMATION HYDROLOGY

The Site Drainage Plan has been developed as a guide for management of site drainage, sediment, and erosion controls during operations and for the post-mining conditions. The Reclamation site conditions are based on the site facilities and anticipated conditions developed by CalPortland and Sespe Consulting for the mine pits and construction material stockpiles.

The contributing watersheds for the diversion ditches around the construction material stockpile areas may change frequently over the life of the mine due to the phased development of the stockpiles and open pits. The Site Drainage Plan has been developed based upon an analysis of the watershed subbasins during the post-mining periods. To account for the changing watershed configuration on site during

operations, design criteria are provided to evaluate intermediate runoff control and diversion requirements on an ongoing basis as conditions change throughout the life of mine. The sediment ponds have been sized based on post-mining configuration; however, it is possible that the ponds may need to be expanded during operations to meet the runoff control criteria herein.

The reclamation site configuration was divided into 21 drainage basins as shown in Figure 1. The mining pits and stockpile layouts developed by CalPortland and Sespe Consulting were used to delineate the basins expected to contribute runoff from the Project area. Peak runoff resulting from the 20-year and 100-year storm events are shown for each of the drainage basins.

The post-mining basins were delineated assuming that the diversion ditches are constructed as shown in Figure 1. Diversion ditches are required throughout the property to direct runoff flows from stockpile areas to sediment ponds around the Project site.

Runoff CN values were assigned to each basin based on a soil survey of the site (NRCS 2006) and TR-55 tables (NRCS 1986). NOAA Atlas 14 Precipitation-Frequency estimates were used to determine the precipitation for the 100-year, 1-hour point rainfall and the 20-year, 1-hour point rainfall which were used to determine the Intensity-Duration Curves used in the Rational Method (see Reference B in Appendix 1). For each basin, a conservative time of concentration (Tc) of five (5) minutes was assumed. The basin areas and composite CN values were used with the Kern County Rational Method to determine the post-mining peak runoff.

4.1 Criteria for Rational Method Hydrology

The post-mining (reclamation) runoff rates were calculated using the Kern County Rational Method procedure; calculations are included in Appendix 1. The following criteria were selected for the Kern County Rational Method for the site:

- Precipitation for the storm events was obtained from NOAA Atlas 14 (NOAA 2014);
- 100-year, 1-hour point rainfall of 1.24 inches along with a slope of 0.55 on a log-log graph was used to determine Intensity-Duration Curve used in the Rational Method for 100-year peak runoff;
- 20-year, 1-hour point rainfall of 0.876 inches along with a slope of 0.55 on a log-log graph was used to determine Intensity-Duration Curve used in the Rational Method for erosion control facilities;
- 10-year, 24-hour point rainfall of 3.41 inches was used for sediment pond volume calculations based on basin yield per Kern County procedure;
- The Multiday Rainfall Mass Ratio of 1.44 was used to estimate the 10-year, 5-day runoff volume from the calculated 10-year, 24-hour runoff volume;
- Runoff CN values were selected based on Table 1 descriptions and soil types; and
- A conservative time of concentration (Tc) of 5 minutes was used for each subbasin.

4.2 Peak Flow Estimates

Basins were delineated based on anticipated topographic conditions, and runoff CN values were assigned to the various land uses and vegetative covers as presented in Appendix 1. Times of concentration were assumed using conservative estimates. Peak flows for all basins were estimated using the Kern County Rational Method using the basin areas, CN values, and times of concentration; the resulting values are shown on Table 2 below and in Appendix 1.

Table 2: Peak Flow Summary

Basin ID	Final Reclamation Basin Area (acres)	Composite CN	Final Reclamation Peak Runoff Q_{20} (cfs)	Final Reclamation Peak Runoff Q_{100} (cfs)	Minimum Sediment Pond Capacity[A] (ac-ft)
A1	599.7	81	1,610	2,455	--
A2	25.7	59	61	97	--
A3	154.8	71	392	610	--
B1	176.3	80	470	719	--
B2	16.3	69	41	64	--
C1	171.8	75	444	686	--
D1	348.1	75	900	1,391	--
E1	454.7	67	1,123	1,764	55.8
E2	104.0	73	266	413	
F1	384.9	65	941	1,483	33.0
M1	308.9	71	782	1,218	37.8
NW1	33.2	67	82	129	5.7
NW2	47.6	66	117	184	4.4
S1	64.6	69	162	253	7.1
S2	70.3	67	174	273	6.8
S3	35.0	68	87	136	1.6
SE1	202.0	74	521	805	26.9
SE2	467.5	80	1,250	1,909	36.1
SW1	61.3	66	151	237	5.9
SW2	56.1	67	139	218	5.8
W1	127.8	74	329	510	18.9

[A] Subbasins without a "Minimum Sediment Pond Capacity" shown drain to internal mining pits or natural low areas that will contain, at a minimum, the runoff generated from the 10-year, 5-day storm. Therefore, no additional sediment ponds were required to be constructed to meet the criteria set forth in this report. Since Pita E and F will be backfilled, sediment pond capacity requirements have been specified above.

5.0 SITE-WIDE STORM WATER CONTROLS

This section presents a discussion of the design of storm water runoff and erosion controls across the site. The various planned diversion and retention structures required to meet the design objectives are described in the following subsections.

The conceptual diversion ditch and sediment pond designs included herein shall be verified prior to and during operations as the contributing watersheds change. The designs will be completed in general accordance with the design criteria and typical details provided in this Site Drainage Plan. Through experience in development and implementation of BMPs, it is recommended that actual locations and details for BMP installations be determined at the time of construction rather than presented in detail in proposed design drawings. Therefore, only typical details and approximate locations are presented on the figure.

5.1 Runoff and Erosion Controls

The main storm water channels and sediment ponds constructed during vested surface mining operations will be designed to safely pass the estimated 100-year peak flow (CSDD) with erosion control BMPs designed for the 20-year, 1-hour intensity storm event per SMARA regulations. Peak flow for diversion

channels (ditches) will be estimated using the 100-year, 1-hour intensity storm event and the rational method per the Kern County Hydrology Manual. A 6-inch freeboard is required for all channels in accordance with Kern County Development Standards.

The general locations of the channels are shown in Figure 1 for the post-mining (reclaimed) conditions. Typical sediment pond details and a typical diversion ditch section are also shown on the figure.

Erosion control will primarily be provided by placing riprap in key areas. Large quantities of rock suitable for riprap are anticipated on site. Sediment will be managed through BMP alternatives such as placing rock check dams in the collection channels at select locations.

The construction material stockpiles will be graded to promote runoff into the open pits where possible; benches will discourage runoff down the stockpile faces when possible. Runoff directed into the open pits will infiltrate or evaporate; therefore, water accumulation is not expected. Furthermore, the majority of the precipitation falling directly on the construction material stockpiles is expected to seep into the pile before runoff occurs.

There are several construction material stockpile areas that, in their final condition, will not drain to a sediment pond, diversion ditch, or mining pit due to the localized topography. These areas must employ additional erosion and sediment control measures, which include the installation of straw wattles at the top-of-slope, toe-of-slope, and at 10-foot intervals on the slope face along the contours. In addition, these areas must be revegetated as described in the approved Revegetation Plan. The seed palette and quantity of seed should match the revegetation requirements listed in the Reclamation Plan. These areas are highlighted in Figure 1.

5.2 Storm Water BMPs

During ongoing mining operations throughout the life of the mine, storm water controls and BMPs will be implemented as described in the site-specific Storm Water Pollution Prevention Plan (SWPPP). The SWPPP, or a similar environmental document (if regulatory requirements change over the course of mine life), will specify interim BMPs to ensure erosion and sediment controls are implemented on site. Interim BMPs for mining and operational phases are outside the scope of this report.

5.3 Sediment Pond Design

Sediment pond (e.g., detention basin) design capacity is based on the Intermediate Storm Design Discharge (ISDD) five (5) day design storm runoff volumes. Ponds are required for subbasins where runoff cannot be routed to the mining pits. Sediment ponds shall be constructed in accordance with the design specifications included in this report as part of vested mining operations prior to the approval of final reclamation conditions by the County of Kern and DMR. The sediment ponds, as described in this report, will remain in place for use in storm water management following reclamation and will be allowed to naturally fill with captured sediment over time. The pond locations and estimated required capacities are summarized in Table 3.

Table 3: Sediment Pond Summary

Pond Identifier	Location	Required Minimum Volume (ac-ft)	Site Condition Governing Design Criteria
E1+E2	Within the backfilled Pit E, southeast side of the pit	55.8	Final Reclamation
F1	Within the backfilled Pit F, east side of the pit	33.0	Final Reclamation
M1	Adjacent to the eastern project boundary, east of Pit B and south of Pit D	37.8	Final Reclamation
NW1	Adjacent to Tehachapi Willow Springs Road along the western project boundary, southwest of Pit F	5.7	Final Reclamation
NW2	Adjacent to Tehachapi Willow Springs Road, at the northwest corner of the project site	4.4	Final Reclamation
S1	Southeast side of the site, southeast of Pit B	7.1	Final Reclamation
S2	Southeast corner of the site, east of Pit B and south of Pit D	6.8	Final Reclamation
S3	Adjacent to Tehachapi Willow Springs Road, at the southern edge of the project site	1.6	Final Reclamation
SE1	Adjacent to the eastern project boundary, southeast of Pit D	26.9	Final Reclamation
SE2	Eastern side of the site, south of the Plant area, designed location coincides with existing sediment pond location	36.1	Final Reclamation
SW1	Southwest corner of the site, southeast of Pit A	5.9	Final Reclamation
SW2	Southern side of the site, east of Pit A and south of Pit B, along the south side of Tehachapi Willow Springs Road	5.8	Final Reclamation
W1	Natural low area along the western side of the site	18.9	Final Reclamation

Where topographically feasible, runoff from disturbed areas will be diverted directly into the mining pits. For areas where it is not possible to direct water into the pits, runoff will be collected in sediment ponds. As mining operations progress, temporary sediment ponds may be required. Requirements and locations for such ponds will be determined as part of the ongoing mine design and operation.

Final configuration of the sediment ponds may incorporate a combination of excavation and fill during vested mining operations in order to meet the required capacity. Ponds will be constructed with an emergency spillway sized to pass the peak flow of the 100-year storm in the event of a major storm occurring while ponds are full or the outlet pipe does not function as designed. The embankment design will have a configuration of 2H:1V upstream and downstream slopes with a 15-foot-wide access road along the crest. The embankments will also be engineered and designed to current applicable standards and sized to avoid classification as jurisdictional dams under the California Department of Water Resources Division of Safety of Dams' statutes.

Storm water flow from large storms or successive storms that exceed the design capacity will be routed through the sediment ponds via an emergency spillway protected with riprap.

5.4 Construction Material Stockpile Management

The proposed layout of the construction material stockpiles around the site is shown in Figure 1. The stockpiles shown in the final reclaimed condition are at 1.75:1 (horizontal:vertical), with 15-foot horizontal benches every 50 vertical feet to control erosion on the slope faces and allow for the efficient collection and management of stormwater on the stockpiles. The tops of the stockpiles are near horizontal and a minimum 50-foot offset will be maintained between the toe of a stockpile and the crest of an adjacent pit.

5.5 Reclaimed Condition

As shown in the final reclamation drainage plan (Figure 1), excess construction aggregate materials that are not processed and sold as aggregate prior to the termination of the mining permit will remain in place. In addition, Pits E and F will be backfilled with excess aggregate materials. The piles and backfilled areas will be revegetated to provide longer-term soil stability, reduce visual contrasts, and provide wildlife habitat. Steep slopes and benches in the open pits that are not covered by backfilled topsoil will not be revegetated; however, all runoff from the pit benches will be retained within the pit and will not discharge.

In some areas, specifically on the northern portion of the site, it may not be possible to capture all storm water runoff in sediment ponds prior to discharging from the site. In these instances, sediment and erosion control BMPs will be implemented while permanent vegetation is established to mitigate the migration of sediment offsite. These additional BMPs are identified in Section 5.1 and in Figure 1.

6.0 SUMMARY OF IMPACTS

The extension of the mine life and expansion of the mining footprint planned as part of the Reclamation Plan Amendment being considered by CalPortland, as described in this report, are not expected to cause any adverse flooding effects on the surrounding properties. As identified below, implementation of the Project is in conformance with Kern County development standards and SMARA performance standards.

As described herein, the Project meet SMARA §§ 3706 because erosion and sedimentation will be controlled during all phases of construction, operation, reclamation, and closure of the mining operation and erosion control BMPs will be designed for the 20-year, 1-hour peak runoff in accordance with SMARA requirements.

In accordance with Kern County Development Standards for drainage, the storm water sediment ponds design will retain the 10-year, 5-day (ISDD) runoff volumes and safely pass the estimated 100-year, 1-hour peak flow; and diversion ditches and channels will safely carry the 100-year, 1-hour (CSDD) peak flow.

6.1 Potential Impacts to Surrounding Water Bodies

No further encroachment into the existing floodplain is planned during the mining project. Local drainage within the mining operation will be collected in the designed sediment ponds or within the pits. Erosion control methods implemented at the site must be designed to handle runoff from not less than the 20-year, 1-hour storm. As mining operations progress, temporary diversion ditches and sediment ponds may be required. Requirements and locations for such ponds will be determined as part of the ongoing mine design and operation.

The proposed design of the construction material stockpiles, along with mitigation measures described within this report (i.e., storm water diversion ditches/channels and sediment ponds, straw wattles), are

expected to sufficiently reduce erosion and sediment issues. The Project site is in an area that receives minimal precipitation annually. Where feasible, runoff from the stockpiles will be routed to the mining pits and retained on site, and the high evaporative rate paired with the anticipated coarse nature of the stockpiled material will be sufficient to protect both on-site and downstream beneficial uses of water (as required by SMARA).

In addition, erosion and sedimentation control is necessary during all phases of construction, operation, reclamation, and final closure of the mine. As described previously, sediment ponds, diversion ditches, temporary sediment control BMPs, and revegetation are expected to minimize erosion and sedimentation caused by mining operations.

The project, as described herein, is not expected to have any significant impacts to downstream areas.

7.0 LIMITATIONS

The analyses, conclusions, and recommendations contained in this report are based on on-site conditions as they existed at the time of our site reconnaissance (May 2020) and the proposed final condition of the site, as represented in CalPortland's Reclamation Plan Amendment. The findings of this report are valid as of the present date; however, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated wholly or partially by changes outside our control. Therefore, this report is subject to review periodically.

Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted engineering principles and practices used in the Project vicinity at this time. No warranty is provided, either express or implied.

8.0 REFERENCES

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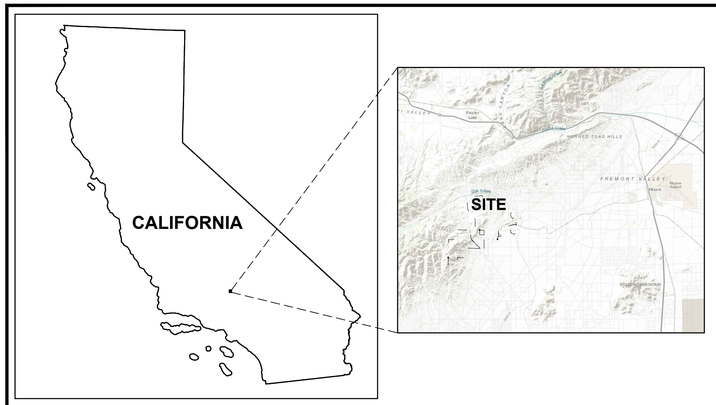
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Figures



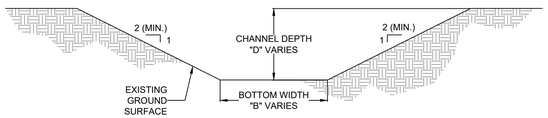
INDEX MAP

LEGEND

- PROJECT BOUNDARY
- DRAINAGE BASIN BOUNDARY
- FINAL RECLAIMED CONTOURS
- 100-YEAR FLOODPLAIN
- SUBBASIN DESIGNATION (e.g. NW1 / 77 / 48)
  - AREA (ACRES)
  - CURVE NUMBER
- STORM WATER DIVERSION DITCH
- SEDIMENT POND
- STOCKPILE AREAS THAT DO NOT DRAIN TO A SEDIMENT POND PRIOR TO DISCHARGE (SEE NOTE 1 BELOW)

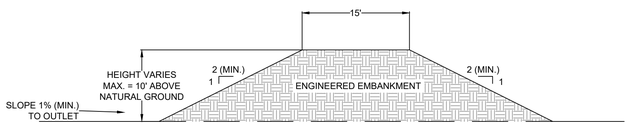
DRAINAGE NOTES

1. CONSTRUCTION MATERIAL STOCKPILE AREAS THAT DO NOT DRAIN TO A SEDIMENT POND, DIVERSION DITCH, A MINING PIT MUST EMPLOY ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING:
   - INSTALLING STRAW WATTLES AT A MAXIMUM INTERVAL OF 10 FEET ALONG SLOPED AREAS (SEE DETAIL HEREON).
   - SPRAYING FINISHED SLOPES WITH HYDROSEED (HYDAULIC MULCH, SEED, FERTILIZER, AND STABILIZING EMULSION). THE TYPE AND QUANTITY OF SEED SHOULD BE AS DESCRIBED IN THE REVEGETATION PLAN WITHIN THE RECLAMATION PLAN.
2. VEGETATION SHOULD BE PRESERVED IN AREAS WHERE MINING / STOCKPILING WILL NOT OCCUR, AND SHOULD BE CLEARED ONLY WHEN MINING OF A SPECIFIC AREA IS SET TO OCCUR.



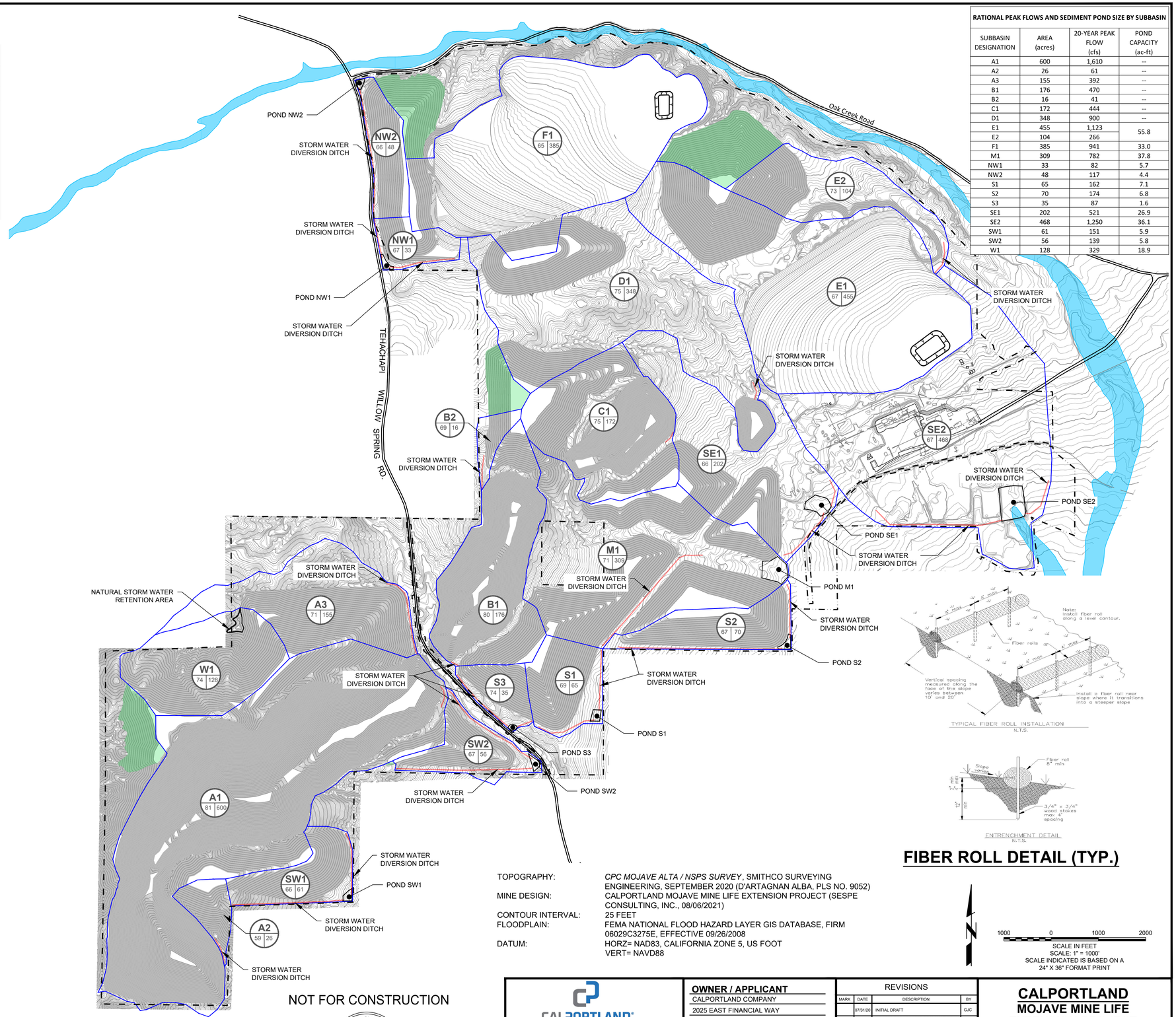
DITCH CROSS SECTION (TYP.)

N.T.S.



SEDIMENT POND EMBANKMENT CROSS SECTION (TYP.)

N.T.S.



RATIONAL PEAK FLOWS AND SEDIMENT POND SIZE BY SUBBASIN

SUBBASIN DESIGNATION	AREA (acres)	20-YEAR PEAK FLOW (cfs)	POND CAPACITY (ac-ft)
A1	600	1,610	--
A2	26	61	--
A3	155	392	--
B1	176	470	--
B2	16	41	--
C1	172	444	--
D1	348	900	--
E1	455	1,123	55.8
E2	104	266	
F1	385	941	33.0
M1	309	782	37.8
NW1	33	82	5.7
NW2	48	117	4.4
S1	65	162	7.1
S2	70	174	6.8
S3	35	87	1.6
SE1	202	521	26.9
SE2	468	1,250	36.1
SW1	61	151	5.9
SW2	56	139	5.8
W1	128	329	18.9

TYPICAL FIBER ROLL INSTALLATION
N.T.S.

ENTRENCHMENT DETAIL
N.T.S.

FIBER ROLL DETAIL (TYP.)

TOPOGRAPHY: *CPC MOJAVE ALTA / NSPS SURVEY*, SMITHCO SURVEYING ENGINEERING, SEPTEMBER 2020 (D'ARTAGNAN ALBA, PLS NO. 9052)
MINE DESIGN: CALPORTLAND MOJAVE MINE LIFE EXTENSION PROJECT (SESPE CONSULTING, INC., 08/06/2021)
CONTOUR INTERVAL: 25 FEET
FLOODPLAIN: FEMA NATIONAL FLOOD HAZARD LAYER GIS DATABASE, FIRM 06029C3275E, EFFECTIVE 09/26/2008
DATUM: HORZ= NAD83, CALIFORNIA ZONE 5, US FOOT
VERT= NAVD88

N

1000 0 1000 2000
SCALE IN FEET
SCALE: 1" = 1000'
SCALE INDICATED IS BASED ON A 24" X 36" FORMAT PRINT

NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER — A. PEARCE SWERDFEGER — NO. C87466 — CIVIL — STATE OF CALIFORNIA

A. PEARCE SWERDFEGER R.C.E. 87466 EXP. 09-30-2025

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REVISIONS

MARK	DATE	DESCRIPTION	BY
	07/31/00	INITIAL DRAFT	GJC
	08/23/21	REVISED FOR UPDATED RECLAMATION PLAN DRAWINGS	APS
	09/22/21	UPDATED BASIN SIZING METHODOLOGY AND FOOTPRINT	APS
	07/30/25	CORRECTED PROJECT BOUNDARY	APS

REVIEWED BY: _____ DATE _____ DATE _____

CALPORTLAND
MOJAVE MINE LIFE EXTENSION PROJECT

FINAL RECLAMATION DRAINAGE PLAN

SCALE: HORIZ. AS SHOWN VERT. AS SHOWN
DRAWN BY: G.CAMUS
CHECKED BY: APS

FIGURE 1

Plot Date: C:\Users\temp\Trinity Consultants, Inc\CalPortland – 210509.0032 CUP Mod–RPA\07 CAD–GIS\Drainage Study CAD\CalPortland–Mojave–Drainage–FinalRec_2025–v1.0.dwg Jul 30, 2025, 12:00pm temp

Appendix 1

Mojave Quarry Hydrology Calculations

SESPE CONSULTING, INC.
A Trinity Consultants Company
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HYDROLOGY CALCULATIONS
CALPORTLAND MOJAVE QUARRY
LIFE OF MINE EXTENSION PROJECT

In support of the Drainage Report, an evaluation of peak flow rates generated by the 20-year and 100-year precipitation events at the Mojave Quarry site for the reclaimed conditions has been prepared. The methodology, data sources, assumptions, conclusions, and calculations are presented herein.

To comply with the Surface Mining and Reclamation Act (SMARA) regulations, diversion ditches constructed for mining operations are designed to convey the 20-year, 1-hour storm event. Since Kern County development standards also require that the ditches must also safely pass the 100-year flows, the 100-year flows are also estimated and presented in these calculations. For volume calculations, the 10-year, 5-day precipitation event is used to estimate runoff volumes to be used for sediment pond volumes as required by Kern County development standards. Sediment ponds will be required to remain post mine closure. Riser pipe outlets should be designed to release sediment pond volume over 24-72 hours and emergency overflow weirs in embankments to release 100-year flows. Note that this level of design is beyond the scope of this report and calculations and specifications for riser pipe outlets and overflow weirs are not included.

1.0 METHODOLOGY

Using the existing topographic survey data and proposed mine plan topographic design contours, drainage subbasins were delineated for the end of mining / post-mining (reclaimed) conditions. Refer to Figures 1, of the Site Drainage Plan for subbasin delineation. NOAA Atlas 14 Precipitation Frequency Estimates were used to provide precipitation values for the 20-year, 1-hour; the 100-year, 1-hour; and the 10-year, 24-hour storm events (see Attachment C). Peak flow rates for the 20-year and 100-year storms were calculated using the Rational Method as set forth in the Kern County Hydrology Manual (Hromadka). Rational Method peak flow rates are used in the Site Drainage Plan as an initial estimate of ditch and channel sizing for the overall layout and comparison of final reclaimed conditions.

Sediment ponds are sized to contain storm runoff up to the 10-year, 5-day storm volume, with larger storms passing over an emergency weir in the pond embankment. Runoff volume estimation for the 10-year, 5-day storm uses the catchment yield fraction, Y, for the 10-year, 24-hour storm runoff adjusted by the multiday rainfall mass ratio as set forth in the Kern County Hydrology Manual.

2.0 DATA & ASSUMPTIONS

The following data sources and assumptions were used in the hydrologic and hydraulic calculations in this report:

- NRCS soil survey maps were used to aid in curve number selection;
- Unless otherwise indicated, subbasins are assumed to contain 2% impervious area;
- Precipitation depths for the various storms were obtained from NOAA Atlas 14; full tables are presented in Attachment C (NOAA 2014). The NOAA Point Precipitation Frequency Estimates do not include a 20-year recurrence interval, so data for the 25-year recurrence interval was conservatively used;
- A conservative time of concentration (Tc) of 5 minutes was used for each subbasin;
- The Multiday Rainfall Mass Ratio of 1.44 was used to estimate the 10-year, 5-day runoff volume from the calculated 10-year, 24-hour runoff volume;
- The calculated time of concentration for the 20-year flow calculation was increased by a factor of 1.09, per the Kern County Hydrology Manual; and
- Mining pit areas are assumed to act as retention ponds with no contribution to runoff.

3.0 CALCULATIONS

Basins were delineated and area-weighted composite curve numbers were calculated based on different cover and soil types, as presented in Table A. The 20-year and 100-year peak flow rates were calculated using the Rational Method in accordance with the Kern County Hydrology Manual. Rational Method calculations are presented in Table V.

Basin information and calculations for the 10-year, 5-day runoff volumes using the Kern County runoff volume estimation are presented in Table C. The 10-year, 5-day runoff volumes were used to determine sediment pond volumes for the post-mining condition.

4.0 CONCLUSIONS / RESULTS

A summary of the estimated peak flows calculated with the Rational Method in accordance with the Kern County Hydrology Manual for the post-mining conditions are presented in Table B. Required sediment basin volumes are presented in Table C.

These calculations are summarized below.

Developed Condition	Basin ID	Area (acres)	Composite CN	20-year Rational Method Peak Flow (cfs)	100-year Rational Method Peak Flow (cfs)	10-year, 24-hour Runoff Volume (ac-ft)
Final Reclamation	A1	599.7	81	1,609.7	2,455.0	--
Final Reclamation	A2	25.7	59	60.9	97.1	--
Final Reclamation	A3	154.8	71	392.0	610.1	--
Final Reclamation	B1	176.3	80	470.2	718.7	--
Final Reclamation	B2	16.3	69	40.9	64.0	--
Final Reclamation	C1	171.8	75	444.3	686.5	--
Final Reclamation	D1	348.1	75	900.4	1,391.1	--
Final Reclamation	E1	454.7	67	1,123.4	1,764.3	55.8
Final Reclamation	E2	104.0	73	266.2	412.8	
Final Reclamation	F1	384.9	65	940.7	1,483.2	33.0
Final Reclamation	M1	308.9	71	782.4	1,217.8	37.8
Final Reclamation	NW1	33.2	67	82.0	128.8	5.7
Final Reclamation	NW2	47.6	66	117.1	184.2	4.4
Final Reclamation	S1	64.6	69	161.9	252.9	7.1
Final Reclamation	S2	70.3	67	173.6	272.6	6.8
Final Reclamation	S3	35.0	68	87.0	136.3	1.6
Final Reclamation	SE1	202.0	74	520.6	805.3	26.9
Final Reclamation	SE2	467.5	80	1,249.7	1,908.7	36.1
Final Reclamation	SW1	61.3	66	150.9	237.4	5.9
Final Reclamation	SW2	56.1	67	138.5	217.5	5.8
Final Reclamation	W1	127.8	74	329.4	509.5	18.9

5.0 LIST OF TABLES & ATTACHMENTS

- Table A Subbasin Summary Table
- Table B Rational Method Calculations
- Table C Sediment Pond Sizing
- Attachment A HydroCAD Output Data
- Attachment B Intensity-Duration-Frequency Curve
- Attachment C NOAA Atlas 14 Precipitation Tables

TABLE A:
SUBBASIN SUMMARY

Company	CalPortland
Location	Mojave Quarry
Project ID	210509.0032

Design Storm	100 -Year Reccurance Interval		
Storm Duration (hours)	2-Year Depth (inches)	100-Year Depth (inches)	Storm Distribution
24	2.00	5.66	II

	Subbasin ID	Subbasin Area [(1)] (acres)	Subbasin Area (sq mile)	Composite SCS Curve Number [(1)], CN	Estimated Soil Capacity, S (in)	Initial Abstraction, I_a (in)	Unit Runoff, Q (in)	Runoff Volume (ac-ft)	Runoff Volume (ft^3)
Final Reclamation	A1	599.70	0.9370	81	2.35	0.47	3.58	178.67	7,783,027
	A2	25.68	0.0401	59	6.95	1.39	1.63	3.48	151,504
	A3	154.76	0.2418	71	4.08	0.82	2.63	33.88	1,475,930
	B1	176.34	0.2755	80	2.50	0.50	3.48	51.08	2,224,978
	B2	16.34	0.0255	69	4.49	0.90	2.45	3.33	145,266
	C1	171.80	0.2684	75	3.33	0.67	2.99	42.87	1,867,378
	D1	348.13	0.5440	75	3.33	0.67	2.99	86.87	3,784,093
	E1	454.69	0.7104	67	4.93	0.99	2.28	86.26	3,757,369
	E2	103.99	0.1625	73	3.70	0.74	2.81	24.34	1,060,321
	F1	384.89	0.6014	65	5.38	1.08	2.11	67.59	2,944,201
	M1	308.88	0.4826	71	4.08	0.82	2.63	67.63	2,945,832
	NW1	33.20	0.0519	67	4.93	0.99	2.28	6.30	274,328
	NW2	47.57	0.0743	66	5.15	1.03	2.19	8.69	378,425
	S1	64.59	0.1009	69	4.49	0.90	2.45	13.19	574,351
	S2	70.26	0.1098	67	4.93	0.99	2.28	13.33	580,620
	S3	34.97	0.0546	68	4.71	0.94	2.36	6.88	299,900
	SE1	201.98	0.3156	74	3.51	0.70	2.90	48.83	2,127,072
	SE2	467.51	0.7305	80	2.50	0.50	3.48	135.42	5,898,823
	SW1	61.31	0.0958	66	5.15	1.03	2.19	11.20	487,705
	SW2	56.06	0.0876	67	4.93	0.99	2.28	10.64	463,293
	W1	127.80	0.1997	74	3.51	0.70	2.90	30.90	1,345,868

Notes:
(1) Subbasin area and CN calculated by HydroCAD model created based on the finished site conditions.

Calculation Summary:

Estimated Soil Capacity, S

$$S = \frac{1000}{CN} - 10$$

Where: S = estimated soil capacity (in)
CN = composite SCS curve number

Initial Abstraction, Ia

$$I_a = 0.2S$$

Where: I_a = initial abstraction (in)
S = estimated soil capacity (in)

Unit Runoff, Q

$$Q = \frac{(P - I_a)^2}{(P - I_a) + S}$$

Where: Q = unit runoff (in)
P = rainfall, 100 year (in)
I_a = initial abstraction (in)
S = estimated soil capacity (in)

Runoff Volume

$$V = \frac{Q}{12} \times A$$

Where: Q = unit runoff (in)
A = subbasin area (acres)

TABLE B:
RATIONAL METHOD FLOW RESULTS

Company	CalPortland
Location	Mojave Quarry
Project ID	210509.0032

							20-year, 1-hour Point Rainfall Depth (in)			100-year, 1-hour Point Rainfall Depth (in)		
							0.88			1.24		
	Subbasin ID	Subbasin Area (acres)	Pervious Area Fraction[(1)], a_p	Composite SCS Curve Number, CN	Infiltration Rate for Pervious Area[(2)], F_p (in/hr)	Maximum Loss Rate, F_m (in/hr)	Time of Concentration[(3)], Tc (min)	Rainfall Intensity, I (in/hr)	Peak Flow Rate, Q (cfs)	Time of Concentration[(3)], Tc (min)	Rainfall Intensity, I (in/hr)	Peak Flow Rate, Q (cfs)
Final Reclamation	A1	599.70	0.98	81	0.36	0.35	5.4	3.31	1,610	5.0	4.86	2,455
	A2	25.68	0.98	59	0.71	0.70	5.4	3.31	61	5.0	4.86	97
	A3	154.76	0.98	71	0.53	0.52	5.4	3.31	392	5.0	4.86	610
	B1	176.34	0.98	80	0.38	0.37	5.4	3.31	470	5.0	4.86	719
	B2	16.34	0.98	69	0.56	0.55	5.4	3.31	41	5.0	4.86	64
	C1	171.80	0.98	75	0.47	0.46	5.4	3.31	444	5.0	4.86	686
	D1	348.13	0.98	75	0.47	0.46	5.4	3.31	900	5.0	4.86	1,391
	E1	454.69	0.98	67	0.60	0.59	5.4	3.31	1,123	5.0	4.86	1,764
	E2	103.99	0.98	73	0.50	0.49	5.4	3.31	266	5.0	4.86	413
	F1	384.89	0.98	65	0.63	0.62	5.4	3.31	941	5.0	4.86	1,483
	M1	308.88	0.98	71	0.53	0.52	5.4	3.31	782	5.0	4.86	1,218
	NW1	33.20	0.98	67	0.60	0.59	5.4	3.31	82	5.0	4.86	129
	NW2	47.57	0.98	66	0.61	0.60	5.4	3.31	117	5.0	4.86	184
	S1	64.59	0.98	69	0.56	0.55	5.4	3.31	162	5.0	4.86	253
	S2	70.26	0.98	67	0.60	0.59	5.4	3.31	174	5.0	4.86	273
	S3	34.97	0.98	68	0.58	0.57	5.4	3.31	87	5.0	4.86	136
	SE1	201.98	0.98	74	0.48	0.47	5.4	3.31	521	5.0	4.86	805
	SE2	467.51	0.96	80	0.38	0.36	5.4	3.31	1,250	5.0	4.86	1,909
	SW1	61.31	0.98	66	0.61	0.60	5.4	3.31	151	5.0	4.86	237
	SW2	56.06	0.98	67	0.60	0.59	5.4	3.31	139	5.0	4.86	218
	W1	127.80	0.98	74	0.48	0.47	5.4	3.31	329	5.0	4.86	510

Notes:

(1) Unless otherwise indicated, subbasins are assumed to contain 2% impervious area. Subbasin SE2 impervious area was calculated as shown in Table C.

(2) The infiltration rate for pervious areas (F_p) was determined using the graph in Figure C-5 of the Kern County Hydrology Manual.

(3) The time of concentration for the 100-year event was conservatively assumed to be 5 minutes for all subbasins. The time of concentration for the 20-year event was increased by a factor of 1.09, per Kern County Hydrology Manual Table D.1.

Calculation Summary:

Maximum Loss Rate, F_m

$$F_m = a_p F_p$$

Where:

F_m = maximum loss rate (in/hr)
a_p = pervious area fraction
F_p = infiltration rate for pervious area (in/hr)

Rainfall Intensity, I

(as derived from the I-D graph in Reference B)

$$I_{100} = 10.333 \times Tc^{-0.54}$$

$$I_{20} = 6.747 \times Tc^{-0.55}$$

Where:

I_{100} = rainfall intensity, 100-year (in/hr)
I_{20} = rainfall intensity, 20-year (in/hr)
Tc = time of concentration (min)

Peak Flow Rate, Q

$$Q = 0.90(I - F_m)A$$

Where:

Q = peak flow rate (cfs)
I - rainfall intensity (in/hr)
F_m = maximum loss rate (in/hr)
A = area (acre)

TABLE C:
SEDIMENT POND SIZING

Company	CalPortland
Location	Mojave Quarry
Project ID	210509.0032

Design Storm	10-year, 24-hour	
	3.41	in.

	Subbasin	Area (ac.)	Subarea Fraction, A_j	Subarea Soil Group	Composite SCS Curve Number, CN	Infiltration Rate for Pervious Area[1], F_p (in/hr)	Estimated Soil Capacity, S (in)	Initial Abstraction, I_a (in)	Subarea Yield Fraction, Y_j	Subbasin Yield Fraction, Y	10-year, 24-hour Volume (acre-ft)	10-year, 5-day Volume[2] (acre-ft)
Final Reclamation	E1+E2	558.7	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.068	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.140	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.762	Reclaimed Area	65	0.63	5.38	1.08	0.207			
			0.031	Mined Benches and Pits	85	0.29	1.76	0.35	0.568			
										0.244	38.7	55.8
Final Reclamation	F1	384.9	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.017	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.001	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.984	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.209	22.9	33.0
Final Reclamation	M1	308.9	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.022	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.361	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.611	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.299	26.2	37.8
Final Reclamation	NW1	33.2	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.272	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.723	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.005	Mined Benches and Pits	85	0.29	1.76	0.35	0.568			
										0.421	4.0	5.7
Final Reclamation	NW2	47.6	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.152	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.000	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.848	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.225	3.0	4.4
Final Reclamation	S1	64.6	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.000	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.250	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.750	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.270	5.0	7.1

TABLE C:
SEDIMENT POND SIZING

Company	CalPortland
Location	Mojave Quarry
Project ID	210509.0032

Design Storm	10-year, 24-hour	
	3.41	in.

	Subbasin	Area (ac.)	Subarea Fraction, A_j	Subarea Soil Group	Composite SCS Curve Number, CN	Infiltration Rate for Pervious Area[1], F_p (in/hr)	Estimated Soil Capacity, S (in)	Initial Abstraction, I_a (in)	Subarea Yield Fraction, Y_j	Subbasin Yield Fraction, Y	10-year, 24-hour Volume (acre-ft)	10-year, 5-day Volume[2] (acre-ft)
Final Reclamation	S2	70.3	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.045	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.093	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.860	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.235	4.7	6.8
Final Reclamation	S3	35.0	0.018	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.121	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.000	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.358	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.115	1.1	1.6
Final Reclamation	SE1	202.0	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.251	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.401	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.288	Reclaimed Area	65	0.63	5.38	1.08	0.207			
			0.060	Mined Benches and Pits	85	0.29	1.76	0.35	0.568			
										0.326	18.7	26.9
Final Reclamation	SE2	467.5	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.412	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.033	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.513	Mined Benches and Pits	85	0.29	1.76	0.35	0.568			
			0.041	Paved Parking	98	0	0.20	0.04	0.932			
										0.189	25.1	36.1
Final Reclamation	SW1	61.3	0.084	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.000	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.163	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.753	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.234	4.1	5.9
Final Reclamation	SW2	56.1	0.080	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.077	Pinyon/juniper, HSG C	73	0.5	3.70	0.74	0.328			
			0.205	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.638	Reclaimed Area	65	0.63	5.38	1.08	0.207			
										0.255	4.1	5.8

TABLE C:
SEDIMENT POND SIZING

Company	CalPortland
Location	Mojave Quarry
Project ID	210509.0032

Design Storm	10-year, 24-hour	
	3.41	in.

	Subbasin	Area (ac.)	Subarea Fraction, A_j	Subarea Soil Group	Composite SCS Curve Number, CN	Infiltration Rate for Pervious Area[(1)], F_p (in/hr)	Estimated Soil Capacity, S (in)	Initial Abstraction, I_a (in)	Subarea Yield Fraction, Y_j	Subbasin Yield Fraction, Y	10-year, 24-hour Volume (acre-ft)	10-year, 5-day Volume[(2)] (acre-ft)
Final Reclamation	W1	127.8	0.000	Pinyon/juniper, HSG A	49	0.83	10.41	2.08	0.044			
			0.610	Pinyon/juniper, HSG D	80	0.38	2.50	0.50	0.459			
			0.390	Reclaimed Area	65	0.63	5.38	1.08	0.207			
			0.000	Mined Benches and Pits	85	0.29	1.76	0.35	0.568			
										0.361	13.1	18.9

Notes:
(1) The infiltration rate for pervious areas (F_p) was determined using the graph in Figure C-5 of the Kern County Hydrology Manual.
(2) The 10-year, 5-day rainfall volume is derived by multiplying the single day peak runoff from the 10-year, 24-hour rainfall volume by the cumulative total (1.44) of the Multiday Rainfall Mass Ratios listed in Table B.1. of the Kern County Hydrology Manual.

Calculation Summary:

Estimated Soil Capacity, S

$$S = \frac{1000}{CN} - 10$$

Where:
S = estimated soil capacity (in)
CN = composite SCS curve number

Initial Abstraction, Ia

$$I_a = 0.2S$$

Where:
I_a = initial abstraction (in)
S = estimated soil capacity (in)

Storm Runoff Yield Fraction (Subarea), Y_j

$$Y_j = \frac{(P_{24} - I_a)^2}{(P_{24} - I_a + S) \times P_{24}}$$

Where:
Y_j = 24-hour storm runoff yield fraction for subarea A_j
P_{24} = rainfall, 24-hour (in)
I_a = initial abstraction (in)
S = estimated soil capacity (in)

Storm Runoff Yield Fraction (Subbasin), Y

$$Y = \frac{Y_1 A_1 + \cdots + Y_m A_m}{A_1 + \cdots + A_m}$$

Where:
Y_j = 24-hour storm runoff yield fraction for subarea A_j
A_j = subarea (ac.)

Runoff Volume, V

$$V = A \times Y \times \frac{P}{12}$$

Where:
V = runoff volume (acre-ft)
Y = area weighted yield fraction
A = subbasin area (ac.)
P = rainfall (in)

Attachment A

HydroCAD Output Data

Area Listing (all nodes)

Area (acres)	CN	Description (subcatchment-numbers)
204.118	85	Benches Pits and Roads, HSG A (A1, A2)
250.319	85	Benches Pits and Roads, HSG C (D1, E2, NW1, SE1, SE2)
502.337	85	Benches Pits and Roads, HSG D (A1, A3, B1, C1, D1, E1, M1, SE1, SE2)
19.413	98	Paved parking, HSG C (SE2)
0.027	98	Paved parking, HSG D (SE2)
24.900	49	Pinyon/juniper override, Fair, HSG A (A1, A2, S3, SW1, SW2)
381.912	73	Pinyon/juniper override, Fair, HSG C (B2, D1, E1, E2, F1, M1, NW1, NW2, S2, SE1, SE2, SW2)
729.139	80	Pinyon/juniper override, Fair, HSG D (A1, A3, B1, B2, C1, D1, E1, E2, F1, M1, S1, S2, S3, SE1, SE2, SW1, SW2, W1)
44.207	65	Reclaimed Areas, HSG A (A1, A2, SW1)
404.391	65	Reclaimed Areas, HSG C (A1, B1, B2, C1, D1, E1, E2, F1, M1, NW1, NW2, S2, SE1, SE2, SW2)
1,350.014	65	Reclaimed Areas, HSG D (A1, A3, B1, B2, C1, D1, E1, E2, F1, M1, S1, S2, S3, SE1, SE2, SW1, SW2, W1)
3,910.779	**74**	**TOTAL AREA**

Summary for Subcatchment A1: Subcat A1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
204.050	85	Benches Pits and Roads, HSG A
262.802	85	Benches Pits and Roads, HSG D
5.069	49	Pinyon/juniper override, Fair, HSG A
37.850	80	Pinyon/juniper override, Fair, HSG D
19.516	65	Reclaimed Areas, HSG A
0.251	65	Reclaimed Areas, HSG C
70.136	65	Reclaimed Areas, HSG D
599.673	81	Weighted Average
599.673		100.00% Pervious Area

Summary for Subcatchment A2: Subcat A2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
0.068	85	Benches Pits and Roads, HSG A
8.986	49	Pinyon/juniper override, Fair, HSG A
16.627	65	Reclaimed Areas, HSG A
25.680	59	Weighted Average
25.680		100.00% Pervious Area

Summary for Subcatchment A3: Subcat A3

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
1.010	85	Benches Pits and Roads, HSG D
63.329	80	Pinyon/juniper override, Fair, HSG D
90.417	65	Reclaimed Areas, HSG D
154.756	71	Weighted Average
154.756		100.00% Pervious Area

Summary for Subcatchment B1: Subcat B1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
127.489	85	Benches Pits and Roads, HSG D
7.862	80	Pinyon/juniper override, Fair, HSG D
0.000	65	Reclaimed Areas, HSG C
40.989	65	Reclaimed Areas, HSG D
176.339	80	Weighted Average
176.339		100.00% Pervious Area

Summary for Subcatchment B2: Subcat B2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
4.503	73	Pinyon/juniper override, Fair, HSG C
1.907	80	Pinyon/juniper override, Fair, HSG D
8.292	65	Reclaimed Areas, HSG C
1.633	65	Reclaimed Areas, HSG D
16.335	69	Weighted Average
16.335		100.00% Pervious Area

Summary for Subcatchment C1: Subcat C1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
66.181	85	Benches Pits and Roads, HSG D
26.612	80	Pinyon/juniper override, Fair, HSG D
0.360	65	Reclaimed Areas, HSG C
78.645	65	Reclaimed Areas, HSG D
171.797	75	Weighted Average
171.797		100.00% Pervious Area

Summary for Subcatchment D1: Subcat D1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
4.273	85	Benches Pits and Roads, HSG C
21.568	85	Benches Pits and Roads, HSG D
59.355	73	Pinyon/juniper override, Fair, HSG C
174.421	80	Pinyon/juniper override, Fair, HSG D
72.166	65	Reclaimed Areas, HSG C
16.349	65	Reclaimed Areas, HSG D
348.133	75	Weighted Average
348.133		100.00% Pervious Area

Summary for Subcatchment E1: Subcat E1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
16.004	85	Benches Pits and Roads, HSG D
3.140	73	Pinyon/juniper override, Fair, HSG C
43.749	80	Pinyon/juniper override, Fair, HSG D
74.683	65	Reclaimed Areas, HSG C
317.111	65	Reclaimed Areas, HSG D
454.687	67	Weighted Average
454.687		100.00% Pervious Area

Summary for Subcatchment E2: Subcat E2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
1.148	85	Benches Pits and Roads, HSG C
34.599	73	Pinyon/juniper override, Fair, HSG C
34.527	80	Pinyon/juniper override, Fair, HSG D
2.361	65	Reclaimed Areas, HSG C
31.358	65	Reclaimed Areas, HSG D
103.993	73	Weighted Average
103.993		100.00% Pervious Area

Summary for Subcatchment F1: Subcat F1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
6.457	73	Pinyon/juniper override, Fair, HSG C
0.361	80	Pinyon/juniper override, Fair, HSG D
140.183	65	Reclaimed Areas, HSG C
238.404	65	Reclaimed Areas, HSG D
385.405	65	Weighted Average
385.405		100.00% Pervious Area

Summary for Subcatchment M1: Subcat M1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
0.020	85	Benches Pits and Roads, HSG D
6.686	73	Pinyon/juniper override, Fair, HSG C
111.381	80	Pinyon/juniper override, Fair, HSG D
5.427	65	Reclaimed Areas, HSG C
185.367	65	Reclaimed Areas, HSG D
308.880	71	Weighted Average
308.880		100.00% Pervious Area

Summary for Subcatchment NW1: Subcat NW1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
0.154	85	Benches Pits and Roads, HSG C
9.032	73	Pinyon/juniper override, Fair, HSG C
24.010	65	Reclaimed Areas, HSG C
33.197	67	Weighted Average
33.197		100.00% Pervious Area

Summary for Subcatchment NW2: Subcat NW2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
7.247	73	Pinyon/juniper override, Fair, HSG C
40.326	65	Reclaimed Areas, HSG C
47.573	66	Weighted Average
47.573		100.00% Pervious Area

Summary for Subcatchment S1: Subcat S1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
16.116	80	Pinyon/juniper override, Fair, HSG D
48.468	65	Reclaimed Areas, HSG D
64.585	69	Weighted Average
64.585		100.00% Pervious Area

Summary for Subcatchment S2: Subcat S2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
3.193	73	Pinyon/juniper override, Fair, HSG C
6.520	80	Pinyon/juniper override, Fair, HSG D
5.643	65	Reclaimed Areas, HSG C
54.758	65	Reclaimed Areas, HSG D
70.114	67	Weighted Average
70.114		100.00% Pervious Area

Summary for Subcatchment S3: Subcat S3

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
1.256	49	Pinyon/juniper override, Fair, HSG A
8.532	80	Pinyon/juniper override, Fair, HSG D
25.180	65	Reclaimed Areas, HSG D
34.968	68	Weighted Average
34.968		100.00% Pervious Area

Summary for Subcatchment SE1: Subcat SE1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
10.948	85	Benches Pits and Roads, HSG C
1.214	85	Benches Pits and Roads, HSG D
50.748	73	Pinyon/juniper override, Fair, HSG C
80.918	80	Pinyon/juniper override, Fair, HSG D
20.949	65	Reclaimed Areas, HSG C
37.204	65	Reclaimed Areas, HSG D
201.981	74	Weighted Average
201.981		100.00% Pervious Area

Summary for Subcatchment SE2: Subcat SE2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
233.795	85	Benches Pits and Roads, HSG C
6.050	85	Benches Pits and Roads, HSG D
19.413	98	Paved parking, HSG C
0.027	98	Paved parking, HSG D
192.645	73	Pinyon/juniper override, Fair, HSG C
15.533	80	Pinyon/juniper override, Fair, HSG D
0.018	65	Reclaimed Areas, HSG C
0.025	65	Reclaimed Areas, HSG D
467.507	80	Weighted Average
448.066		95.84% Pervious Area
19.441		4.16% Impervious Area

Summary for Subcatchment SW1: Subcat SW1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
5.125	49	Pinyon/juniper override, Fair, HSG A
9.989	80	Pinyon/juniper override, Fair, HSG D
8.064	65	Reclaimed Areas, HSG A
38.133	65	Reclaimed Areas, HSG D
61.311	66	Weighted Average
61.311		100.00% Pervious Area

Summary for Subcatchment SW2: Subcat SW2

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
4.465	49	Pinyon/juniper override, Fair, HSG A
4.308	73	Pinyon/juniper override, Fair, HSG C
11.512	80	Pinyon/juniper override, Fair, HSG D
9.724	65	Reclaimed Areas, HSG C
26.056	65	Reclaimed Areas, HSG D
56.064	67	Weighted Average
56.064		100.00% Pervious Area

Summary for Subcatchment W1: Subcat W1

Runoff = 0.00 cfs @ 5.00 hrs, Volume= 0.000 af, Depth= 0.00"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 5.00-20.00 hrs, dt= 0.05 hrs
Type I 24-hr scaled to 1.00 hrs Rainfall=0.96"

Area (ac)	CN	Description
78.021	80	Pinyon/juniper override, Fair, HSG D
49.779	65	Reclaimed Areas, HSG D
127.800	74	Weighted Average
127.800		100.00% Pervious Area

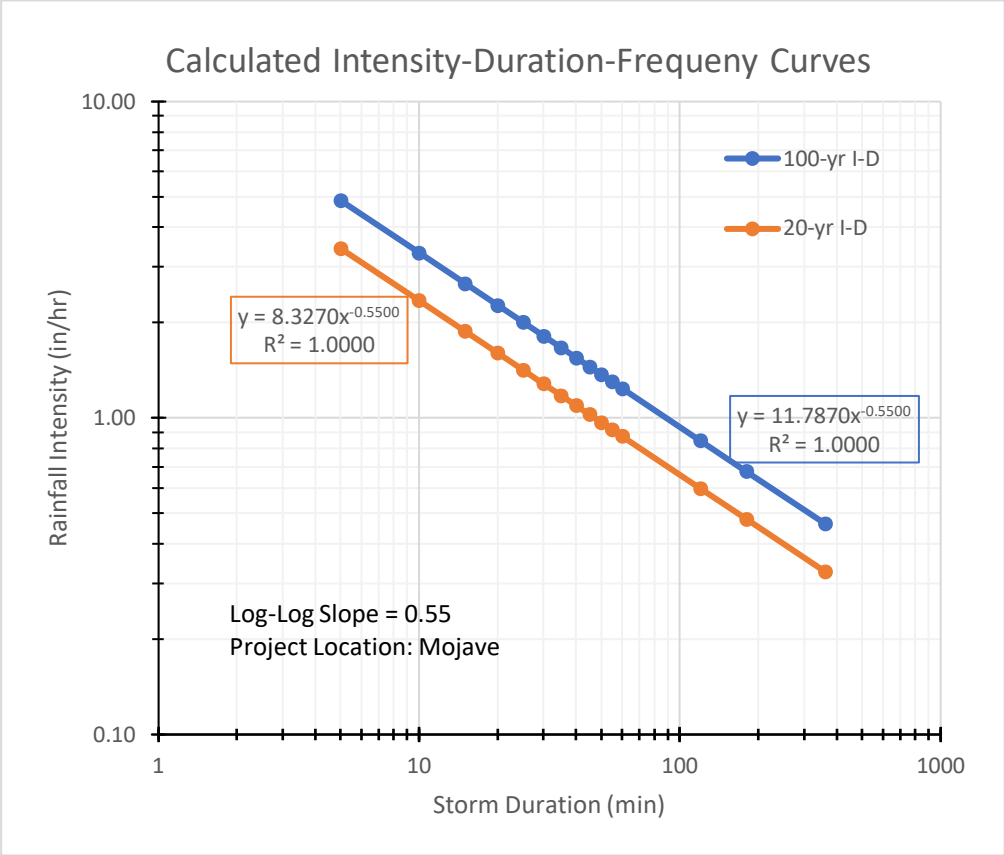
Attachment B

Intensity-Duration-Frequency Curves

REFERENCE B:
INTENSITY-DURATION-FREQUENCY CURVES

log-log slope 0.55

100-yr I-D		20-yr I-D[(1)]	
t (min)	I (in/hr)	t (min)	I (in/hr)
5	4.86	5	3.44
10	3.32	10	2.35
15	2.66	15	1.88
20	2.27	20	1.60
25	2.01	25	1.42
30	1.82	30	1.28
35	1.67	35	1.18
40	1.55	40	1.09
45	1.45	45	1.03
50	1.37	50	0.97
55	1.30	55	0.92
60	1.24	60	0.88
120	0.85	120	0.60
180	0.68	180	0.48
360	0.46	360	0.33



Notes:
Source: NOAA Atlas 14, Volume 6, Version 2, Point Precipitation Frequency Estimates. Location: Mojave, CA (Latitude: 35.0276°, Longitude: -
(1) NOAA PFDS does not include a 20-year reccurence interval, so data for the 25-year recurrence interval was conservatively used.

Attachment C

NOAA Atlas 14 Precipitation Tables

NOAA Atlas 14, Volume 6, Version 2
Location name: Mojave, California, USA*
Latitude: 35.0276°, Longitude: -118.3179°
Elevation: 3560.1 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.092 (0.076-0.113)	0.121 (0.100-0.149)	0.163 (0.134-0.201)	0.202 (0.164-0.251)	0.261 (0.205-0.335)	0.312 (0.241-0.409)	0.370 (0.279-0.497)	0.438 (0.320-0.604)	0.544 (0.382-0.783)	0.692 (0.469-1.03)
10-min	0.132 (0.109-0.162)	0.173 (0.143-0.213)	0.234 (0.192-0.288)	0.289 (0.236-0.359)	0.374 (0.294-0.480)	0.448 (0.345-0.586)	0.531 (0.399-0.713)	0.627 (0.459-0.866)	0.780 (0.548-1.12)	0.991 (0.673-1.48)
15-min	0.159 (0.131-0.195)	0.210 (0.172-0.257)	0.283 (0.232-0.349)	0.350 (0.285-0.435)	0.452 (0.356-0.580)	0.541 (0.417-0.709)	0.642 (0.483-0.862)	0.759 (0.555-1.05)	0.944 (0.663-1.36)	1.20 (0.814-1.79)
30-min	0.218 (0.180-0.268)	0.287 (0.236-0.353)	0.388 (0.318-0.477)	0.479 (0.390-0.595)	0.619 (0.487-0.795)	0.741 (0.571-0.971)	0.879 (0.661-1.18)	1.04 (0.760-1.43)	1.29 (0.907-1.86)	1.64 (1.11-2.44)
60-min	0.309 (0.254-0.379)	0.406 (0.334-0.499)	0.549 (0.450-0.675)	0.678 (0.552-0.842)	0.876 (0.690-1.12)	1.05 (0.808-1.37)	1.24 (0.936-1.67)	1.47 (1.08-2.03)	1.83 (1.28-2.63)	2.32 (1.58-3.46)
2-hr	0.468 (0.386-0.574)	0.605 (0.498-0.743)	0.799 (0.655-0.983)	0.968 (0.788-1.20)	1.22 (0.958-1.56)	1.43 (1.10-1.87)	1.65 (1.24-2.22)	1.91 (1.40-2.63)	2.29 (1.61-3.29)	2.62 (1.78-3.90)
3-hr	0.590 (0.486-0.723)	0.760 (0.625-0.933)	0.997 (0.818-1.23)	1.20 (0.977-1.49)	1.50 (1.18-1.92)	1.74 (1.34-2.28)	2.00 (1.50-2.68)	2.29 (1.67-3.15)	2.71 (1.90-3.89)	3.06 (2.08-4.56)
6-hr	0.835 (0.687-1.02)	1.09 (0.893-1.33)	1.43 (1.17-1.76)	1.71 (1.40-2.13)	2.12 (1.67-2.72)	2.44 (1.89-3.20)	2.79 (2.10-3.74)	3.16 (2.31-4.36)	3.68 (2.58-5.29)	4.11 (2.79-6.12)
12-hr	1.09 (0.895-1.33)	1.47 (1.21-1.81)	1.98 (1.63-2.44)	2.41 (1.96-2.99)	2.99 (2.35-3.84)	3.45 (2.66-4.51)	3.92 (2.95-5.26)	4.41 (3.23-6.09)	5.11 (3.59-7.35)	5.66 (3.84-8.43)
24-hr	1.42 (1.26-1.63)	2.00 (1.78-2.30)	2.77 (2.45-3.20)	3.41 (2.99-3.97)	4.28 (3.63-5.15)	4.96 (4.12-6.10)	5.66 (4.58-7.13)	6.39 (5.03-8.28)	7.39 (5.58-10.0)	8.19 (5.97-11.5)
2-day	1.75 (1.55-2.01)	2.46 (2.19-2.84)	3.43 (3.03-3.95)	4.24 (3.72-4.93)	5.38 (4.56-6.47)	6.29 (5.22-7.73)	7.24 (5.86-9.12)	8.25 (6.49-10.7)	9.68 (7.30-13.1)	10.8 (7.90-15.2)
3-day	1.94 (1.73-2.23)	2.73 (2.42-3.14)	3.79 (3.35-4.38)	4.70 (4.12-5.47)	6.00 (5.08-7.22)	7.04 (5.85-8.66)	8.15 (6.60-10.3)	9.34 (7.35-12.1)	11.0 (8.33-14.9)	12.4 (9.06-17.4)
4-day	2.11 (1.87-2.42)	2.95 (2.62-3.40)	4.09 (3.62-4.72)	5.07 (4.44-5.90)	6.46 (5.48-7.78)	7.60 (6.30-9.34)	8.80 (7.12-11.1)	10.1 (7.94-13.1)	11.9 (9.00-16.1)	13.5 (9.80-18.9)
7-day	2.42 (2.15-2.79)	3.36 (2.98-3.87)	4.61 (4.07-5.32)	5.66 (4.96-6.59)	7.15 (6.06-8.61)	8.35 (6.93-10.3)	9.62 (7.79-12.1)	11.0 (8.64-14.2)	12.9 (9.74-17.5)	14.5 (10.6-20.3)
10-day	2.60 (2.31-2.99)	3.58 (3.18-4.12)	4.87 (4.31-5.62)	5.96 (5.23-6.93)	7.47 (6.33-8.99)	8.69 (7.21-10.7)	9.96 (8.06-12.6)	11.3 (8.91-14.7)	13.3 (10.0-17.9)	14.8 (10.8-20.8)
20-day	3.13 (2.78-3.59)	4.30 (3.81-4.94)	5.82 (5.15-6.72)	7.08 (6.21-8.24)	8.82 (7.48-10.6)	10.2 (8.46-12.5)	11.6 (9.41-14.7)	13.2 (10.4-17.1)	15.4 (11.6-20.8)	17.1 (12.5-24.0)
30-day	3.66 (3.25-4.20)	5.03 (4.46-5.78)	6.80 (6.01-7.84)	8.25 (7.24-9.60)	10.3 (8.69-12.3)	11.8 (9.82-14.5)	13.5 (10.9-17.0)	15.3 (12.0-19.8)	17.8 (13.4-24.1)	19.9 (14.5-27.9)
45-day	4.37 (3.88-5.02)	5.98 (5.30-6.88)	8.08 (7.15-9.32)	9.81 (8.60-11.4)	12.2 (10.3-14.6)	14.0 (11.6-17.2)	16.0 (13.0-20.2)	18.1 (14.3-23.5)	21.2 (16.0-28.7)	23.7 (17.3-33.3)
60-day	4.96 (4.41-5.71)	6.75 (5.99-7.77)	9.07 (8.02-10.5)	11.0 (9.63-12.8)	13.6 (11.5-16.4)	15.7 (13.0-19.3)	17.9 (14.5-22.5)	20.3 (16.0-26.3)	23.7 (17.9-32.1)	26.7 (19.4-37.4)

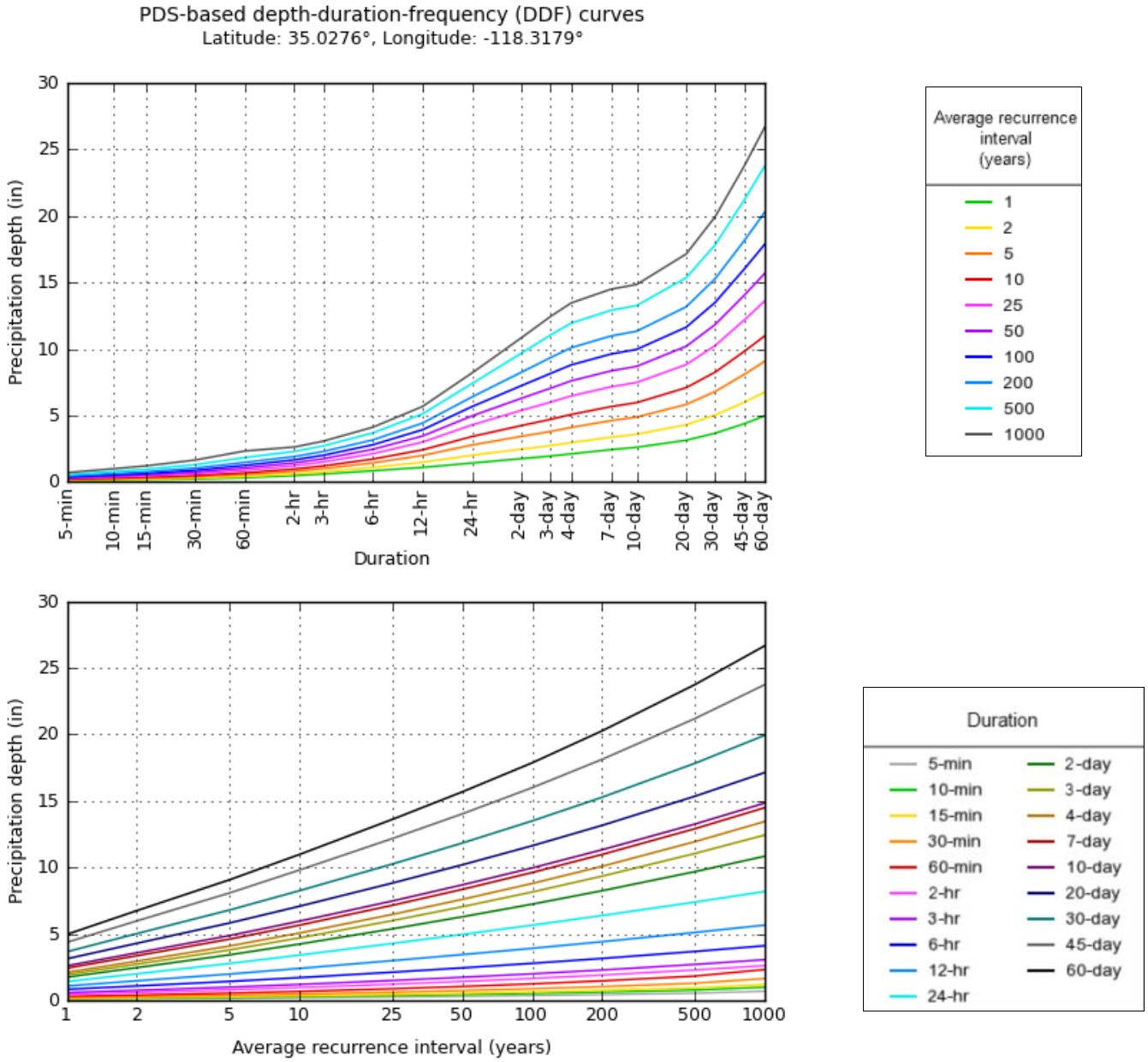
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical



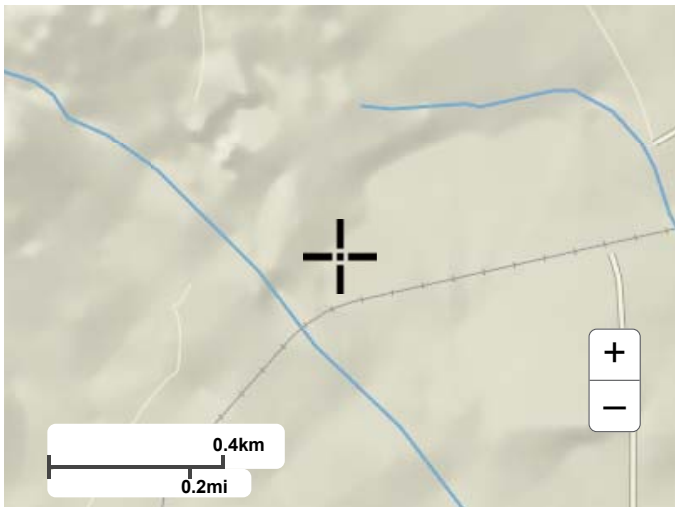
NOAA Atlas 14, Volume 6, Version 2

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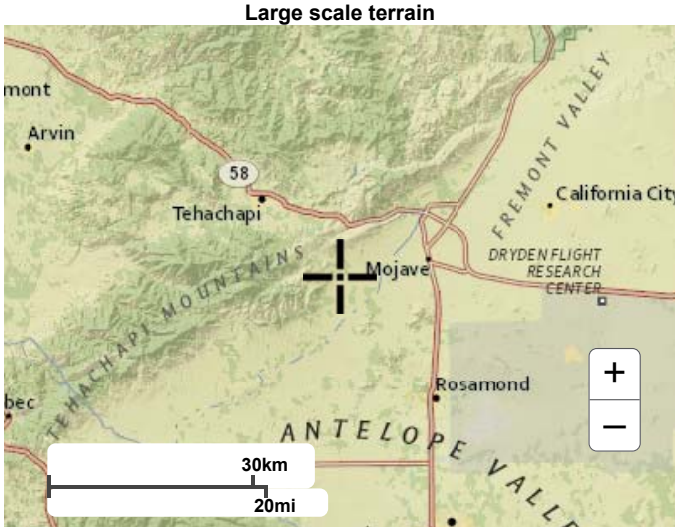
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Maps & aerials

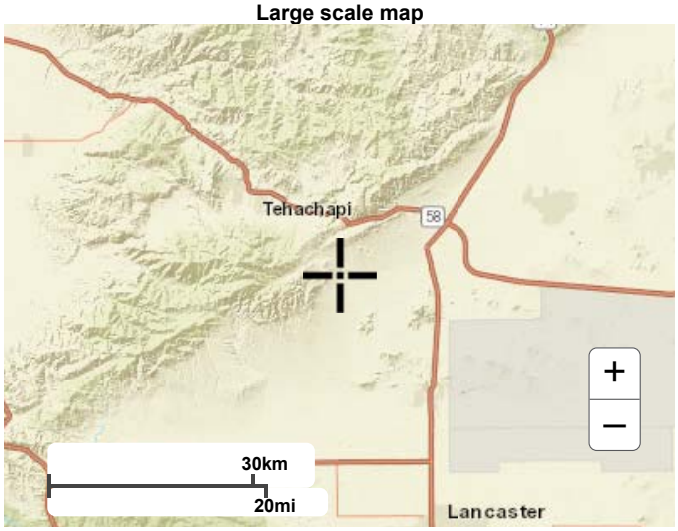
Small scale terrain



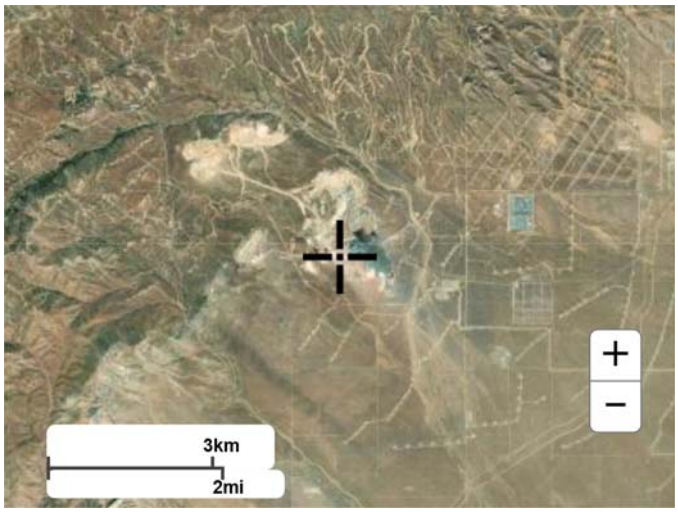
Large scale terrain



Large scale map



Large scale aerial



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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

Disclaimer

Appendix 2

FEMA Flood Insurance Rate Map

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole–foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 11. The **horizontal datum** was NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum.** For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC–3, #9202
1315 East–West Highway
Silver Spring, MD 20910–3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713–3242,** or visit its website at http://www.ngs.noaa.gov/.

Base map information shown on this FIRM was derived from USDA –Farm Service Agency –Aerial Photography Field Office dated 2005 and from U.S. Geological Survey Digital Orthophoto Quadrangles produced at a scale of 1:12,000 from photography dated 1992 or later.

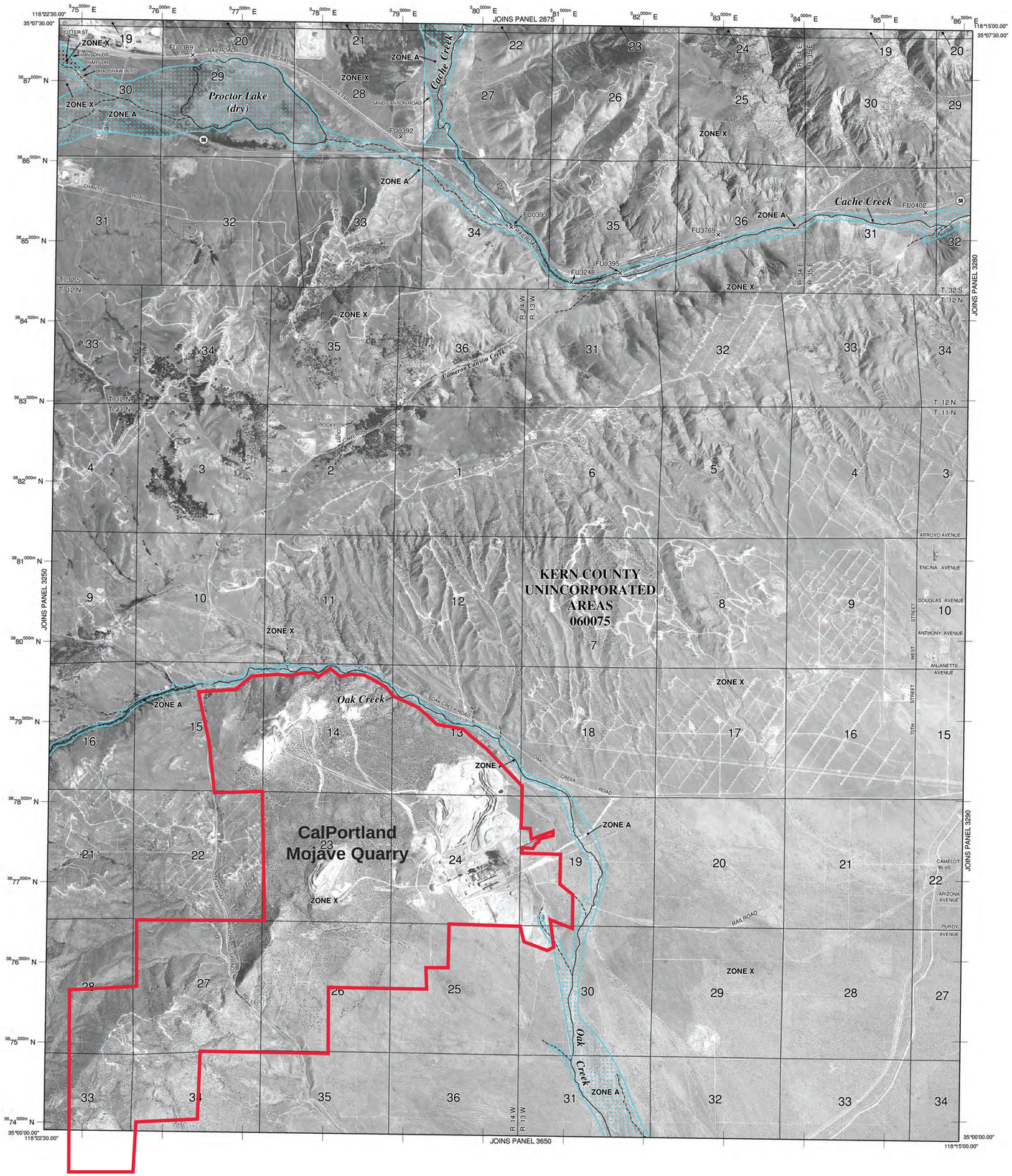
This map reflects more detailed and up–to–date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de–annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **FEMA Map Service Center** at 1–800–358–9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, *a Flood Insurance Study report,* and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1–800–358–9620 and its website at http://www.msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1–877–FEMA MAP** (1–877–336–2627) or visit the FEMA website at http://www.fema.gov/.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.

ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- 513 — Base Flood Elevation line and value; elevation in feet*
- (EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

- A — A — Cross section line
- 23 — 23 — Transect line
- 97°07'30", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
- 4275000mN — 1000-meter Universal Transverse Mercator grid ticks, zone 11
- 6000000 M — 5000-foot grid ticks: California State Plane coordinate system, V zone (FIPSZONE 0405), Lambert Conformal Conic
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- M1.5 — River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE
FLOOD INSURANCE RATE MAP
September 26, 2008
EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1–800–638–6620.

MAP SCALE 1" = 2000'
1000 0 2000 4000 FEET
600 0 600 1200 METERS

NFIP
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 3275E

FIRM
FLOOD INSURANCE RATE MAP
KERN COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 3275 OF 4125
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
KERN COUNTY	060075	3275	E

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06029C3275E

EFFECTIVE DATE
SEPTEMBER 26, 2008

Federal Emergency Management Agency

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Appendix J

Noise Analysis Memorandum
CalPortland Company, Proposed Mojave Mine
Reclamation Plan Amendment

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SESPE
CONSULTING, INC.
A Trinity Consultants Company
374 Poli Street, Suite 200 • Ventura, CA 93001
Office (805) 275-1515 • Fax (805) 667-8104

November 24, 2025

Attn: Ms. Alison Everhart
CalPortland, Cement Division
2025 E. Financial Way
Glendora, California 91741-4692

Subject: **Noise Analysis Memorandum – CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment**

This technical memorandum was prepared by Sespe Consulting, Inc. ("Sespe") on behalf of CalPortland Company ("CalPortland") to identify and analyze potential noise and vibration effects associated with the proposed amendment to CalPortland's Reclamation Plan. CalPortland operates a vested limestone mining and processing operation, along with a cement manufacturing facility in unincorporated Kern County, California ("Facility"). As part of the Facility's entitlements, CalPortland has a Reclamation Plan that was approved in 1979, which describes the reclamation activities and performance standards for the site. CalPortland is proposing to amend the existing Reclamation Plan to cover mined lands associated with limestone reserves that are presently outside of the Reclamation Plan boundary, but within the vested mining area (the "Project").

PROJECT DESCRIPTION

The Project seeks to amend the current 1979 Reclamation Plan for CalPortland's Facility (the "Reclamation Plan Amendment"). Specifically, the Project would amend the 1979 Reclamation Plan to include reclamation of limestone reserves located outside the currently approved 1979 Reclamation Plan boundaries, but within the Facilities recognized vested area, as determined by Kern County. As required by the Surface Mining and Reclamation Act (SMARA), the Reclamation Plan Amendment would also update the reclamation standards applicable to the Facility to SMARA's current, modern requirements. These current reclamation requirements are set out in SMARA Section 2772.1 and Articles 1 and 9 of the SMARA Regulations (codified at Section 3500 et seq. of title 14 of the California Code of Regulations).

The Project does not propose any change to CalPortland's existing production levels, mining systems or processes, or ultimate throughput from CalPortland's cement production facility. Specifically, the Project does not include the continuation of ongoing mining activities across the vested Facility, but only includes reclamation activities within the Project boundary as described in the Reclamation Plan Amendment. The Reclamation Plan Amendment is necessary to allow CalPortland to complete reclamation of mineral recovery activities across the full extent of the vested Facility. Accordingly, this memorandum does not assess noise and vibration levels associated with these vested and continuing mining activities, such as drilling, blasting, material recovery, material movement, processing, cement production, and material transport for sale. Rather, this noise analysis evaluates the Project's impacts with respect to performing the reclamation activities identified in the Reclamation Plan Amendment over the vested area, which includes recontouring, stabilizing, revegetation, and monitoring of final slopes and disturbed mining areas reclamation of roads and ancillary equipment and facilities; and removal of the processing and cement

plants.

Amendment of the 1979 Reclamation Plan to address reclamation across the vested Facility and to meet SMARA's current reclamation standards is the "Project" described and analyzed in this memorandum. Because the Facility is vested, the Project does not require a discretionary use permit to authorize recovery of the minerals themselves; however, approval of the Reclamation Plan Amendment by the County is a discretionary action, and is therefore subject to the California Environmental Quality Act (CEQA).

Pursuant to CEQA, this memorandum quantifies the results of background ambient noise monitoring and assesses potential noise and vibration impacts on nearby sensitive receptors associated with the proposed Project. Project impacts are quantified and compared to applicable noise and vibration standards, and control measures are recommended for receptors where impacts were found to be in conflict with applicable regulatory criteria.

EXISTING SETTING

Project Vicinity

The Project is located approximately 9.0 miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in unincorporated Kern County, California. The environment surrounding the Project site is primarily comprised of barren and undeveloped desert land, with few structures or built-out land uses. Oak Creek Road, which connects the Facility entrance, runs east-west along the site's northern boundary, and Tehachapi Willow Springs Road bisects the Project site and also runs north-south along a portion of the Project site's western boundary. The surrounding land uses consist of open space, renewable energy generation (i.e., wind farms), and other mining and industrial uses. Other than large wind turbines and associated infrastructure, there are few existing structures or developed land uses in the areas immediately adjacent to the Project site. Please see Figures 1 and 2, which display the Project site and regional setting.

Local Noise Environment

The existing ambient noise environment is consistent with that of typical semi-rural areas of Kern County. Existing noise sources near the Project site receptors include equipment noise from CalPortland's existing vested operations, traffic noise from nearby roadways, noise from nearby wind turbines, and natural sounds (wind, plants rustling, birds/insects, etc.). Periods of extremely high winds are also typical of the region, and were present during portions of the noise monitoring period described below.

Per the Kern County General Plan (Kern County, 2009), noise sensitive receptors are defined as "residential areas, schools, convalescent and acute care hospitals, parks and recreation areas, and churches." For this analysis, the closest relevant sensitive noise receptor in each direction from the Project Site was selected, as baseline measurements and estimate Project noise levels determined at these closest receptors conservatively account for other potentially affected receptors located farther from the Project noise sources. The locations of the baseline noise measurement locations and the corresponding Project site receptors are shown on Figure 2. In total, noise and vibration impacts were assessed at seven (7) sensitive receptors in the vicinity of the Project site. The Project sensitive receptors and associated baseline noise monitoring locations considered in this memorandum are described in Table 1 and Table 2 below, respectively.

Table 1 – Project Receptors Analyzed

Receptor	Distance to Nearest Reclamation Area (feet)	Description
1	5,400	Residence located south of the Project site, at the end of a dirt road to the west of Tehachapi Willow Springs Road.
2	5,500	Residence located northwest of the Project site, adjacent to Tehachapi Willow Springs Road.
3	6,450	Residence located north of the Project site, adjacent to Cameron Canyon Road.
4	17,650	Residence located northeast of the Project site, adjacent to Rolling Hills Road.
5	32,000	Group of residences east of the Project site, adjacent to Rutan Road.
6	31,700	Residence located east of the Project site, near the corner of Balboa Avenue and W. 57th Street.
7	7,400	Residence/commercial facility located south of the Project site, west of Tehachapi Willow Springs Road.

See Figure 2 (Attachment 1) which shows the receptor locations described above.

To quantify the existing ambient (i.e., baseline) noise environment experienced by receptors closest to the Project site, noise measurement were collected at four (4) locations surrounding the Project site on May 19th and 20th, 2021 (Figure 2). The noise measurements were recorded using two (2) Quest DL SoundPro, Type 2 noise meters, programmed in "slow" mode, in "A" weighted form, and logging every minute. The microphones were equipped with a windscreen during measurements, and noise meters were calibrated using two (2) Quest QC-10 calibrators prior to, and following each, measurement taken. The results of the measurements are summarized in Table 2. Also see Attachment 2 for additional detail.

Table 2 – Ambient Noise Monitoring Results

Monitoring Location	Hourly Average Noise (L_{eq})	Day-Night Average (L_{dn})
#1	61.2	67.0
#2	60.3	72.1
#3	57.9	71.5
#4	57.7	65.8

A – Baseline L_{eq} and L_{dn} noise levels were determined by the noise measurement data collected Sespe in 2021. Please see Attachment 2 for additional detail.

Local Vibration Environment

The existing ambient vibration environment in the immediate Project vicinity is extremely low, as would be expected in typical rural environments with no appreciable sources of local vibration. During field visits, typical vested mining operations (e.g., drilling, blasting, material recovery, movement, and processing) were actively occurring at the Project site. These activities generate some vibration; however, Sespe staff could not detect any appreciable groundborne vibrations resulting from CalPortland's existing operations. Background vibration levels around the Project perimeter are less than the threshold of perception.

APPLICABLE REGULATIONS

CEQA

Although the CEQA guidelines do not present specific standards, they include guidelines for assessing a project's noise and vibration impacts. According to Appendix G, Environmental Checklist, of the CEQA Guidelines, noise impacts resulting from the implementation of the Project would be considered significant if the Project would cause:

a) *Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.*

b) *Generation of excessive groundborne vibration or groundborne noise levels.*

c) *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels.*

Noise Criteria

Kern County General Plan: The Kern County General Plan (Kern County, 2009), Noise Element (Section 3.0) has a number of policies related to noise. As described above, the General Plan defines "*noise sensitive land uses*" as "*residential areas, schools, convalescent and acute care hospitals, parks and recreation areas, and churches*". General Plan noise policies applicable to the Project are listed below.

Section 3.2 – Noise Sensitive Areas

Goals

1) Ensure that residents of Kern County are protected from excessive noise and that moderate levels of noise are maintained.

Policies

1) Review discretionary industrial, commercial, or other noise-generating land use projects for compatibility with nearby noise-sensitive land uses.
2) Require noise level criteria applied to all categories of land uses to be consistent with the recommendations of the California Division of Occupational Safety and Health (DOSH).
3) Encourage vegetation and landscaping along roadways and adjacent to other noise sources in order to increase absorption of noise.
4) Utilize good land use planning principles to reduce conflicts related to noise emissions.
7) Employ the best available methods of noise control.

Implementation Measures

A) Utilize zoning regulations to assist in achieving noise-compatible land use patterns.
C) Review discretionary development plans, programs and proposals, including those initiated by both the public and private sectors, to ascertain and ensure their conformance to the policies outlined in this element.
E) Review discretionary development plans to ensure compatibility with adopted Airport Land Use Compatibility Plans.
F) Require proposed commercial and industrial uses or operations to be designed or arranged so that they will not subject residential or other noise sensitive land uses to exterior noise levels in excess of 65 dB L_{dn} and interior noise levels in excess of 45 dB L_{dn}.

G) At the time of any discretionary approval, such as a request for a General Plan Amendment, zone change or subdivision, the developer may be required to submit an acoustical report indicating the means by which the developer proposes to comply with the noise standards. The acoustical report shall:
   a. Be the responsibility of the applicant.
   b. Be prepared by a qualified acoustical consultant experienced in the fields of environmental noise assessment and architectural acoustics.
   c. Be subject to the review and approval of the Kern County Planning Department and the Environmental Health Services Department. All recommendations therein shall be complied with prior to final approval of the project.

I) Noise analyses shall include recommended mitigation, if required, and shall:
   a. Include representative noise level measurements with sufficient sampling periods and locations to adequately describe local conditions.
   b. Include estimated noise levels, in terms of CNEL, for existing and projected future (10 – 20 years hence) conditions, with a comparison made to the adopted policies of the Noise Element.
   c. Include recommendations for appropriate mitigation to achieve compliance with the adopted policies and standards of the Noise Element.
   d. Include estimates of noise exposure after the prescribed mitigation measures have been implemented. If compliance with the adopted standards and policies of the Noise Element will not be achieved, a rationale for acceptance of the project must be provided.

J) Develop implementation procedures to ensure that requirements imposed pursuant to the findings of an acoustical analysis are conducted as part of the project permitting process.

Per the Kern County General Plan, if an industrial use or operation were to generate noise in excess of 65 dB L_{dn} at the exterior or 45 dB L_{dn} within the interior of a residential or other noise sensitive land use, then the proposed project would be in conflict with the County noise standards. However, as shown in Table 2 above, the existing ambient noise levels measured in the vicinity of the Project site already exceed the 65 dB L_{dn} exterior standard. Because ambient noise levels in the Project vicinity already exceed the applicable threshold, it would be impossible for the Project to result in noise levels less than 65 dB L_{dn}, even if the Project were silent. For this reason, the Federal Interagency Commission on Noise (FICON) change criterion described below is utilized to determine the significance of Project noise impacts.

Project-Related Noise Level Increases: In addition to CEQA requiring identification of significant noise impacts if locally-adopted noise standards are exceeded, it also requires identification of significant noise impacts if the project would result in a substantial increase in noise levels above levels present without the project. The CEQA guidelines do not, however, identify numeric thresholds for the level of noise increase considered to be “substantial”.

FICON has developed a graduated scale for use in the assessment of Project-related noise level increases. Table 3 was developed by FICON as a means of developing threshold criteria for Project-related noise level increases. The rationale for the graduated scale is that test subject’s reactions to increases in noise levels varied depending on the starting level of the noise.

Table 3 – Significance of Changes in Cumulative Noise Exposure

Ambient Noise Level (No Project), dBA L_{dn}	Increase Required for Finding of Significance, dBA
< 60 dBA	+5 dBA or more
60 – 65 dBA	+3 dBA or more
> 65 dBA	+1.5 dBA or more

Source: Federal Interagency Committee on Noise (FICON), 1992.

Based on the FICON research, where pre-Project ambient noise levels are less than 60 dBA L_{dn}, a +5 dBA or greater increase in noise levels would be considered a significant impact. Where pre-Project ambient conditions are between 60 and 65 dBA L_{dn}, a +3 dBA increase in noise levels due to a Project is required for a finding of significant impact. Finally, in areas already exposed to higher noise levels, specifically pre-Project noise levels in excess of 65 dBA L_{dn}, a +1.5 dB increase is considered by FICON as the threshold criteria for determining significance. The FICON change criterion is utilized in this memorandum to determine the significance of Project noise impacts.

Although not utilized for significance determination, the subjective reactions to change in noise levels shown in Table 4 are commonly used to identify expected public reaction to changes in environmental noise levels. Table 4 was developed on the basis of test subjects' reaction to changes in the levels of steady-state pure tones or broad-band noise and to changes in levels of a given noise source (i.e., reclamation equipment). These changes in environmental noise level are most applicable to noise levels in the range of 50 dB to 70 dB, which is the usual range of voice and interior noise levels.

Table 4 – Subjective Reaction to Changes in Noise Levels of Similar Sources

Change in Level (dBA)	Factor Change in Acoustical Energy	Subjective Reaction
+1	1.3	Imperceptible (Except for Tones)
+3	2.0	Just Barely Perceptible
+6	4.0	Clearly Noticeable
+10	10.0	About Twice (or half) as Loud

Source: Fundamentals of Noise and Vibration Analysis for Engineers, 2nd Edition (Norton & Karczub, 2003).

Vibration

California Department of Transportation: Kern County does not have any specific ordinances, policies, criteria or restriction related to groundborne vibration. However, the California Department of Transportation (Caltrans) has developed a set of criteria to assess the potential impacts caused by vibration-generating activities. Table 5 outlines threshold criteria for Project-related vibration impacts on nearby human populations, based on test subjects' responses to transient vibrations in terms of peak particle velocity (PPV) in units of inches per second (in/sec). These criteria form the basis of the groundborne vibration impact analysis discussed below.

Table 5 – Human Responses to Transient Vibration

PPV (inches/second)	Human Response
2.0	Severe
0.9	Strongly perceptible
0.24	Distinctly perceptible
0.035	Barely perceptible

Source: Transportation and Construction Vibration Guidance Manual (Caltrans, 2020).

PROJECT NOISE SOURCES

As discussed above, the Project under review is the Reclamation Plan Amendment necessary to allow CalPortland to complete reclamation of mineral recovery activities across the full extent of the vested Facility in accordance with SMARA. Because CalPortland's existing mining and processing operations are vested, noise and vibration impacts associated with these existing and ongoing operations are not considered within this analysis. Therefore, the Project considered and analyzed in this memorandum is an amendment to the Reclamation Plan, whereby the net change is that additional mined lands would be reclaimed and revegetated once operations cease.

Reclamation of the Project site would require the operation of mobile equipment and employee vehicles throughout the Project reclamation areas to facilitate revegetation efforts and ensure the vested site is reclaimed pursuant to SMARA. Specifically, as part of reclamation, off-road mobile equipment (e.g., loaders, dozers, scrapers, etc.) would be used re-contour/regrade slopes, remove residual equipment/structures, and revegetate the site via hydroseeding. Employee work trucks and water trucks would also travel throughout the site to transport employees and supplies, and to apply water for dust control purposes. Although reclamation of the Project site is estimated to occur approximately 12 hours per day, between the hours of 6:00 a.m. (or dawn if later) and 6:00 p.m. (or sundown if earlier), conservatively this analysis assumed Project reclamation activities could occur continuously up to 24-hours in a given day.

To estimate the noise generated by the Project noise sources (i.e., reclamation equipment), average (L_{eq}) and maximum sound pressure level (L_{max}) reference data was gathered from the Federal Highway Administration's (FHWA) *Roadway Construction Noise Model User Guide* (Federal Highway Administration, 2006). Usage fraction (%) and maximum sound pressure level (L_{max}) noise data shown are FHWA default values. Source noise calculations in Attachment 3 provide additional detail.

Although much of the onsite reclamation activities are expected to occur below-grade within the excavation pits and/or behind topography/stockpiles that would shield Project noise from nearby receptors, conservatively it is assumed that the mobile equipment presented in Table 6 below would all operate simultaneously, at-grade in the onsite locations in closest proximity to each receptor (Figure 2, Attachment 1).

Table 6 – Reclamation-Equipment List/Reference Noise Data

Noise Source	L_{max} @ 50-feet (dBA)	Usage (%)	L_{eq} @ 50-feet (dBA)
Water Truck [A]	84	40%	80
Water Truck [A]	84	40%	80
Scraper	85	40%	81
Dozer	85	40%	81
Dozer	85	40%	81
Backhoe	80	40%	76
Excavator	85	40%	81
Grader	85	40%	81
Front End Loader	80	40%	76
Total Equipment Noise Level @ 50-feet (dBA)			**89.6**

Source: Federal Highway Administration's Roadway Construction Noise Model (Federal Highway Administration, 2006).
A – The FHWA's default values for a "flatbed truck" was utilized to represent the water trucks.

According to information provided by CalPortland, the Project would require up to 27 employees traveling to and from the Project site each day to conduct onsite reclamation, for a period of approximately two years. In addition to employee vehicle trips, other larger heavy-duty trucks would also travel to and from the site during reclamation, primarily to transport waste/recyclables (including the material which comprises the cement plant) to appropriate facilities for disposal/recycling. While vehicles and trucks would travekl to and from the site each day during Project reclamation, the number of trips would be a small portion of the existing employee trips associated with the vested mining operations. Because vehicle trips would not change or increase beyond the baseline conditions, transportation noise associated with the Project was sufficiently captured in the ambient/baseline noise levels (see Table 2), which have then been added to the Project equipment noise to conservatively estimate project noise levels at each receptor. Additionally, the proposed reclamation activities would utilize the existing mobile earth-moving equipment located onsite, and mobile reclamation equipment would not need to operate on public roadways. For these reasons, analysis of offsite transportation noise and vibration analysis is not warranted for the Project, and therefore the evaluation here focuses on the potential noise and vibration impacts associated with onsite reclamation equipment use.

CEQA IMPACT ANALYSIS

CEQA Appendix G Checklist – Criteria (a): *Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

To address the CEQA Criteria a), the FICON change criterion discussed above and presented in Table 3 was utilized. Table 7 below shows the predicted increase in noise level experienced at each receptor during Project reclamation activities. This change is compared to the appropriate FICON change criterion present in Table 3 to determine significance.

Table 7 – Project Noise Level Increases & Significance Determination

Receptor	Ambient Noise Level (L_{dn}) [A]	Total Project Noise Level (L_{dn})	Change (dBA) [B]	FICON Significance Threshold [C]	Significant?	Subjective Reaction [D]
1	65.8	66.2	0.373	+1.5	No	Imperceptible
2	65.8	66.2	0.360	+1.5	No	Imperceptible
3	67.0	67.2	0.202	+1.5	No	Imperceptible
4	67.0	67.0	0.028	+1.5	No	Imperceptible
5	72.1	72.1	0.003	+1.5	No	Imperceptible
6	71.5	71.5	0.003	+1.5	No	Imperceptible
7	65.8	66.0	0.203	+1.5	No	Imperceptible

A – See Table 2 for the ambient noise levels at each receptor.
B – Values shown represent the dBA increase in noise experienced at each receptor resulting from Project noise sources (i.e., mobile equipment) operating onsite during reclamation.
C – Please see Table 3 for more details regarding the appropriate FICON change criterion utilized to determine the significance of Project-related noise level increases at each receptor.
D – See Table 4 for subjective reactions to changes in noise levels. The subjective reactions shown are for informational purposes only, and are not utilized to determine the significance of Project impacts.

As shown in Table 7 above, Project activities would not increase noise levels above the applicable FICON change criterion at any receptor. Due to the large distance between Project noise sources (i.e., reclamation equipment) and the closest Project receptors, noise generate by onsite reclamation activities would be "imperceptible" at nearby residences. Therefore, the Project would not result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the Project.

It is also important to note this analysis was designed to conservatively overestimate worst-case Project noise impacts at nearby receptors. In reality, when taking into account the shielding or absorption effects from intervening topography/vegetation, and the fact that equipment/vehicles would not operate simultaneously near the outermost Project site boundary within direct line-of-sight of affected receptors (as was assumed in this analysis), noise levels are expected to be less than those calculated within this analysis.

CEQA Appendix G Checklist – Criteria (b): *Would the project result in generation of excessive groundborne vibration or groundborne noise levels?*

The Federal Transit Administration's (FTA) Transit Noise and Vibration Impact Assessment Manual (Federal Transit Administration, 2018) and Caltrans's Transportation and Construction Vibration Guidance Manual (Caltrans, 2020) documents provide guidelines for assessing vibration impacts resulting from construction activities. Table 8 below lists vibration source levels for common types of construction equipment, in terms of peak particle velocity (PPV) in units of inches per second at a distance of 25-feet.

Table 8 – Vibration Source Level for Project Sources

Equipment	PPV (in/sec) @ 25-feet away
Vibratory Roller	0.210
Large bulldozer	0.089
Caisson drilling	0.089
Loaded trucks	0.076

Equipment	PPV (in/sec) @ 25-feet away
Jackhammer	0.035
Small bulldozer	0.003
Vibratory Roller	0.210

Source: Transportation and Construction Vibration Guidance Manual (Caltrans, 2020), Transit Noise and Vibration Impact Assessment Manual (Federal Transit Administration, 2018).

To assess Project vibration impacts at each receptor location, the reference PPV value of 0.089 inches per second (i.e., large bulldozer) is utilized. It is assumed that nothing larger or more powerful than a large bulldozer would operate at the Project site during reclamation. The distance shown represents the measured distance from the closest boundary of the Project area to the nearest property boundary of each receptor (Figure 2). Using this information, Table 9 summarizes the predicted groundborne vibration impacts resulting from the Project. Significance was determined by comparing the predicted change in groundborne vibration to the applicable Caltrans vibration threshold outlined above.

Table 9 – Predicted Project Vibration Levels at Receptors

Receptors	Distance (feet)	Predicted Vibration – PPV (in/sec) [A]	Applicable Caltrans Significance Threshold – PPV (in/sec)	Significant?
1	5,400	0.00024	≥ 0.24	No
2	5,500	0.00024	≥ 0.24	No
3	6,450	0.00020	≥ 0.24	No
4	17,650	0.00007	≥ 0.24	No
5	32,000	0.00003	≥ 0.24	No
6	31,700	0.00003	≥ 0.24	No
7	7,400	0.00017	≥ 0.24	No

Note: See Attachment 3 for more detail.
A – The Project vibration levels shown above are considered "barely perceptible" per Caltrans guidance (Caltrans, 2020).

As shown in Table 9 above, predicted vibration impacts to nearby receptors were well below the applicable Caltrans significance threshold of 0.24 PPV in/sec. Additionally, predicted vibration impacts at nearby receptors are far below the "barely perceptible" level per the Caltrans criteria (see Table 5) for human response to groundbourne vibration (i.e., ≤ 0.035 PPV in/sec). Therefore, groundborne vibration impacts to nearby receptors resulting from the Project are not significant.

CEQA Appendix G Checklist – Criteria (c): *For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?*

The proposed Project site is not located within 2.0 miles of any private or public airports or airstrips, or in an area governed by an airport land use plan. Additionally, the Project site is not located within the boundaries of a comprehensive airport land use planning area per the current Kern County Airport Land Use Compatibility Plan (Kern County, 2012). The closest airport/airstrip is the Tehachapi Municipal Airport, located approximately 7.4 miles northwest of the Project site. Furthermore, the Project does not involve creation of a new noise-sensitive land uses (i.e., residences). Therefore, the Project would have

no impact related to airport/airstrip noise levels.

CONCLUSION

As discussed above, the proposed Project would not have an impact in terms of noise and vibration impacts with no mitigation measures required. Please call John Hecht or me at (805) 275-1515 if you have any questions or if you need additional information.

Respectfully submitted,



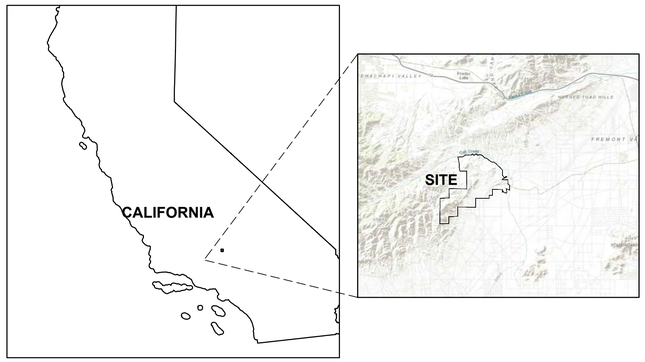
Graham Stephens
Sespe Consulting, Inc.

ATTACHMENTS

1. Figures
2. Ambient Noise Summary & Receptor Criteria/Thresholds
3. Noise & Vibration Impact Calculations

ATTACHMENT 1

Figures



INDEX MAP

CALPORTLAND MOJAVE MINE

CUP 2, MAP 197 & CUP 5, MAP 198
CALIFORNIA MINE ID 91-15-0032

PROPOSED USE:	EXISTING AGGREGATE MINE AND PERMITTED PROCESSING FACILITIES
APPLICANT: OPERATOR: FEE LAND OWNER:	CALPORTLAND COMPANY 2025 EAST FINANCIAL WAY GLENDORA, CALIFORNIA 91741
PROJECT ADDRESS:	9350 OAK CREEK ROAD MOJAVE, CALIFORNIA 93501
PLAN DESIGN:	CALPORTLAND COMPANY 2025 EAST FINANCIAL WAY GLENDORA, CALIFORNIA 91741
MAP PREPARER:	SESPE CONSULTING, INC. 374 POLI STREET, SUITE 200 VENTURA , CALIFORNIA 93001
LEAD AGENCY:	COUNTY OF KERN PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT 2700 M STREET, #100 BAKERSFIELD, CALIFORNIA 93301

GEOLOGIC DESCRIPTION

KNOWLEDGE OF THE SITE'S GENERAL GEOLOGIC CONDITIONS IS BASED MAINLY ON DIBBLEE (1963) AND THE GEOLOGIC MAP OF THE TEHACHAPI QUADRANGLE (DIBBLEE AND LOUKE 1970).

CRYSTALLINE ROCKS OF PRE-TERTIARY AGE AT THE SITE ARE COMPOSED OF PLUTONIC IGNEOUS ROCKS AND METAMORPHIC ROCKS THAT TOGETHER FORM THE CRYSTALLINE BASEMENT. METAMORPHIC ROCKS OCCUR AS ISOLATED PENDANTS WITHIN THE GRANITIC ROCKS. THE BEAN CANYON FORMATION OCCURS WITHIN THE GRANITIC ROCKS IN THE SOUTHERN FOOTHILLS OF THE TEHACHAPI MOUNTAINS AS ISOLATED PENDANTS THAT ARE ELONGATED NORTHEAST PARALLEL TO THE MOUNTAIN FRONT. IN THE LARGEST PENDANT, THE BEAN CANYON FORMATION IS REPORTEDLY 5,000 FEET THICK. THE BEAN CANYON FORMATION CONSISTS OF MARBLE, SCHIST, AND MINOR HORNFELS. THE PLUTONIC ROCKS ARE LIKELY MESOZOIC TO CRETACEOUS IN AGE, RANGING IN COMPOSITION FROM HORNBLENDE DIORITE TO GRANITE, BUT ARE PREDOMINANTLY QUARTZ MONZONITE.

DIBBLEE (1963) NOTES THAT THE SCHIST UNIT IS GENERALLY NOT A SCHIST IN THE STRICT SENSE BUT APPROACHES PHYLLITE OR EVEN ARGILLITE IN CHARACTER. THE SCHIST IS FINE-GRAINED AND CHARACTERIZED BY FAINT TO CONSPICUOUS BEDDING EXPRESSED BY COLOR CHANGES AND PLATY CLEAVAGE OR FOLIATION PARALLEL TO BEDDING.

THE MARBLE UNITS OF THE BEAN CANYON FORMATION ARE LIMESTONE RECRYSTALLIZED TO MARBLE, COMPOSED OF CARBONATE AND LOCALLY DOLOMITE. THE GRAIN SIZES RANGE FROM 1 MILLIMETER (MM) TO MORE THAN 5 MM AND ARE FREQUENTLY INTERCALATED FINE- AND COARSE-GRAINED MARBLE. THE LIMESTONE IS PARTICULARLY COARSE NEAR GRANITIC CONTACTS. THE MARBLE OCCURS AS STRATA OF VARYING THICKNESS UP TO APPROXIMATELY 1,200 FT BUT GENERALLY CONSIDERABLY THINNER. THIN LAYERS OF LIMESILICATE HORNFELS ARE ASSOCIATED WITH THE MARBLE NEAR THE INTRUSIVE CONTACTS.

THE CONTACTS OF THE ROOF PENDANT METAMORPHIC ROCKS WITH THE QUARTZ MONZONITE ARE GENERALLY SHARP AND ARE COMMONLY STEEPLY DIPPING UNDER THE PENDANTS. THE QUARTZ MONZONITE IS A MEDIUM- TO COARSE-GRAINED GRANITIC ROCK COMPOSED OF APPROXIMATELY EQUAL PERCENTAGES OF QUARTZ, POTASSIUM FELDSPAR, AND PLAGIOCLASE WITH A SMALL PERCENTAGE OF BIOTITE AND HORNBLENDE.

THE STRUCTURAL PATTERN CONSISTS OF NORTHEAST TRENDING OUTCROPS OF THE METAMORPHIC PENDANTS THAT STRIKE PARALLEL TO THE TREND OF THE OUTCROPS AND DIP MODERATELY TO STEEPLY. AT THE EXISTING MAIN PIT, MARBLE OCCURS IN THE NOSE OF AN ANTICLINE WITH THE SCHIST IN THE CORE. THE EXISTING NORTHWEST AND NORTHEAST PITS MINE SEPARATE NORTHEAST STRIKING PENDANTS WITH THE BEDDING AND FOLIATION DIPPING NORTHWEST. THE FUTURE PLANNED PITS ENLARGE THE EXISTING PITS AND MINE THE SOUTHWEST EXTENSION OF THE LIMESTONE/MARBLE PENDANT EXPOSED AT THE MAIN PIT. A GENERALIZED GEOLOGIC MAP PREPARED BY CALPORTLAND (2016) INCLUDES SEVERAL MAPPED FAULTS IN THE EXISTING MAIN PIT.

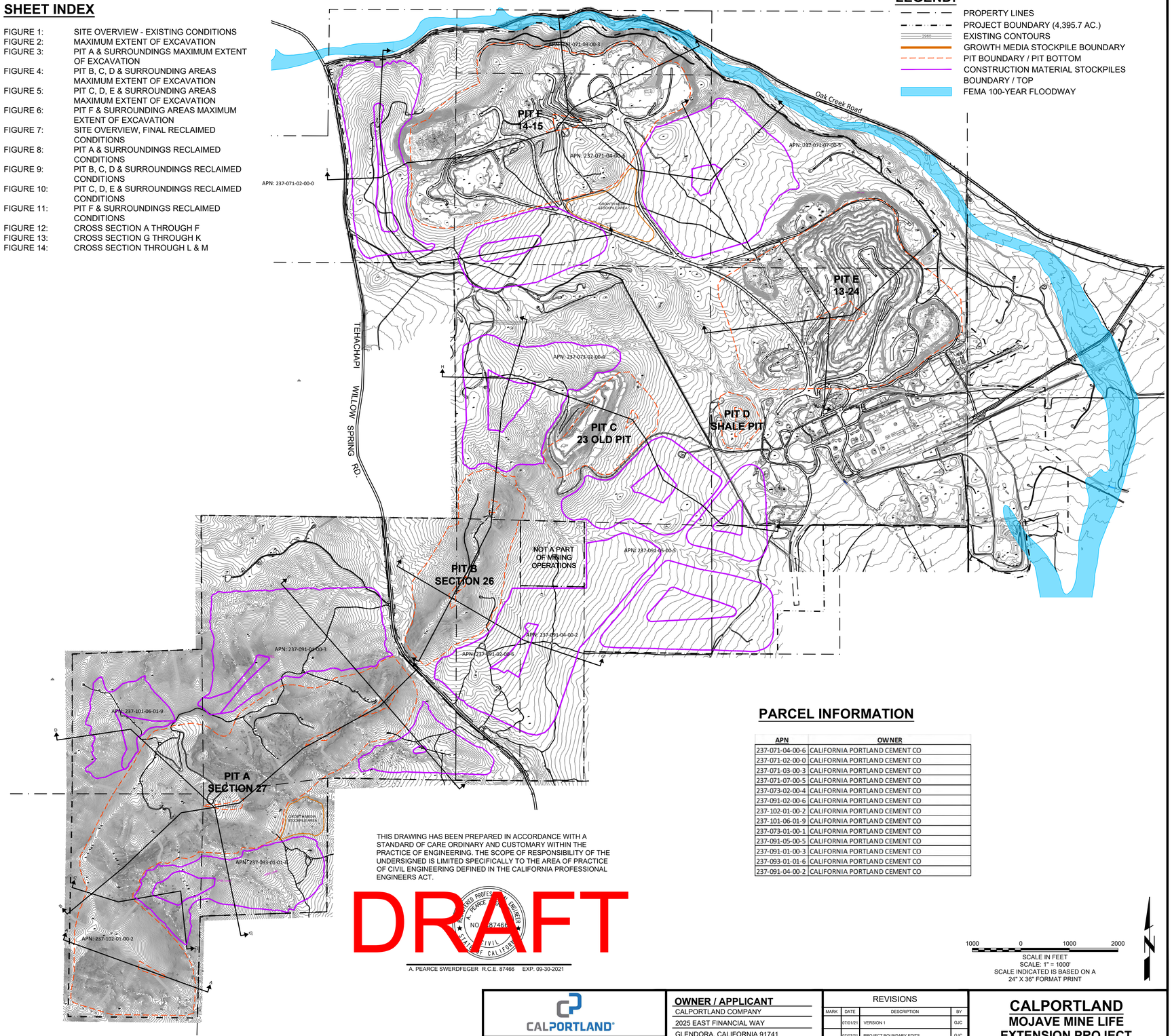
SOURCE: *SLOPE STABILITY ASSESSMENT FOR PROPOSED FINAL PITS AND CONSTRUCTION MATERIAL STOCKPILES*, MOJAVE LIFE OF MINE PROJECT, CALPORTLAND MOJAVE CEMENT PLANT - KERN COUNTY, CALIFORNIA (GOLDER ASSOCIATES INC., AUGUST 2020)

SHEET INDEX

FIGURE 1: SITE OVERVIEW - EXISTING CONDITIONS
FIGURE 2: MAXIMUM EXTENT OF EXCAVATION
FIGURE 3: PIT A & SURROUNDINGS MAXIMUM EXTENT OF EXCAVATION
FIGURE 4: PIT B, C, D & SURROUNDING AREAS MAXIMUM EXTENT OF EXCAVATION
FIGURE 5: PIT C, D, E & SURROUNDING AREAS MAXIMUM EXTENT OF EXCAVATION
FIGURE 6: PIT F & SURROUNDING AREAS MAXIMUM EXTENT OF EXCAVATION
FIGURE 7: SITE OVERVIEW, FINAL RECLAIMED CONDITIONS
FIGURE 8: PIT A & SURROUNDINGS RECLAIMED CONDITIONS
FIGURE 9: PIT B, C, D & SURROUNDINGS RECLAIMED CONDITIONS
FIGURE 10: PIT C, D, E & SURROUNDINGS RECLAIMED CONDITIONS
FIGURE 11: PIT F & SURROUNDINGS RECLAIMED CONDITIONS
FIGURE 12: CROSS SECTION A THROUGH F
FIGURE 13: CROSS SECTION G THROUGH K
FIGURE 14: CROSS SECTION THROUGH L & M

LEGEND:

- PROPERTY LINES
- PROJECT BOUNDARY (4,395.7 AC.)
- EXISTING CONTOURS
- GROWTH MEDIA STOCKPILE BOUNDARY
- PIT BOUNDARY / PIT BOTTOM
- CONSTRUCTION MATERIAL STOCKPILES BOUNDARY / TOP
- FEMA 100-YEAR FLOODWAY



PARCEL INFORMATION

APN	OWNER
237-071-04-00-6	CALIFORNIA PORTLAND CEMENT CO
237-071-02-00-0	CALIFORNIA PORTLAND CEMENT CO
237-071-03-00-3	CALIFORNIA PORTLAND CEMENT CO
237-071-07-00-5	CALIFORNIA PORTLAND CEMENT CO
237-073-02-00-4	CALIFORNIA PORTLAND CEMENT CO
237-091-02-00-6	CALIFORNIA PORTLAND CEMENT CO
237-102-01-00-2	CALIFORNIA PORTLAND CEMENT CO
237-101-06-01-9	CALIFORNIA PORTLAND CEMENT CO
237-073-01-00-1	CALIFORNIA PORTLAND CEMENT CO
237-091-05-00-5	CALIFORNIA PORTLAND CEMENT CO
237-091-01-00-3	CALIFORNIA PORTLAND CEMENT CO
237-093-01-01-6	CALIFORNIA PORTLAND CEMENT CO
237-091-04-00-2	CALIFORNIA PORTLAND CEMENT CO

THIS DRAWING HAS BEEN PREPARED IN ACCORDANCE WITH A STANDARD OF CARE ORDINARY AND CUSTOMARY WITHIN THE PRACTICE OF ENGINEERING. THE SCOPE OF RESPONSIBILITY OF THE UNDERSIGNED IS LIMITED SPECIFICALLY TO THE AREA OF PRACTICE OF CIVIL ENGINEERING DEFINED IN THE CALIFORNIA PROFESSIONAL ENGINEERS ACT.

DRAFT

REGISTERED PROFESSIONAL ENGINEER A. PEARCE SWERDFEGER NO. 87466 CIVIL STATE OF CALIFORNIA

A. PEARCE SWERDFEGER R.C.E. 87466 EXP. 09-30-2021

1000 0 1000 2000
SCALE IN FEET
SCALE: 1" = 1000'
SCALE INDICATED IS BASED ON A 24" X 36" FORMAT PRINT

PROPERTY LINES & TOPOGRAPHY: *CPC MOJAVE ALTA / NSPS SURVEY*, SMITHCO SURVEYING ENGINEERING, SEPTEMBER 2020 (D'ARTAGNAN ALBA, PLS NO. 9052)
CONTOUR INTERVAL: 10 FEET
DATUM: HORZ= NAD27, CALIFORNIA ZONE 5, US FOOT
VERT= NAVD88

CALPORTLAND

SESPE CONSULTING, INC.
A Trinity Consultants Company.
374 Poli Street, Suite 200 • Ventura, CA 93001
(805) 275-1515 • www.sespeconsulting.com

OWNER / APPLICANT
CALPORTLAND COMPANY
2025 EAST FINANCIAL WAY
GLENDORA, CALIFORNIA 91741

LAND USE CONSULTANT
SESPE CONSULTING, INC.
374 POLI STREET, SUITE 200
VENTURA, CALIFORNIA 93001
(805) 275-1515

REVISIONS

MARK	DATE	DESCRIPTION	BY
	07/01/21	VERSION 1	GJC
	07/07/21	PROJECT BOUNDARY EDITS	GJC
	08/06/21	LAYOUTS EDITS	GJC

REVIEWED BY: _____ DATE _____
_____ DATE _____

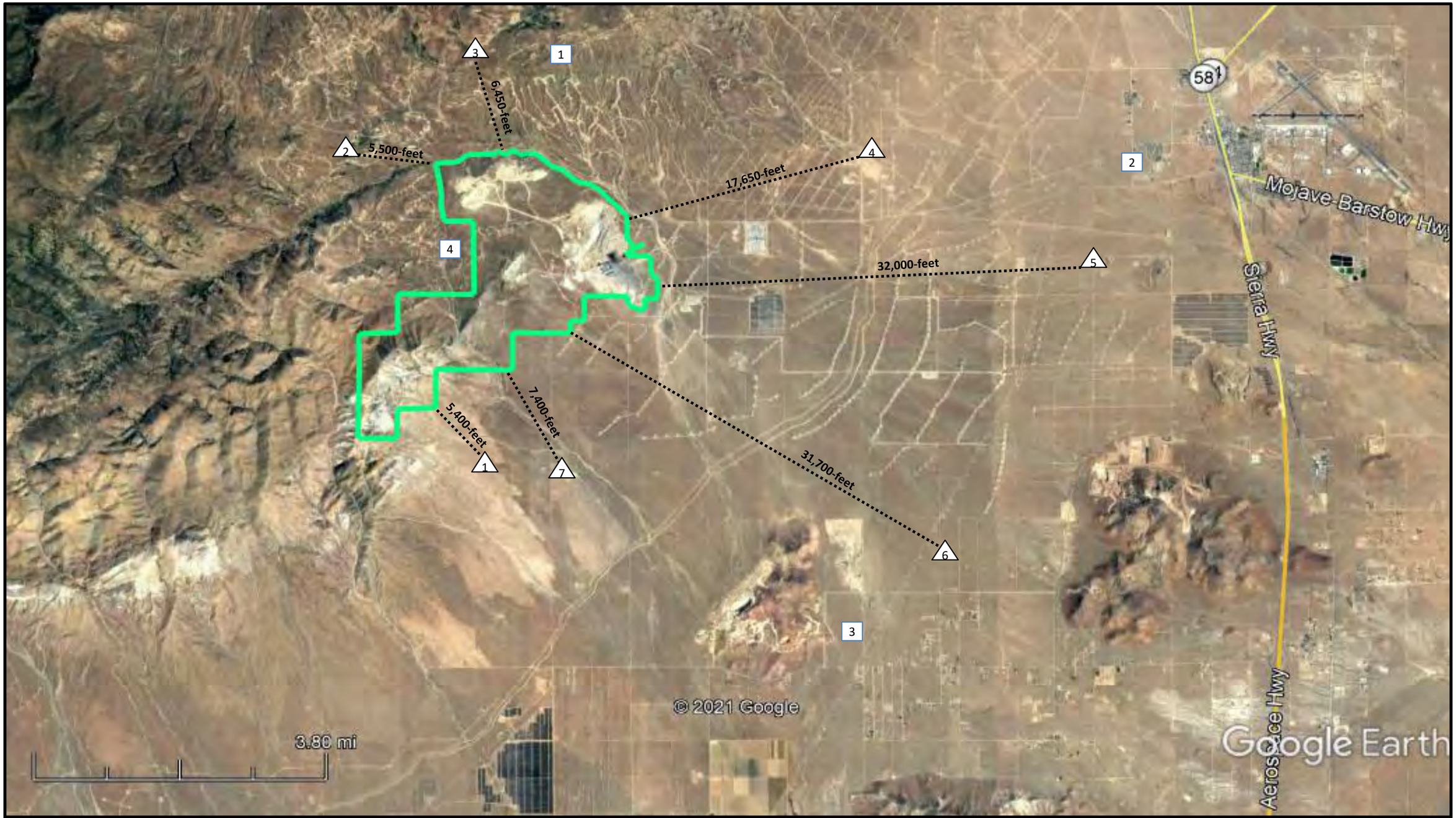
CALPORTLAND
MOJAVE MINE LIFE EXTENSION PROJECT

SITE OVERVIEW
EXISTING CONDITIONS

SCALE: HORIZ. AS SHOWN
VERT. AS SHOWN
DRAWN BY: G.CAMUS
CHECKED BY: APS

FIGURE 1

Plot Date: S:\CA26 – CalPortland Mojave\CAD\2021_Mining\CA26-Mojave-MinePlan_2021-V3.dwg Aug 23, 2021, 7:30am GJC



Source: Google Earth (2021)

Approximate Project/Reclamation Boundaries
Noise Measurement Locations
Nearest Noise-Sensitive Receptors

SESPE CONSULTING, INC.
A Trinity Consultants Company

FIGURE 2

PROJECT SITE SETTING
CalPortland
Mojave Reclamation Plan Amendment
Kern County, California

PROJECT #:	210509.0032	DATE:	8/30/21
SCALE:	See Above	DRAWN BY:	GPS

ATTACHMENT 2

Ambient Noise Summary & Receptor Criteria/Thresholds

Baseline Noise Summary + Applicable Criteria

Baseline Noise Summary (2021)		
Monitoring Location	Daytime - Average Noise (L_{eq}) [A]	Day-Night Average (L_{dn}) [B]
	2021	2021
#1	61.2	67.0
#2	60.3	72.1
#3	57.9	71.5
#4	57.7	65.8

Ambient Noise Levels & Applicable Kern County Noise Criteria (dBA)								
Receptor	Receptor Type	Ambient Noise (L_{dn})			Kern County Criteria (L_{dn}) [D]			
		Associated Monitoring Location	Exterior	Interior [C]	Exterior		Interior	
					Criteria	Adjusted Criteria	Criteria	Adjusted Criteria
1	Residential	#4	65.8	45.8	65	68.8	45	48.8
2	Residential	#4	65.8	45.8	65	68.8	45	48.8
3	Residential	#1	67.0	47.0	65	70	45	50
4	Residential	#1	67.0	47.0	65	70	45	50
5	Residential	#2	72.1	52.1	65	75.1	45	55.1
6	Residential	#3	71.5	51.5	65	74.5	45	54.5
7	Residential	#4	65.8	45.8	65	68.8	45	48.8

Footnotes:

A - Daytime L_{eq} noise levels shown for each monitoring location represent actual noise levels measured during daytime hours (7:00 a.m. - 10:00 p.m.) on 5/19/21 and 5/20/21.

B - Exterior L_{dn} noise levels were estimated by comparing the measured noise levels at the short-duration (15-minute to 1-hour) monitoring locations to the noise level measured at the 24-hour reference location during the same time period. The difference derived from this comparison represents a correction factor, which is then applied to the L_{dn} levels measured at the 24-hour monitoring location (i.e., #4) to estimate the corresponding L_{dn} levels at the remaining monitoring locations (i.e., #1, #2 and #3). Please note, L_{dn} penalties (i.e., +10 for nighttime) were applied as applicable to the ambient noise levels measured at the 24-hour monitoring location

C - Based on the EPA's *Protective Noise Levels* document (March, 1974), an outdoor to indoor attenuation of -20 dBA is assumed. This takes into account the average noise reduction provided while windows are closed (-25 dBA) and while windows are open (-15 dBA). This is a conservatively low estimate of noise attenuation as residents are expected to generally keep windows closed, especially those facing sources of noise. This -20 dBA attenuation is applied to the exterior L_{dn} values to determine interior noise levels.

D - Noise criteria shown represent the applicable Kern County noise significance thresholds, taken from the General Plan and County Ordinances.

2021 Baseline Noise Monitoring Summary

2021 Baseline Summary (Sespe Consulting, Inc.)									
Monitoring Location [B]	Date	Time Start	Time Stop	Duration	Average Noise (L_{eq})		Maximum Noise (L_{max})		Day-Night Average (L_{dn})
					Daytime	Nighttime	Daytime	Nighttime	
#1	5/19/2021	12:23:37 PM	1:23:37 PM	1-Hour	51.8	---	73.2	---	---
	5/20/2021	9:57:30 AM	10:12:30 AM	15-Minutes	60.7	---	71.3	---	---
#2	5/19/2021	4:15:45 PM	5:15:45 PM	1-Hour	47.2	---	65.2	---	---
	5/20/2021	9:28:00 AM	9:43:00 AM	15-Minutes	60.1	---	72.4	---	---
#3	5/19/2021	2:40:58 PM	3:40:58 PM	1-Hour	49.8	---	67.7	---	---
	5/20/2021	10:54:49 AM	11:09:49 AM	15-Minutes	57.2	---	72	---	---
#4	5/19/2021	11:44:00 AM	---	24-Hours	57.7	59.6	75.3	75.1	65.8
	5/20/2021	---	11:44:00 AM						

Day-Night (L_{dn}) Adjustment Factor for Short-Duration Measurements									
Monitoring Location	Date	Time Start	Time Stop	Duration	L_{eq}	24-Hour L_{eq}	Difference	Average Difference [A]	Adjusted Day-Night (L_{dn})
#1	5/19/2021	12:23:37 PM	1:23:37 PM	1-Hour	51.8	55.9	4.1	1.2	67.0
	5/20/2021	9:57:30 AM	10:12:30 AM	15-Minutes	60.7	59.0	-1.7		
#2	5/19/2021	4:15:45 PM	5:15:45 PM	1-Hour	47.2	58.6	11.4	6.2	72.1
	5/20/2021	9:28:00 AM	9:43:00 AM	15-Minutes	60.1	61.1	1.0		
#3	5/19/2021	2:40:58 PM	3:40:58 PM	1-Hour	49.8	59.2	9.4	5.7	71.5
	5/20/2021	10:54:49 AM	11:09:49 AM	15-Minutes	57.2	59.1	1.9		

Footnotes:

A - The dBA change shown above was calculated by comparing the measured average noise levels (L_{eq}) at each short-duration (15-minute or 1-hour) monitoring location (i.e., #1, #2 and #3) to the measured noise level (L_{eq}) at the long-duration (24-hour) monitoring location during the identical time periods. The difference (i.e., correction factor) shown above is then applied to the measured 24-hour data points to quantify the nighttime (10:00 p.m. - 7:00 a.m.) and Day-Night Average (L_{dn}) noise levels at monitoring locations #1, #2 and #3.

B - See Figure 2 in Attachment 1 which shows the ambient noise monitoring locations.

Serial Number	BGI040008	UNIT REV	R12N
Start Time	11:44:10 19-May-2021		
Run Length	24:00:00 5529600		

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	110
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	113.9
	Date		11:42:19 19-May-2021
Post-Cal	Level	dB	
	Date		
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	24	24
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1	Meter 2
		Broadband	Broadband
Lavg	dB	58.5	58.5
Lmax	dB	75.3	75.2
Lmin	dB	41.5	41.5
Lpk	dB	94.6	94.5
TWA	dB	63.3	63.3
PTWA	dB	63.3	63.3
DOSE	%	2.14	2.13
PDOSE	%	2.14	2.13
SEL	dB	107.9	107.9
EXP	p2s	24	24

Serial Number	BIJ090010	UNIT REV	R13B
Start Time	12:23:37 19-May-2021		
Run Length	3:00:00 691200		

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	114.2
	Date		12:21:43 19-May-2021
Post-Cal	Level	dB	
	Date		
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	50	49.9
Lmax	dB	73.2	73.2
Lmin	dB	36.4	36.4
Lpk	dB	90	89.9
TWA	dB	45.7	45.7
PTWA	dB	41	40.9
DOSE	%	0.04	0.04
PDOSE	%	0.01	0.01
SEL	dB	90.3	90.3
EXP	p2s	0	0

Start Time	12:23:37	19-May-2021
Run Length	1:00:00	230400

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	51.8	51.8
Lmax	dB	73.2	73.2
Lmin	dB	46.7	46.7
Lpk	dB	90	89.9
TWA	dB	42.8	42.8
PTWA	dB	42.8	42.8
DOSE	%	0.02	0.02
PDOSE	%	0.02	0.02
SEL	dB	87.4	87.4
EXP	p2s	0	0

Start Time	14:40:58	19-May-2021
Run Length	1:00:00	230400

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	49.8	49.7
Lmax	dB	67.7	67.6
Lmin	dB	36.4	36.4
Lpk	dB	84	84
TWA	dB	40.7	40.7
PTWA	dB	40.7	40.7
DOSE	%	0.01	0.01
PDOSE	%	0.01	0.01
SEL	dB	85.3	85.3
EXP	p2s	0	0

Start Time	16:15:45	19-May-2021
Run Length	1:00:00	230400

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	114.2
	Date		12:21:43 19-May-2021
Post-Cal	Level	dB	114.1
	Date		17:19:18 19-May-2021
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	47.2	47.1
Lmax	dB	65.2	65.2
Lmin	dB	40.4	40.4
Lpk	dB	82.3	82.3
TWA	dB	38.1	38.1
PTWA	dB	38.1	38.1
DOSE	%	0.01	0.01
PDOSE	%	0.01	0.01
SEL	dB	82.7	82.7
EXP	p2s	0	0

Serial Number	BIJ090010		UNIT REV	R13B	
Start Time	9:28:00	20-May-2021			
Run Length	0:15:00	57600			

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	114.1
	Date		9:26:59 20-May-2021
Post-Cal	Level	dB	
	Date		
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	60.1	60
Lmax	dB	72.4	72.4
Lmin	dB	50.4	50.3
Lpk	dB	98.9	98.8
TWA	dB	45	45
PTWA	dB	51	51
DOSE	%	0.03	0.03
PDOSE	%	0.13	0.13
SEL	dB	89.6	89.6
EXP	p2s	0	0

Serial Number	BIJ090010		UNIT REV	R13B
Start Time	9:57:30	20-May-2021		
Run Length	0:15:00	57600		

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	114.1
	Date		9:26:59 20-May-2021
Post-Cal	Level	dB	
	Date		
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	60.7	60.6
Lmax	dB	71.3	71.3
Lmin	dB	51.9	51.9
Lpk	dB	98.4	98.4
TWA	dB	45.6	45.6
PTWA	dB	51.7	51.6
DOSE	%	0.04	0.04
PDOSE	%	0.15	0.15
SEL	dB	90.2	90.2
EXP	p2s	0	0

Serial Number	BIJ090010	UNIT REV	R13B
Start Time	10:54:49 20-May-2021		
Run Length	0:15:00 57600		

Microphone Information		
Description	Units	Value
Sensitivity	dB	29
Polarization	Volts	0
Meter Range	dB	120
Max Level	dB	140
Meas. Floor	dB	-20

Calibration Information			
Description		Units	Value
Pre-Cal	Level	dB	114.1
	Date		9:26:59 20-May-2021
Post-Cal	Level	dB	
	Date		
ReCert	Date		Unavailable

Configuration Information			
Description	Units	Meter 1	Meter 2
Integration Threshold	dB	OFF	OFF
Exchange Rate	dB	3	3
Criterion Level	dB	80	80
Upper Limit Level	dB	140	140
Projected Time	Hrs	1	1
Weighting		A	A
Time Response		SLOW	SLOW

Measurement	Units	Meter 1 Broadband	Meter 2 Broadband
Lavg	dB	57.2	57.1
Lmax	dB	72	72
Lmin	dB	49.5	49.5
Lpk	dB	98.5	98.5
TWA	dB	42.1	42.1
PTWA	dB	48.1	48.1
DOSE	%	0.02	0.02
PDOSE	%	0.07	0.06
SEL	dB	86.7	86.7
EXP	p2s	0	0

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2
Study 1	0:01:00	0:01:00		55.2	86.7	62.1	49.5	55.1	86.7	62.1	49.4
	0:02:00	0:02:00		52.8	76.3	59.3	49.5	52.8	76.2	59.3	49.5
	0:03:00	0:03:00		51.8	76.3	57.6	48.5	51.7	76.3	57.6	48.4
	0:04:00	0:04:00		53.5	73.4	59.6	49.1	53.5	73.4	59.6	49.1
	0:05:00	0:05:00		58.1	78	63.5	49.8	58.1	78	63.5	49.7
	0:06:00	0:06:00		52.7	70.1	57.3	48.6	52.7	70.1	57.3	48.5
	0:07:00	0:07:00		53.1	73.1	56.7	48.7	53.1	73.1	56.7	48.7
	0:08:00	0:08:00		55.4	74.8	59.5	50	55.4	74.8	59.4	50
	0:09:00	0:09:00		55.7	76	63.3	50.7	55.7	76	63.2	50.7
	0:10:00	0:10:00		55	75.5	59.8	51.2	54.9	75.5	59.8	51.2
	0:11:00	0:11:00		54	75.5	58.3	50.9	54	75.5	58.3	50.9
	0:12:00	0:12:00		52.3	73.1	57.7	49.4	52.3	73	57.7	49.4
	0:13:00	0:13:00		57.8	82.2	63.8	49.5	57.8	82.1	63.8	49.4
	0:14:00	0:14:00		55.3	74.1	60.6	49	55.3	74.1	60.6	49
	0:15:00	0:15:00		54.6	78.1	62	48.8	54.6	78.1	62	48.8
	0:16:00	0:16:00		53.2	74.9	59.6	48	53.2	74.9	59.6	48
	0:17:00	0:17:00		50.1	72.1	55.6	48	50	72.1	55.6	48
	0:18:00	0:18:00		53.7	73.9	58.9	49.7	53.7	73.9	58.9	49.7
	0:19:00	0:19:00		55.7	75.5	62.2	49.1	55.7	75.5	62.2	49
	0:20:00	0:20:00		54.2	74	59.4	49.1	54.2	74	59.3	49.1
	0:21:00	0:21:00		49.9	64.3	52.1	48.5	49.9	64.2	52	48.4
	0:22:00	0:22:00		50.8	72.9	58.3	48.2	50.8	72.9	58.3	48.2
	0:23:00	0:23:00		53.4	79.1	61.9	48.6	53.4	79.1	61.8	48.6
	0:24:00	0:24:00		50.2	68.2	53.5	48.6	50.2	68.1	53.5	48.5
	0:25:00	0:25:00		50.9	74.1	56.6	48.9	50.8	74.1	56.6	48.9
	0:26:00	0:26:00		52.1	72.6	57.9	49	52	72.6	57.9	49
	0:27:00	0:27:00		55.7	81.4	63	49.5	55.6	81.4	63	49.4
	0:28:00	0:28:00		56.6	78.3	63.6	50.6	56.6	78.2	63.6	50.6
	0:29:00	0:29:00		54.9	75.7	60.4	49.5	54.9	75.7	60.4	49.4
	0:30:00	0:30:00		56.3	76.7	61.1	49.6	56.3	76.7	61	49.5
	0:31:00	0:31:00		53.6	76.9	61.1	50.3	53.6	76.8	61	50.3
	0:32:00	0:32:00		54.5	80.6	62.1	50.3	54.4	80.6	62	50.3
	0:33:00	0:33:00		56.8	77.7	62.4	51.6	56.8	77.7	62.4	51.5
	0:34:00	0:34:00		55.1	76.1	61.3	50.7	55.1	76.1	61.3	50.7
	0:35:00	0:35:00		55.3	75.1	61.5	50.6	55.3	75.1	61.5	50.5
	0:36:00	0:36:00		51.3	65.9	55.5	50	51.3	65.9	55.5	50
	0:37:00	0:37:00		56.2	78.2	64.5	50.6	56.1	78.2	64.4	50.6
	0:38:00	0:38:00		56.9	77.6	62.8	51.7	56.9	77.6	62.8	51.7
	0:39:00	0:39:00		54.6	75.1	58.9	51.4	54.5	75.1	58.9	51.4
	0:40:00	0:40:00		58.8	82.5	68.3	51.1	58.8	82.5	68.2	51.1
	0:41:00	0:41:00		55.2	76.5	62.8	51.1	55.2	76.5	62.8	51.1
	0:42:00	0:42:00		54.2	76.7	60.1	50.8	54.2	76.6	60.1	50.8
	0:43:00	0:43:00		53.7	73.7	59.3	50.6	53.7	73.7	59.2	50.6
	0:44:00	0:44:00		52.7	72.2	57.8	50.7	52.7	72.2	57.8	50.7
	0:45:00	0:45:00		61.5	89	70.5	50.9	61.5	89	70.4	50.9
	0:46:00	0:46:00		60	78.2	65.7	51.3	60	78.1	65.7	51.2
	0:47:00	0:47:00		53.9	78.2	60.9	50.2	53.9	78.2	60.8	50.2
	0:48:00	0:48:00		53.2	74.6	57.8	51.1	53.1	74.6	57.8	51.1
	0:49:00	0:49:00		53.6	75.1	59.4	51.1	53.5	75.1	59.4	51
	0:50:00	0:50:00		56.3	79.2	62.1	51.9	56.2	79.2	62.1	51.9
	0:51:00	0:51:00		52.5	73.2	57	50.2	52.4	73.2	56.9	50.1
	0:52:00	0:52:00		56.1	73.1	59.8	52	56	73.1	59.7	51.9
	0:53:00	0:53:00		54.9	75.5	60.2	51.7	54.9	75.5	60.2	51.7
	0:54:00	0:54:00		57.5	79.3	63.9	51	57.5	79.3	63.8	51
	0:55:00	0:55:00		54.9	73.9	60.4	51.2	54.9	73.9	60.4	51.2
	0:56:00	0:56:00		59.1	78	65	51.3	59.1	78	65	51.2
	0:57:00	0:57:00		56.1	81.1	63.7	51.4	56.1	81	63.7	51.4
	0:58:00	0:58:00		56.2	77.6	62.9	51.9	56.1	77.6	62.9	51.8
	0:59:00	0:59:00		55.1	74.8	62	51.6	55.1	74.8	61.9	51.6
	1:00:00	1:00:00		54	74.6	59.4	51	54	74.6	59.4	50.9
	1:01:00	1:01:00		55.1	75.8	61.7	50.3	55.1	75.7	61.6	50.3
	1:02:00	1:02:00		55.4	77.8	63	49.9	55.4	77.8	62.9	49.9
	1:03:00	1:03:00		54.6	75.1	60.4	49.8	54.5	75.1	60.4	49.7
	1:04:00	1:04:00		51.6	73.4	55.2	50.1	51.5	73.4	55.2	50
	1:05:00	1:05:00		55.5	78.3	63.5	50.2	55.5	78.3	63.5	50.2
	1:06:00	1:06:00		51.5	71.1	55.4	50.1	51.5	71.1	55.4	50
	1:07:00	1:07:00		54.9	79	63.4	50.5	54.9	79	63.4	50.5
	1:08:00	1:08:00		56.8	77.7	61.9	50.6	56.7	77.7	61.9	50.6
	1:09:00	1:09:00		56.8	80.2	62	49.6	56.8	80.2	62	49.5
	1:10:00	1:10:00		53.7	72.5	58.3	49.5	53.7	72.5	58.3	49.5
	1:11:00	1:11:00		56.9	76.1	62.6	50.2	56.9	76.1	62.6	50.2
	1:12:00	1:12:00		54.7	76.3	59.8	51.1	54.7	76.2	59.8	51
	1:13:00	1:13:00		55.7	78.8	62.5	50.4	55.7	78.8	62.5	50.4
	1:14:00	1:14:00		56.1	77.1	63	50.8	56.1	77	62.9	50.7
	1:15:00	1:15:00		56.9	76.5	62.7	51.1	56.9	76.5	62.7	51.1
	1:16:00	1:16:00		56.9	78.4	63.8	52.6	56.8	78.4	63.8	52.6
	1:17:00	1:17:00		56.2	78	63.2	50.8	56.2	78	63.2	50.8
	1:18:00	1:18:00		53.1	75.7	61.2	50.4	53	75.7	61.2	50.4
	1:19:00	1:19:00		53.5	72.8	59.7	50.7	53.5	72.8	59.6	50.6
	1:20:00	1:20:00		56.6	77.9	64.9	51.4	56.6	77.9	64.9	51.4
	1:21:00	1:21:00		53.7	75.1	59.8	51	53.7	75.1	59.7	51
	1:22:00	1:22:00		54.9	78	60.8	51.5	54.9	78	60.8	51.5
	1:23:00	1:23:00		55.6	75	61.6	51.2	55.5	74.9	61.6	51.2
	1:24:00	1:24:00		53.9	71.5	57.1	50.7	53.9	71.4	57.1	50.7
	1:25:00	1:25:00		52.1	68.8	54.9	50.1	52.1	68.8	54.9	50.1
	1:26:00	1:26:00		56.6	76.7	61.3	51	56.6	76.6	61.2	51
	1:27:00	1:27:00		54.6	71.4	58.2	51.6	54.6	71.4	58.1	51.6
	1:28:00	1:28:00		54	76.3	59.6	51.7	54	76.2	59.6	51.7
	1:29:00	1:29:00		55.4	75.7	60.2	51.7	55.4	75.7	60.2	51.7
	1:30:00	1:30:00		57.2	77	63.3	53.2	57.2	77	63.2	53.1
	1:31:00	1:31:00		56.9	76.8	63.7	52.7	56.9	76.8	63.6	52.6
	1:32:00	1:32:00		55.5	75.2	60.7	51.8	55.5	75.1	60.6	51.7
	1:33:00	1:33:00		55.2	73.8	59.9	51.7	55.2	73.7	59.9	51.7
	1:34:00	1:34:00		52.8	74.1	57.4	51.4	52.8	74	57.4	51.4
	1:35:00	1:35:00		58.6	80.6	65.9	51.5	58.6	80.6	65.9	51.5
	1:36:00	1:36:00		58.8	79.9	62.9	52.1	58.8	79.9	62.8	52.1
	1:37:00	1:37:00		55.1	74.2	60.1	52.7	55.1	74.1	60.1	52.7
	1:38:00	1:38:00		54.7	74	58.1	52.8	54.6	73.9	58	52.8
	1:39:00	1:39:00		60.6	83.8	67.7	54.2	60.5	83.7	67.7	54.2
	1:40:00	1:40:00		57.1	77.3	62	52.8	57	77.2	61.9	52.8
	1:41:00	1:41:00		54.2	76.6	60.7	51.8	54.2	76.5	60.7	51.7
	1:42:00	1:42:00		56	76.4	62.3	51.7	56	76.4	62.3	51.7
	1:43:00	1:43:00		54.7	75.7	59.9	50.9	54.7	75.7	59.9	50.8
	1:44:00	1:44:00		57	78.7	63.3	50.9	57	78.7	63.3	50.9
	1:45:00	1:45:00		57	76.9	62.4	52	57	76.8	62.4	52
	1:46:00	1:46:00		55.6	78.4	61.7	51.7	55.6	78.4	61.7	51.6
	1:47:00	1:47:00		54.3	77.6	62	51.6	54.3	77.6	62	51.6
	1:48:00	1:48:00		56.6	82.3	63.2	52	56.6	82.2	63.2	52

Date	Time		$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/19/2021	11:44:00 AM					
5/19/2021	11:45:00 AM		331131.12	1621810.10	55.2	331131.12
5/19/2021	11:46:00 AM		190546.07	851138.04	52.8	190546.07
5/19/2021	11:47:00 AM		151356.12	575439.94	51.8	151356.12
5/19/2021	11:48:00 AM		223872.11	912010.84	53.5	223872.11
5/19/2021	11:49:00 AM		645654.23	2238721.14	58.1	645654.23
5/19/2021	11:50:00 AM		186208.71	537031.80	52.7	186208.71
5/19/2021	11:51:00 AM		204173.79	467735.14	53.1	204173.79
5/19/2021	11:52:00 AM		346736.85	891250.94	55.4	346736.85
5/19/2021	11:53:00 AM		371535.23	2137962.09	55.7	371535.23
5/19/2021	11:54:00 AM		316227.77	954992.59	55	316227.77
5/19/2021	11:55:00 AM		251188.64	676082.98	54	251188.64
5/19/2021	11:56:00 AM		169824.37	588843.66	52.3	169824.37
5/19/2021	11:57:00 AM		602559.59	2398832.92	57.8	602559.59
5/19/2021	11:58:00 AM		338844.16	1148153.62	55.3	338844.16
5/19/2021	11:59:00 AM		288403.15	1584893.19	54.6	288403.15
5/19/2021	12:00:00 PM		208929.61	912010.84	53.2	208929.61
5/19/2021	12:01:00 PM		102329.30	363078.05	50.1	102329.30
5/19/2021	12:02:00 PM		234422.88	776247.12	53.7	234422.88
5/19/2021	12:03:00 PM		371535.23	1659586.91	55.7	371535.23
5/19/2021	12:04:00 PM		263026.80	870963.59	54.2	263026.80
5/19/2021	12:05:00 PM		97723.72	162181.01	49.9	97723.72
5/19/2021	12:06:00 PM		120226.44	676082.98	50.8	120226.44
5/19/2021	12:07:00 PM		218776.16	1548816.62	53.4	218776.16
5/19/2021	12:08:00 PM		104712.85	223872.11	50.2	104712.85
5/19/2021	12:09:00 PM		123026.88	457088.19	50.9	123026.88
5/19/2021	12:10:00 PM		162181.01	616595.00	52.1	162181.01
5/19/2021	12:11:00 PM		371535.23	1995262.31	55.7	371535.23
5/19/2021	12:12:00 PM		457088.19	2290867.65	56.6	457088.19
5/19/2021	12:13:00 PM		309029.54	1096478.20	54.9	309029.54
5/19/2021	12:14:00 PM		426579.52	1288249.55	56.3	426579.52
5/19/2021	12:15:00 PM		229086.77	1288249.55	53.6	229086.77
5/19/2021	12:16:00 PM		281838.29	1621810.10	54.5	281838.29
5/19/2021	12:17:00 PM		478630.09	1737800.83	56.8	478630.09
5/19/2021	12:18:00 PM		323593.66	1348962.88	55.1	323593.66
5/19/2021	12:19:00 PM		338844.16	1412537.54	55.3	338844.16
5/19/2021	12:20:00 PM		134896.29	354813.39	51.3	134896.29
5/19/2021	12:21:00 PM		416869.38	2818382.93	56.2	416869.38
5/19/2021	12:22:00 PM		489778.82	1905460.72	56.9	489778.82
5/19/2021	12:23:00 PM	Location #1	288403.15	776247.12	54.6	288403.15
5/19/2021	12:24:00 PM	Location #1	758577.58	6760829.75	58.8	758577.58
5/19/2021	12:25:00 PM	Location #1	331131.12	1905460.72	55.2	331131.12
5/19/2021	12:26:00 PM	Location #1	263026.80	1023292.99	54.2	263026.80
5/19/2021	12:27:00 PM	Location #1	234422.88	851138.04	53.7	234422.88
5/19/2021	12:28:00 PM	Location #1	186208.71	602559.59	52.7	186208.71
5/19/2021	12:29:00 PM	Location #1	1412537.54	11220184.54	61.5	1412537.54
5/19/2021	12:30:00 PM	Location #1	1000000.00	3715352.29	60	1000000.00
5/19/2021	12:31:00 PM	Location #1	245470.89	1230268.77	53.9	245470.89
5/19/2021	12:32:00 PM	Location #1	208929.61	602559.59	53.2	208929.61
5/19/2021	12:33:00 PM	Location #1	229086.77	870963.59	53.6	229086.77
5/19/2021	12:34:00 PM	Location #1	426579.52	1621810.10	56.3	426579.52
5/19/2021	12:35:00 PM	Location #1	177827.94	501187.23	52.5	177827.94
5/19/2021	12:36:00 PM	Location #1	407380.28	954992.59	56.1	407380.28
5/19/2021	12:37:00 PM	Location #1	309029.54	1047128.55	54.9	309029.54
5/19/2021	12:38:00 PM	Location #1	562341.33	2454708.92	57.5	562341.33
5/19/2021	12:39:00 PM	Location #1	309029.54	1096478.20	54.9	309029.54
5/19/2021	12:40:00 PM	Location #1	812830.52	3162277.66	59.1	812830.52
5/19/2021	12:41:00 PM	Location #1	407380.28	2344228.82	56.1	407380.28
5/19/2021	12:42:00 PM	Location #1	416869.38	1949844.60	56.2	416869.38
5/19/2021	12:43:00 PM	Location #1	323593.66	1584893.19	55.1	323593.66
5/19/2021	12:44:00 PM	Location #1	251188.64	870963.59	54	251188.64
5/19/2021	12:45:00 PM	Location #1	323593.66	1479108.39	55.1	323593.66
5/19/2021	12:46:00 PM	Location #1	346736.85	1995262.31	55.4	346736.85
5/19/2021	12:47:00 PM	Location #1	288403.15	1096478.20	54.6	288403.15
5/19/2021	12:48:00 PM	Location #1	144543.98	331131.12	51.6	144543.98
5/19/2021	12:49:00 PM	Location #1	354813.39	2238721.14	55.5	354813.39
5/19/2021	12:50:00 PM	Location #1	141253.75	346736.85	51.5	141253.75
5/19/2021	12:51:00 PM	Location #1	309029.54	2187761.62	54.9	309029.54
5/19/2021	12:52:00 PM	Location #1	478630.09	1548816.62	56.8	478630.09
5/19/2021	12:53:00 PM	Location #1	478630.09	1584893.19	56.8	478630.09
5/19/2021	12:54:00 PM	Location #1	234422.88	676082.98	53.7	234422.88
5/19/2021	12:55:00 PM	Location #1	489778.82	1819700.86	56.9	489778.82
5/19/2021	12:56:00 PM	Location #1	295120.92	954992.59	54.7	295120.92
5/19/2021	12:57:00 PM	Location #1	371535.23	1778279.41	55.7	371535.23
5/19/2021	12:58:00 PM	Location #1	407380.28	1995262.31	56.1	407380.28
5/19/2021	12:59:00 PM	Location #1	489778.82	1862087.14	56.9	489778.82
5/19/2021	1:00:00 PM	Location #1	489778.82	2398832.92	56.9	489778.82
5/19/2021	1:01:00 PM	Location #1	416869.38	2089296.13	56.2	416869.38
5/19/2021	1:02:00 PM	Location #1	204173.79	1318256.74	53.1	204173.79
5/19/2021	1:03:00 PM	Location #1	223872.11	933254.30	53.5	223872.11
5/19/2021	1:04:00 PM	Location #1	457088.19	3090295.43	56.6	457088.19
5/19/2021	1:05:00 PM	Location #1	234422.88	954992.59	53.7	234422.88
5/19/2021	1:06:00 PM	Location #1	309029.54	1202264.43	54.9	309029.54
5/19/2021	1:07:00 PM	Location #1	363078.05	1445439.77	55.6	363078.05
5/19/2021	1:08:00 PM	Location #1	245470.89	512861.38	53.9	245470.89
5/19/2021	1:09:00 PM	Location #1	162181.01	309029.54	52.1	162181.01
5/19/2021	1:10:00 PM	Location #1	457088.19	1348962.88	56.6	457088.19
5/19/2021	1:11:00 PM	Location #1	288403.15	660693.45	54.6	288403.15
5/19/2021	1:12:00 PM	Location #1	251188.64	912010.84	54	251188.64
5/19/2021	1:13:00 PM	Location #1	346736.85	1047128.55	55.4	346736.85
5/19/2021	1:14:00 PM	Location #1	524807.46	2137962.09	57.2	524807.46
5/19/2021	1:15:00 PM	Location #1	489778.82	2344228.82	56.9	489778.82
5/19/2021	1:16:00 PM	Location #1	354813.39	1174897.55	55.5	354813.39
5/19/2021	1:17:00 PM	Location #1	331131.12	977237.22	55.2	331131.12
5/19/2021	1:18:00 PM	Location #1	190546.07	549540.87	52.8	190546.07
5/19/2021	1:19:00 PM	Location #1	724435.96	3890451.45	58.6	724435.96
5/19/2021	1:20:00 PM	Location #1	758577.58	1949844.60	58.8	758577.58
5/19/2021	1:21:00 PM	Location #1	323593.66	1023292.99	55.1	323593.66
5/19/2021	1:22:00 PM	Location #1	295120.92	645654.23	54.7	295120.92
5/19/2021	1:23:00 PM		1148153.62	5888436.55	60.6	1148153.62
5/19/2021	1:24:00 PM		512861.38	1584893.19	57.1	512861.38
5/19/2021	1:25:00 PM		263026.80	1174897.55	54.2	263026.80
5/19/2021	1:26:00 PM		398107.17	1698243.65	56	398107.17
5/19/2021	1:27:00 PM		295120.92	977237.22	54.7	295120.92
5/19/2021	1:28:00 PM		501187.23	2137962.09	57	501187.23
5/19/2021	1:29:00 PM		501187.23	1737800.83	57	501187.23
5/19/2021	1:30:00 PM		363078.05	1479108.39	55.6	363078.05
5/19/2021	1:31:00 PM		269153.48	1584893.19	54.3	269153.48
5/19/2021	1:32:00 PM		457088.19	2089296.13	56.6	457088.19

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2	Date	Time		$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	1:49:00	1:49:00		57.9	78.1	63.2	52.1	57.8	78.1	63.2	52.1	5/19/2021	1:33:00 PM		616595.00	2089296.13	57.9	616595.00
	1:50:00	1:50:00		57.3	77.8	63.2	52.8	57.3	77.8	63.2	52.8	5/19/2021	1:34:00 PM		537031.80	2089296.13	57.3	537031.80
	1:51:00	1:51:00		52.8	68.7	55.1	51.9	52.8	68.6	55	51.9	5/19/2021	1:35:00 PM		190546.07	323593.66	52.8	190546.07
	1:52:00	1:52:00		57	76.6	63.6	52.8	56.9	76.5	63.5	52.8	5/19/2021	1:36:00 PM		501187.23	2290867.65	57	501187.23
	1:53:00	1:53:00		55.2	77.6	60.5	52.1	55.2	77.6	60.5	52.1	5/19/2021	1:37:00 PM		331131.12	1122018.45	55.2	331131.12
	1:54:00	1:54:00		55.6	76	62.6	51.9	55.6	75.9	62.6	51.9	5/19/2021	1:38:00 PM		363078.05	1819700.86	55.6	363078.05
	1:55:00	1:55:00		57.7	77.7	62	53.6	57.7	77.6	61.9	53.6	5/19/2021	1:39:00 PM		588843.66	1584893.19	57.7	588843.66
	1:56:00	1:56:00		60.1	85.4	67.9	54.2	60.1	85.4	67.9	54.1	5/19/2021	1:40:00 PM		1023292.99	6165950.02	60.1	1023292.99
	1:57:00	1:57:00		57.3	77.8	63.6	53	57.3	77.8	63.6	53	5/19/2021	1:41:00 PM		537031.80	2290867.65	57.3	537031.80
	1:58:00	1:58:00		59.9	81.8	68.7	53	59.8	81.8	68.7	53	5/19/2021	1:42:00 PM		977237.22	7413102.41	59.9	977237.22
	1:59:00	1:59:00		58.6	80	65.7	52.5	58.5	79.9	65.6	52.5	5/19/2021	1:43:00 PM		724435.96	3715352.29	58.6	724435.96
	2:00:00	2:00:00		56.9	77.4	60.9	52.8	56.9	77.4	60.8	52.8	5/19/2021	1:44:00 PM		489778.82	1230268.77	56.9	489778.82
	2:01:00	2:01:00		55.7	76.1	59.6	51.5	55.6	76.1	59.6	51.5	5/19/2021	1:45:00 PM		371535.23	912010.84	55.7	371535.23
	2:02:00	2:02:00		54.6	76.8	63.4	51.4	54.6	76.8	63.3	51.4	5/19/2021	1:46:00 PM		288403.15	2187761.62	54.6	288403.15
	2:03:00	2:03:00		57.4	76.6	63.8	51.9	57.3	76.6	63.8	51.8	5/19/2021	1:47:00 PM		549540.87	2398832.92	57.4	549540.87
	2:04:00	2:04:00		57.4	77.1	62.4	53.3	57.3	77.1	62.4	53.3	5/19/2021	1:48:00 PM		549540.87	1737800.83	57.4	549540.87
	2:05:00	2:05:00		57.3	77.8	63.4	51.6	57.3	77.8	63.4	51.6	5/19/2021	1:49:00 PM		537031.80	2187761.62	57.3	537031.80
	2:06:00	2:06:00		56.1	76	62.3	51.6	56.1	76	62.3	51.6	5/19/2021	1:50:00 PM		407380.28	1698243.65	56.1	407380.28
	2:07:00	2:07:00		56.5	76.1	62	52.5	56.5	76.1	62	52.5	5/19/2021	1:51:00 PM		446683.59	1584893.19	56.5	446683.59
	2:08:00	2:08:00		54.3	75	61.1	51	54.2	74.9	61	51	5/19/2021	1:52:00 PM		269153.48	1288249.55	54.3	269153.48
	2:09:00	2:09:00		57.2	77.8	62	51.9	57.2	77.8	62	51.9	5/19/2021	1:53:00 PM		524807.46	1584893.19	57.2	524807.46
	2:10:00	2:10:00		58.8	81.3	67.4	51.6	58.8	81.2	67.4	51.6	5/19/2021	1:54:00 PM		758577.58	5495408.74	58.8	758577.58
	2:11:00	2:11:00		54.7	73.7	59.8	51.9	54.7	73.6	59.7	51.8	5/19/2021	1:55:00 PM		295120.92	954992.59	54.7	295120.92
	2:12:00	2:12:00		56.9	75.2	60.9	52.5	56.8	75.2	60.9	52.5	5/19/2021	1:56:00 PM		489778.82	1230268.77	56.9	489778.82
	2:13:00	2:13:00		51.8	69.5	55	50.4	51.7	69.5	55	50.4	5/19/2021	1:57:00 PM		151356.12	316227.77	51.8	151356.12
	2:14:00	2:14:00		54.1	73.3	59.1	51	54.1	73.3	59.1	51	5/19/2021	1:58:00 PM		257039.58	812830.52	54.1	257039.58
	2:15:00	2:15:00		57.3	77.6	62.9	51	57.2	77.6	62.9	51	5/19/2021	1:59:00 PM		537031.80	1949844.60	57.3	537031.80
	2:16:00	2:16:00		55.6	75.9	62.3	50.1	55.5	75.9	62.2	50.1	5/19/2021	2:00:00 PM		363078.05	1698243.65	55.6	363078.05
	2:17:00	2:17:00		57.1	77.1	64.2	51.5	57.1	77.1	64.1	51.5	5/19/2021	2:01:00 PM		512861.38	2630267.99	57.1	512861.38
	2:18:00	2:18:00		57	77.9	62.8	50.9	57	77.8	62.8	50.9	5/19/2021	2:02:00 PM		501187.23	1905460.72	57	501187.23
	2:19:00	2:19:00		56	76.2	62.8	51.4	55.9	76.2	62.8	51.4	5/19/2021	2:03:00 PM		398107.17	1905460.72	56	398107.17
	2:20:00	2:20:00		54	74.2	58.9	50.5	54	74.2	58.8	50.5	5/19/2021	2:04:00 PM		251188.64	776247.12	54	251188.64
	2:21:00	2:21:00		57.2	80.6	62.5	50.9	57.2	80.6	62.4	50.9	5/19/2021	2:05:00 PM		524807.46	1778279.41	57.2	524807.46
	2:22:00	2:22:00		53.6	76.3	60.3	51	53.6	76.3	60.3	51	5/19/2021	2:06:00 PM		229086.77	1071519.31	53.6	229086.77
	2:23:00	2:23:00		56.3	79.8	63.3	51.6	56.3	79.8	63.3	51.6	5/19/2021	2:07:00 PM		426579.52	2137962.09	56.3	426579.52
	2:24:00	2:24:00		56.8	76.1	61.2	51.3	56.8	76	61.2	51.3	5/19/2021	2:08:00 PM		478630.09	1318256.74	56.8	478630.09
	2:25:00	2:25:00		53.8	74.5	60.5	51.3	53.8	74.5	60.4	51.3	5/19/2021	2:09:00 PM		239883.29	1122018.45	53.8	239883.29
	2:26:00	2:26:00		58.5	79.9	65.1	52.7	58.5	79.9	65.1	52.7	5/19/2021	2:10:00 PM		707945.78	3235936.57	58.5	707945.78
	2:27:00	2:27:00		58.6	83.1	66.3	51.8	58.6	83.1	66.2	51.8	5/19/2021	2:11:00 PM		724435.96	4265795.19	58.6	724435.96
	2:28:00	2:28:00		57.1	77.7	62.9	51.7	57.1	77.7	62.9	51.7	5/19/2021	2:12:00 PM		512861.38	1949844.60	57.1	512861.38
	2:29:00	2:29:00		56.9	75.5	61.3	51.8	56.9	75.5	61.3	51.8	5/19/2021	2:13:00 PM		489778.82	1348962.88	56.9	489778.82
	2:30:00	2:30:00		55.3	77	62.1	51	55.3	76.9	62.1	51	5/19/2021	2:14:00 PM		338844.16	1621810.10	55.3	338844.16
	2:31:00	2:31:00		56.1	79.6	64.8	51.7	56.1	79.5	64.8	51.7	5/19/2021	2:15:00 PM		407380.28	3019951.72	56.1	407380.28
	2:32:00	2:32:00		55	75.3	62.6	51.3	55	75.3	62.5	51.3	5/19/2021	2:16:00 PM		316227.77	1819700.86	55	316227.77
	2:33:00	2:33:00		54.5	77	60.7	51.5	54.5	77	60.6	51.4	5/19/2021	2:17:00 PM		281838.29	1174897.55	54.5	281838.29
	2:34:00	2:34:00		56.6	77.1	60.9	51.9	56.6	77.1	60.9	51.9	5/19/2021	2:18:00 PM		457088.19	1230268.77	56.6	457088.19
	2:35:00	2:35:00		60.8	89.9	70.5	54.3	60.8	89.8	70.5	54.2	5/19/2021	2:19:00 PM		1202264.43	11220184.54	60.8	1202264.43
	2:36:00	2:36:00		55.4	73.7	60.7	52	55.3	73.7	60.7	52	5/19/2021	2:20:00 PM		346736.85	1174897.55	55.4	346736.85
	2:37:00	2:37:00		57.6	76.8	63.2	51.2	57.6	76.8	63.2	51.2	5/19/2021	2:21:00 PM		575439.94	2089296.13	57.6	575439.94
	2:38:00	2:38:00		56.4	75.2	62.6	51.7	56.4	75.2	62.6	51.7	5/19/2021	2:22:00 PM		436515.83	1819700.86	56.4	436515.83
	2:39:00	2:39:00		58.9	80.3	66.7	52.5	58.9	80.2	66.7	52.5	5/19/2021	2:23:00 PM		776247.12	4677351.41	58.9	776247.12
	2:40:00	2:40:00		58	79.4	64	53	57.9	79.4	64	53	5/19/2021	2:24:00 PM		630957.34	2511886.43	58	630957.34
	2:41:00	2:41:00		58.9	78.6	64.4	54.1	58.9	78.6	64.3	54.1	5/19/2021	2:25:00 PM		776247.12	2754228.70	58.9	776247.12
	2:42:00	2:42:00		57.5	79.1	63.7	52.1	57.4	79.1	63.7	52	5/19/2021	2:26:00 PM		562341.33	2344228.82	57.5	562341.33
	2:43:00	2:43:00		57.6	78.2	61.8	53.2	57.6	78.2	61.8	53.2	5/19/2021	2:27:00 PM		575439.94	1513561.25	57.6	575439.94
	2:44:00	2:44:00		57.8	76.8	61.4	53.3	57.8	76.8	61.3	53.3	5/19/2021	2:28:00 PM		602559.59	1380384.26	57.8	602559.59
	2:45:00	2:45:00		59.3	78.1	63.4	53.5	59.3	78	63.3	53.4	5/19/2021	2:29:00 PM		851138.04	2187761.62	59.3	851138.04
	2:46:00	2:46:00		58.4	78.7	63.2	54.2	58.4	78.7	63.2	54.2	5/19/2021	2:30:00 PM		691830.97	2089296.13	58.4	691830.97
	2:47:00	2:47:00		59.7	82.4	63.8	53.9	59.7	82.4	63.8	53.9	5/19/2021	2:31:00 PM		933254.30	2398832.92	59.7	933254.30
	2:48:00	2:48:00		55.6	77	60	52.1	55.6	77	59.9	52	5/19/2021	2:32:00 PM		363078.05	1000000.00	55.6	363078.05
	2:49:00	2:49:00		54.9	74.6	59.9	52.1	54.9	74.6	59.9	52	5/19/2021	2:33:00 PM		309029.54	977237.22	54.9	309029.54
	2:50:00	2:50:00		58.6	78.9	64.4	52.9	58.6	78.9	64.3	52.9	5/19/2021	2:34:00 PM		724435.96	2754228.70	58.6	724435.96
	2:51:00	2:51:00		57.5	79.3	63.9	52.4	57.5	79.2	63.9	52.4	5/19/2021	2:35:00 PM		562341.33	2454708.92	57.5	562341.33
	2:52:00	2:52:00		58.6	79.8	62	52.8	58.5	79.8	62	52.8	5/19/2021	2:36:00 PM		724435.96	1584893.19	58.6	724435.96
	2:53:00	2:53:00		56.9	81.2	63	52.9	56.8	81.2	63	52.9	5/19/2021	2:37:00 PM		489778.82	1995262.31	56.9	489778.82
	2:54:00	2:54:00		58.7	77.5	62.2	53.7	58.7	77.5	62.1	53.6	5/19/2021	2:38:00 PM		741310.24	1659586.91	58.7	741310.24
	2:55:00	2:55:00		58.8	80.1	64	53	58.8	80	64	53	5/19/2021	2:39:00 PM		758577.58	2511886.43	58.8	758577.58
	2:56:00	2:56:00		57.4	82.9	64.7	52.8	57.3	82.9	64.6	52.7	5/19/2021	2:40:00 PM	Location #3	549540.87	2951209.23	57.4	549540.87
	2:57:00	2:57:00		56.5	78.8	62.7	53.1	56.5	78.8	62.7	53.1	5/19/2021	2:41:00 PM	Location #3	446683.59	1862087.14	56.5	446683.59
	2:58:00	2:58:00		58.9	82.2	64.9	52.6	58.9	82.2	64.9	52.6	5/19/2021	2:42:00 PM	Location #3	776247.12	3090295.43	58.9	776247.12
	2:59:00	2:59:00		57.2	77.3	63.3	53.8	57.2	77.3	63.3	53.8	5/19/2021	2:43:00 PM	Location #3	524807.46	2137962.09	57.2	524807.46
	3:00:00	3:00:00		59.9	80.6	63.9	53.6	59.9	80.6	63.9	53.6	5/19/2021	2:44:00 PM	Location #3	977237.22	2454708.92	59.9	977237.22
	3:01:00	3:01:00		56.9	76.8	63	53.4	56.9	76.8	63	53.3	5/19/2021	2:45:00 PM	Location #3	489778.82	1995262.31	56.9	489778.82
	3:02:00	3:02:00		57.6	78.2	63.8	53.1	57.6	78.1	63.8	53.1	5/19/2021	2:46:00 PM	Location #3	575439.94	2398832.92	57.6	575439.94
	3:03:00	3:03:00		58.9	81	63.6	53.3	58.8	81	63.6	53.2	5/19/2021	2:47:00 PM	Location #3	776247.12	2290867.65	58.9	776247.12
	3:04:00	3:04:00		57.3	77.4	62.5	52.7	57.3	77.4	62.5	52.7	5/19/2021	2:48:00 PM	Location #3	537031.80	1778279.41	57.3	537031.80
	3:05:00	3:05:00		57.1	79.8	65.2	51.8	57.1	79.8	65.2	51.8	5/19/2021	2:49:00 PM	Location #3	512861.38	3311311.21	57.1	512861.38
	3:06:00	3:06:00		58.1	79.6	64	52.5	58.1	79.5	64	52.5	5/19/2021	2:50:00 PM	Location #3	645654.23	2511886.43	58.1	645654.23
	3:07:00	3:07:00		58.1	81	64.5	53.8	58.1	81	64.5	53.8	5/19/2021	2:51:00 PM	Location #3	645654.23	2818382.93	58.1	645654.23
	3:08:00	3:08:00		56.6	80.8	62	53	56.6	80.8	62	52.9	5/19/2021	2:52:00 PM	Location #3	457088.19	1584893.19	56.6	457088.19
	3:09:00	3:09:00		58.8	80.3	64	54.3	58.8	80.3	64	54.2	5/19/2021	2:53:00 PM	Location #3	758577.58	2511886.43	58.8	758577.58
	3:10:00	3:10:00		56.7	79.1	61.3	53.5	56.7	79.1	61.3	53.5	5/19/2021	2:54:00 PM	Location #3	467735.14	1348962.88	56.7	467735.14
	3:11:00	3:11:00		60.4	80.3	66.4	53.8	60.4	80.2	66.4	53.7	5/19/2021	2:55:00 PM	Location #3	1096478.20	4365158.32	60.4	1096478.20
	3:12:00	3:12:00		56.2	75.4	60.9	52.4	56.1	75.4	60.9	52.4	5/19/2021	2:56:00 PM	Location #3	416869.38	1230268.77	56.2	416869.38
	3:13:00	3:13:00		56.7	79.2	62	52.6	56.7	79.2	62	52.6	5/19/2021	2:57:00 PM	Location #3	467735.14	1584893.19	56.7	467735.14
	3:14:00	3:14:00		58.1	86.8	67.1	52.4	58.1	86.8	67.1	52.4	5/19/2021	2:58:00 PM	Location #3	645654.23	5128613.84	58.1	645654.23
	3:15:00	3:15:00		58.7	79.2	66.3	52.7	58.7	79.2	66.3	52.7	5/19/2021	2:59:00 PM	Location #3	741310.24	4265795.19	58.7	741310.24
	3:16:00	3:16:00		59	81	64.8	52.9	59	81	64.8	52.8	5/19/2021	3:00:00 PM	Location #3	794328.23	3019951.72	59	794328.23
	3:17:00	3:17:00		57.8	79	65.1	52.5	57.7	79	65.1	52.5	5/19/2021	3:01:00 PM	Location #3	602559.59	3235936.57	57.8	602559.59
	3:18:00	3:18:00		56.3	79.6	65.1	51.9	56.3	79.5	65	51.9	5/19/2021	3:02:00 PM	Location #3	426579.52	3235936.57	56.3	426579.52
	3:19:00	3:19:00		62.6	85.4	70	53.7	62.6	85.4	70	53.7	5/19/2021	3:03:00 PM	Location #3	1819700.86	10000000.00	62.6	1819700.86
	3:20:00	3:20:00		57.6	78.9	62.2	52.5	57.6	78.8	62.2	52.4	5/19/2021	3:04:00 PM	Location #3	575439.94	1659586.91	57.6	575439.94
	3:21:00	3:21:00		61.6	84.6	69.3	53.5	61.6	84.5	69.3	53.5	5/19/2021	3:05:00 PM	Location #3	1445439.77	8511380.38	61.6	1445439.77
	3:22:00	3:22:00		58	80.2	64.7	52.7	58	80.1	64.7	52.7	5/19/2021	3:06:00 PM	Location #3	630957.34	2951209.23	58	630957.34
	3:23:00	3:23:00		56.9	77.8	62.7	51.7	56.9	77.8	62.7	51.7	5/19/2021	3:07:00 PM	Location #3	489778.82	1862087.14	56.9	489778.82
	3:24:00	3:24:00		62.1	83	66.8	53.9	62	83	66.8	53.8	5/19/2021	3:08:00 PM	Location #3	1621810.10	4786300.92	62.1	1621810.10
	3:25:00	3:25:00		59.7	81.4	66.2	52.9	59.7	81.4	66.2	52.9	5/19/2021	3:09:00 PM	Location #3	933254.30	4168693.83	59.7	933254.30
	3:26:00	3:26:00		62	84	68	54.1	62	84	68	54.1	5/19/2021	3:10:00 PM	Location #3	1584893.19	6309573.44	62	1584893.19
	3:27:00	3:27:00		60.3	81.1	64.2	52.5	60.3	81.1	64.2	52.5	5/19/2021	3:11:00 PM	Location #3	1071519.31	2630267.99	60.3	1071519.31
	3:28:00	3:28:00		59.8	81.5	64.1	54.2	59.8	81.5	64.1	54.2	5/19/2021	3:12:00 PM	Location #3	954992.59	2570395.78	59.8	954992.59
	3:29:00	3:29:00		60.8	82	66	53.6	60.8	82	66	53.6	5/19/2021	3:13:00 PM	Location #3	1202264.43	3981071.71	60.8	1202264.43
	3:30:00	3:30:00		54.3	71.3	59.2	52.5	54.3	71.2	59.1	52.4	5/19/2021	3:14:00 PM	Location #3	269153.48	831763.77	54.3	269153.48
	3:31:00	3:31:00		60.5	85.3	69.9	52.5	60.4	85.3	69.9	52.5	5/19/2021	3:15:00 PM	Location #3	1122018.45	9772372.21	60.5	1122018.45
	3:32:00	3:32:00		59	80.2	63.5	54.2	59	80.1	63.5	54.2	5/19/2021	3:16:00 PM	Location #3	794328.23	2238721.14	59	794328.23
	3:33:00	3:33:00		59.6	81	67.7	52.6	59.6	80.9	67.7	52.5	5/19/2021	3:17:00 PM	Location #3	912010.84	5888436.55	59.6	912010.84
	3:34:00	3:34:00		58.9	77.5	63.7	53.4	58.9	77.4	63.7	53.3	5/19/2021	3:18:00 PM	Location #3	776247.12	2344228.82	58.9	776247.12
	3:35:00	3:35:00		59.1	83.1	64.7	53.1	59.1	83.1	64.6	53.1	5/19/2021	3:19:00 PM	Location #3	812830.52	2951209.23	59.1	812830.52
	3:36:00	3:36:00		61	80.1	64.6	53.3	60.9	80	64.6	53.2	5/19/2021	3:20:00 PM	Location #3	1258925.41	2884031.50	61	1258925.41
	3:37:00	3:37:00		58.6	80.3	65.3	52.7	58.6	80.3	65.3	52.6	5/19/2021	3:21:00 PM	Location #3	724435.96	3388441.56	58.6	724435.96

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2
	3:38:00	3:38:00		56.3	79.4	61.8	52.6	56.2	79.3	61.8	52.6
	3:39:00	3:39:00		58.7	80.2	65.6	52.8	58.7	80.2	65.6	52.7
	3:40:00	3:40:00		61.2	80.6	67.1	53.8	61.1	80.5	67.1	53.8
	3:41:00	3:41:00		62.2	85.6	70.1	55.8	62.1	85.6	70.1	55.8
	3:42:00	3:42:00		58.1	80.4	62.9	53.4	58.1	80.3	62.9	53.3
	3:43:00	3:43:00		60.2	82.1	65.9	53.7	60.2	82	65.8	53.7
	3:44:00	3:44:00		55.7	75	60.5	52.3	55.7	75	60.5	52.2
	3:45:00	3:45:00		57.3	77.2	63	53.2	57.3	77.2	63	53.2
	3:46:00	3:46:00		62	82.6	67.6	55.8	62	82.6	67.6	55.8
	3:47:00	3:47:00		62.6	87.5	72.2	54.2	62.6	87.5	72.1	54.2
	3:48:00	3:48:00		60.7	81.5	64.4	55.9	60.7	81.5	64.3	55.9
	3:49:00	3:49:00		56.3	77	62.2	53	56.3	76.9	62.1	53
	3:50:00	3:50:00		60.6	78.6	64.1	54.3	60.6	78.6	64.1	54.2
	3:51:00	3:51:00		59.3	80	64.8	53.4	59.3	80	64.8	53.4
	3:52:00	3:52:00		57.8	78.6	63.5	54	57.8	78.5	63.5	54
	3:53:00	3:53:00		59.6	82.1	65.5	53.5	59.6	82	65.4	53.5
	3:54:00	3:54:00		57.1	80.1	63.9	53.4	57.1	80	63.9	53.4
	3:55:00	3:55:00		61.3	86.5	71.1	54.2	61.3	86.5	71.1	54.2
	3:56:00	3:56:00		58.9	82	65.5	52.4	58.9	82	65.4	52.4
	3:57:00	3:57:00		57.8	76.9	62.7	53.1	57.8	76.8	62.6	53.1
	3:58:00	3:58:00		57.7	77	63.8	52.5	57.7	77	63.7	52.5
	3:59:00	3:59:00	Overload	61.2	85.6	70.2	55.1	61.2	85.6	70.2	55.1
	4:00:00	4:00:00		58.1	80.7	64.3	52.3	58.1	80.7	64.3	52.3
	4:01:00	4:01:00		55.3	75.2	59.7	51.9	55.3	75.1	59.7	51.9
	4:02:00	4:02:00		56.8	79.5	62.7	53.6	56.8	79.5	62.7	53.6
	4:03:00	4:03:00		61.3	81	67.7	53	61.2	81	67.6	53
	4:04:00	4:04:00		57.2	79.4	62.8	52.9	57.2	79.4	62.8	52.9
	4:05:00	4:05:00		57.2	78.5	64.6	52.8	57.2	78.5	64.5	52.8
	4:06:00	4:06:00		60.4	83.9	66.2	54.2	60.4	83.9	66.2	54.2
	4:07:00	4:07:00		61.1	84.6	67.8	55.1	61	84.5	67.8	55
	4:08:00	4:08:00		55.4	75.1	60.6	52.6	55.4	75.1	60.6	52.5
	4:09:00	4:09:00		59.7	79	64.9	52.9	59.7	78.9	64.9	52.9
	4:10:00	4:10:00		62.7	85.5	67.8	55.7	62.6	85.5	67.8	55.7
	4:11:00	4:11:00		61.7	81.9	65.9	55.4	61.7	81.8	65.9	55.4
	4:12:00	4:12:00		58.9	82.3	67.1	52.6	58.9	82.2	67	52.6
	4:13:00	4:13:00		58.4	82.1	65.7	53.7	58.3	82.1	65.7	53.7
	4:14:00	4:14:00		60	80.6	65.4	54.8	59.9	80.6	65.3	54.8
	4:15:00	4:15:00		59.3	86.5	70.1	53.3	59.3	86.4	70	53.2
	4:16:00	4:16:00	Overload	59.5	81.6	65.9	54	59.4	81.6	65.9	54
	4:17:00	4:17:00		61.8	86.1	69.1	55	61.8	86.1	69	55
	4:18:00	4:18:00		57.8	81.6	64.7	53.8	57.8	81.5	64.7	53.7
	4:19:00	4:19:00		58	81.4	64.7	52.5	57.9	81.4	64.7	52.5
	4:20:00	4:20:00		61.4	83.5	68.5	53.8	61.4	83.5	68.5	53.8
	4:21:00	4:21:00		59.8	83.5	66.4	53.6	59.7	83.5	66.4	53.6
	4:22:00	4:22:00		59.5	84.1	64.3	54.1	59.5	84.1	64.2	54.1
	4:23:00	4:23:00		58.5	85.3	66.3	53.8	58.5	85.3	66.2	53.7
	4:24:00	4:24:00		59.4	82.2	64.7	53.5	59.4	82.2	64.7	53.5
	4:25:00	4:25:00		60.3	79.9	64.8	54.5	60.2	79.8	64.8	54.5
	4:26:00	4:26:00		59.2	80.3	64.8	53.4	59.2	80.3	64.7	53.4
	4:27:00	4:27:00		61.3	80.1	65.3	53.2	61.3	80.1	65.2	53.1
	4:28:00	4:28:00		60.3	80.8	64.8	54.4	60.2	80.8	64.8	54.4
	4:29:00	4:29:00		59.1	82.3	65.5	52.9	59.1	82.3	65.5	52.9
	4:30:00	4:30:00		61.8	82.7	67.8	53.8	61.8	82.7	67.8	53.7
	4:31:00	4:31:00		57.8	78.4	63.2	53.3	57.7	78.3	63.2	53.2
	4:32:00	4:32:00		58.7	80.2	65.1	53.2	58.7	80.2	65.1	53.2
	4:33:00	4:33:00		57.4	77.9	63.6	51.8	57.4	77.9	63.6	51.8
	4:34:00	4:34:00		56.9	77.9	61.9	52.3	56.8	77.9	61.9	52.3
	4:35:00	4:35:00		55.4	73.5	59.4	52.6	55.4	73.5	59.3	52.6
	4:36:00	4:36:00		61	82.5	66.4	53.5	61	82.5	66.4	53.5
	4:37:00	4:37:00		59	80.6	64.5	54	59	80.6	64.5	53.9
	4:38:00	4:38:00		59.4	81.2	65.3	53.3	59.4	81.1	65.3	53.3
	4:39:00	4:39:00		61.2	82.5	68.2	53	61.2	82.5	68.2	53
	4:40:00	4:40:00		58.8	79.7	66.7	52.3	58.7	79.7	66.7	52.3
	4:41:00	4:41:00		60.2	78.4	64.6	52.4	60.2	78.4	64.6	52.4
	4:42:00	4:42:00		60.4	82.9	67.4	52.2	60.4	82.9	67.3	52.2
	4:43:00	4:43:00		59.2	80.1	65.1	52.3	59.2	80.1	65	52.3
	4:44:00	4:44:00		56.2	76.7	62.4	51.4	56.2	76.7	62.4	51.4
	4:45:00	4:45:00		56.4	78.6	63.4	52.3	56.4	78.6	63.4	52.3
	4:46:00	4:46:00		60.3	80	64.5	52.3	60.3	80	64.5	52.2
	4:47:00	4:47:00		56.8	79.2	62.6	53.4	56.8	79.2	62.6	53.4
	4:48:00	4:48:00		59.4	79.9	65.4	53.6	59.4	79.9	65.4	53.6
	4:49:00	4:49:00		59.2	77.8	63.8	53.9	59.2	77.8	63.8	53.9
	4:50:00	4:50:00		54.5	77.4	60.1	52	54.5	77.4	60.1	51.9
	4:51:00	4:51:00		60.6	80.7	64.7	53.5	60.6	80.7	64.7	53.5
	4:52:00	4:52:00		55.6	76.3	61.9	52.2	55.6	76.3	61.9	52.2
	4:53:00	4:53:00		60	80.1	66	53.9	60	80.1	66	53.9
	4:54:00	4:54:00		57.2	79.9	64.3	52	57.2	79.9	64.3	52
	4:55:00	4:55:00		60.1	81.1	65.1	53.1	60.1	81.1	65.1	53.1
	4:56:00	4:56:00		58.1	80.3	63.3	52.8	58.1	80.3	63.3	52.8
	4:57:00	4:57:00		56.8	78.5	63	52.4	56.8	78.5	62.9	52.4
	4:58:00	4:58:00		59.4	80.1	63.2	53.7	59.4	80.1	63.1	53.7
	4:59:00	4:59:00		56	78.8	62.4	51.7	55.9	78.8	62.4	51.7
	5:00:00	5:00:00		59.7	80.6	65.2	53.4	59.6	80.6	65.1	53.4
	5:01:00	5:01:00		59.7	81.5	65.8	53.9	59.7	81.5	65.7	53.9
	5:02:00	5:02:00		58.7	79.2	63.7	53.8	58.7	79.1	63.6	53.8
	5:03:00	5:03:00		57.1	77.6	62	53.1	57.1	77.6	62	53.1
	5:04:00	5:04:00		59.2	80	66.1	52.1	59.1	80	66	52.1
	5:05:00	5:05:00		59.8	82	64.9	52.1	59.7	82	64.9	52.1
	5:06:00	5:06:00		57.3	77.1	63.3	52.1	57.2	77	63.3	52.1
	5:07:00	5:07:00		56.7	77.3	62.4	53.8	56.7	77.3	62.4	53.8
	5:08:00	5:08:00		59.5	82.9	65.3	53.8	59.5	82.9	65.3	53.8
	5:09:00	5:09:00		58.2	78.5	64	52.6	58.2	78.5	63.9	52.6
	5:10:00	5:10:00		56.6	76.8	60.9	52.8	56.6	76.8	60.8	52.8
	5:11:00	5:11:00		57.5	76.4	62	53.3	57.5	76.4	62	53.3
	5:12:00	5:12:00		59.1	78.6	63.8	54.1	59.1	78.6	63.7	54
	5:13:00	5:13:00		57.6	78	62.7	53.3	57.6	77.9	62.7	53.3
	5:14:00	5:14:00		55.8	75.7	61.1	52.6	55.8	75.6	61.1	52.6
	5:15:00	5:15:00		60.8	81.9	66.2	54	60.8	81.9	66.2	54
	5:16:00	5:16:00		57.4	77.6	63.3	53.4	57.4	77.6	63.2	53.4
	5:17:00	5:17:00		57.9	76.6	63.8	52.5	57.9	76.6	63.8	52.5
	5:18:00	5:18:00		59.1	79.2	63.2	54	59.1	79.1	63.2	54
	5:19:00	5:19:00		56.4	76.3	62.2	52.1	56.4	76.3	62.1	52.1
	5:20:00	5:20:00		57.7	76	62.1	54	57.7	76	62.1	54
	5:21:00	5:21:00		55.9	74.7	59.8	52.8	55.9	74.6	59.8	52.7
	5:22:00	5:22:00		60.9	82.3	65.6	52.7	60.9	82.3	65.6	52.7
	5:23:00	5:23:00		61.4	81.4	67	54.2	61.4	81.4	67	54.2
	5:24:00	5:24:00		55.8	78.3	62.7	51.7	55.8	78.3	62.7	51.7
	5:25:00	5:25:00		58.7	77.4	63.7	53	58.7	77.3	63.7	53
	5:26:00	5:26:00		58.3	78.9	64.7	52.6	58.3	78.9	64.7	52.6

Date	Time		$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/19/2021	3:22:00 PM	Location #3	426579.52	1513561.25	56.3	426579.52
5/19/2021	3:23:00 PM	Location #3	741310.24	3630780.55	58.7	741310.24
5/19/2021	3:24:00 PM	Location #3	1318256.74	5128613.84	61.2	1318256.74
5/19/2021	3:25:00 PM	Location #3	1659586.91	10232929.92	62.2	1659586.91
5/19/2021	3:26:00 PM	Location #3	645654.23	1949844.60	58.1	645654.23
5/19/2021	3:27:00 PM	Location #3	1047128.55	3890451.45	60.2	1047128.55
5/19/2021	3:28:00 PM	Location #3	371535.23	1122018.45	55.7	371535.23
5/19/2021	3:29:00 PM	Location #3	537031.80	1995262.31	57.3	537031.80
5/19/2021	3:30:00 PM	Location #3	1584893.19	5754399.37	62	1584893.19
5/19/2021	3:31:00 PM	Location #3	1819700.86	16595869.07	62.6	1819700.86
5/19/2021	3:32:00 PM	Location #3	1174897.55	2754228.70	60.7	1174897.55
5/19/2021	3:33:00 PM	Location #3	426579.52	1659586.91	56.3	426579.52
5/19/2021	3:34:00 PM	Location #3	1148153.62	2570395.78	60.6	1148153.62
5/19/2021	3:35:00 PM	Location #3	851138.04	3019951.72	59.3	851138.04
5/19/2021	3:36:00 PM	Location #3	602559.59	2238721.14	57.8	602559.59
5/19/2021	3:37:00 PM	Location #3	912010.84	3548133.89	59.6	912010.84
5/19/2021	3:38:00 PM	Location #3	512861.38	2454708.92	57.1	512861.38
5/19/2021	3:39:00 PM	Location #3	1348962.88	12882495.52	61.3	1348962.88
5/19/2021	3:40:00 PM		776247.12	3548133.89	58.9	776247.12
5/19/2021	3:41:00 PM		602559.59	1862087.14	57.8	602559.59
5/19/2021	3:42:00 PM		588843.66	2398832.92	57.7	588843.66
5/19/2021	3:43:00 PM		1318256.74	10471285.48	61.2	1318256.74
5/19/2021	3:44:00 PM		645654.23	2691534.80	58.1	645654.23
5/19/2021	3:45:00 PM		338844.16	933254.30	55.3	338844.16
5/19/2021	3:46:00 PM		478630.09	1862087.14	56.8	478630.09
5/19/2021	3:47:00 PM		1348962.88	5888436.55	61.3	1348962.88
5/19/2021	3:48:00 PM		524807.46	1905460.72	57.2	524807.46
5/19/2021	3:49:00 PM		524807.46	2884031.50	57.2	524807.46
5/19/2021	3:50:00 PM		1096478.20	4168693.83	60.4	1096478.20
5/19/2021	3:51:00 PM		1288249.55	6025595.86	61.1	1288249.55
5/19/2021	3:52:00 PM		346736.85	1148153.62	55.4	346736.85
5/19/2021	3:53:00 PM		933254.30	3090295.43	59.7	933254.30
5/19/2021	3:54:00 PM		1862087.14	6025595.86	62.7	1862087.14
5/19/2021	3:55:00 PM		1479108.39	3890451.45	61.7	1479108.39
5/19/2021	3:56:00 PM		776247.12	5128613.84	58.9	776247.12
5/19/2021	3:57:00 PM		691830.97	3715352.29	58.4	691830.97
5/19/2021	3:58:00 PM		1000000.00	3467368.50	60	1000000.00
5/19/2021	3:59:00 PM		851138.04	10232929.92	59.3	851138.04
5/19/2021	4:00:00 PM		891250.94	3890451.45	59.5	891250.94
5/19/2021	4:01:00 PM		1513561.25	8128305.16	61.8	1513561.25
5/19/2021	4:02:00 PM		602559.59	2951209.23	57.8	602559.59
5/19/2021	4:03:00 PM		630957.34	2951209.23	58	630957.34
5/19/2021	4:04:00 PM		1380384.26	7079457.84	61.4	1380384.26
5/19/2021	4:05:00 PM		954992.59	4365158.32	59.8	954992.59
5/19/2021	4:06:00 PM		891250.94	2691534.80	59.5	891250.94
5/19/2021	4:07:00 PM		707945.78	4265795.19	58.5	707945.78
5/19/2021	4:08:00 PM		870963.59	2951209.23	59.4	870963.59
5/19/2021	4:09:00 PM		1071519.31	3019951.72	60.3	1071519.31
5/19/2021	4:10:00 PM		831763.77	3019951.72	59.2	831763.77
5/19/2021	4:11:00 PM		1348962.88	3388441.56	61.3	1348962.88
5/19/2021	4:12:00 PM		1071519.31	3019951.72	60.3	1071519.31
5/19/2021	4:13:00 PM		812830.52	3548133.89	59.1	812830.52
5/19/2021	4:14:00 PM		1513561.25	6025595.86	61.8	1513561.25
5/19/2021	4:15:00 PM	Location #2	602559.59	2089296.13	57.8	602559.59
5/19/2021	4:16:00 PM	Location #2	741310.24	3235936.57	58.7	741310.24
5/19/2021	4:17:00 PM	Location #2	549540.87	2290867.65	57.4	549540.87
5/19/2021	4:18:00 PM	Location #2	489778.82	1548816.62	56.9	489778.82
5/19/2021	4:19:00 PM	Location #2	346736.85	870963.59	55.4	346736.85
5/19/2021	4:20:00 PM	Location #2	1258925.41	4365158.32	61	1258925.41
5/19/2021	4:21:00 PM	Location #2	794328.23	2818382.93	59	794328.23
5/19/2021	4:22:00 PM	Location #2	870963.59	3388441.56	59.4	870963.59
5/19/2021	4:23:00 PM	Location #2	1318256.74	6606934.48	61.2	1318256.74
5/19/2021	4:24:00 PM	Location #2	758577.58	4677351.41	58.8	758577.58
5/19/2021	4:25:00 PM	Location #2	1047128.55	2884031.50	60.2	1047128.55
5/19/2021	4:26:00 PM	Location #2	1096478.20	5495408.74	60.4	1096478.20
5/19/2021	4:27:00 PM	Location #2	831763.77	3235936.57	59.2	831763.77
5/19/2021	4:28:00 PM	Location #2	416869.38	1737800.83	56.2	416869.38
5/19/2021	4:29:00 PM	Location #2	436515.83	2187761.62	56.4	436515.83
5/19/2021	4:30:00 PM	Location #2	1071519.31	2818382.93	60.3	1071519.31
5/19/2021	4:31:00 PM	Location #2	478630.09	1819700.86	56.8	478630.09
5/19/2021	4:32:00 PM	Location #2	870963.59	3467368.50	59.4	870963.59
5/19/2021	4:33:00 PM	Location #2	831763.77	2398832.92	59.2	831763.77
5/19/2021	4:34:00 PM	Location #2	281838.29	1023292.99	54.5	281838.29
5/19/2021	4:35:00 PM	Location #2	1148153.62	2951209.23	60.6	1148153.62
5/19/2021	4:36:00 PM	Location #2	363078.05	1548816.62	55.6	363078.05
5/19/2021	4:37:00 PM	Location #2	1000000.00	3981071.71	60	1000000.00
5/19/2021	4:38:00 PM	Location #2	524807.46	2691534.80	57.2	524807.46
5/19/2021	4:39:00 PM	Location #2	1023292.99	3235936.57	60.1	1023292.99
5/19/2021	4:40:00 PM	Location #2	645654.23	2137962.09	58.1	645654.23
5/19/2021	4:41:00 PM	Location #2	478630.09	1995262.31	56.8	478630.09
5/19/2021	4:42:00 PM	Location #2	870963.59	2089296.13	59.4	870963.59
5/19/2021	4:43:00 PM	Location #2	398107.17	1737800.83	56	398107.17
5/19/2021	4:44:00 PM	Location #2	933254.30	3311311.21	59.7	933254.30
5/19/2021	4:45:00 PM	Location #2	933254.30	3801893.96	59.7	933254.30
5/19/2021	4:46:00 PM	Location #2	741310.24	2344228.82	58.7	741310.24
5/19/2021	4:47:00 PM	Location #2	512861.38	1584893.19	57.1	512861.38
5/19/2021	4:48:00 PM	Location #2	831763.77	4073802.78	59.2	831763.77
5/19/2021	4:49:00 PM	Location #2	954992.59	3090295.43	59.8	954992.59
5/19/2021	4:50:00 PM	Location #2	537031.80	2137962.09	57.3	537031.80
5/19/2021	4:51:00 PM	Location #2	467735.14	1737800.83	56.7	467735.14
5/19/2021	4:52:00 PM	Location #2	891250.94	3388441.56	59.5	891250.94
5/19/2021	4:53:00 PM	Location #2	660693.45	2511886.43	58.2	660693.45
5/19/2021	4:54:00 PM	Location #2	457088.19	1230268.77	56.6	457088.19
5/19/2021	4:55:00 PM	Location #2	562341.33	1584893.19	57.5	562341.33
5/19/2021	4:56:00 PM	Location #2	812830.52	2398832.92	59.1	812830.52
5/19/2021	4:57:00 PM	Location #2	575439.94	1862087.14	57.6	575439.94
5/19/2021	4:58:00 PM	Location #2	380189.40	1288249.55	55.8	380189.40
5/19/2021	4:59:00 PM	Location #2	1202264.43	4168693.83	60.8	1202264.43
5/19/2021	5:00:00 PM	Location #2	549540.87	2137962.09	57.4	549540.87
5/19/2021	5:01:00 PM	Location #2	616595.00	2398832.92	57.9	616595.00
5/19/2021	5:02:00 PM	Location #2	812830.52	2089296.13	59.1	812830.52
5/19/2021	5:03:00 PM	Location #2	436515.83	1659586.91	56.4	436515.83
5/19/2021	5:04:00 PM	Location #2	588843.66	1621810.10	57.7	588843.66
5/19/2021	5:05:00 PM	Location #2	389045.14	954992.59	55.9	389045.14
5/19/2021	5:06:00 PM	Location #2	1230268.77	3630780.55	60.9	1230268.77
5/19/2021	5:07:00 PM	Location #2	1380384.26	5011872.34	61.4	1380384.26
5/19/2021	5:08:00 PM	Location #2	380189.40	1862087.14	55.8	380189.40
5/19/2021	5:09:00 PM	Location #2	741310.24	2344228.82	58.7	741310.24
5/19/2021	5:10:00 PM	Location #2	676082.98	2951209.23	58.3	676082.98

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2
	5:27:00	5:27:00		58.2	78.9	63.7	51.2	58.2	78.9	63.7	51.1
	5:28:00	5:28:00		59.9	79.2	64.4	52.4	59.9	79.1	64.3	52.3
	5:29:00	5:29:00		56.7	78.3	64.1	52.1	56.7	78.3	64.1	52
	5:30:00	5:30:00		59.8	83.2	65.1	53.6	59.8	83.2	65.1	53.6
	5:31:00	5:31:00		58.2	80.2	65.1	52	58.2	80.2	65.1	52
	5:32:00	5:32:00		57.3	78.1	63	53.4	57.3	78.1	63	53.4
	5:33:00	5:33:00		59.1	79.7	65.9	52.3	59	79.7	65.8	52.3
	5:34:00	5:34:00		56.2	75	62.9	52.7	56.2	74.9	62.8	52.7
	5:35:00	5:35:00		58.7	78.6	62.6	52.9	58.7	78.5	62.5	52.9
	5:36:00	5:36:00		54.4	73.8	59.6	52.2	54.4	73.8	59.6	52.2
	5:37:00	5:37:00		59.7	81.7	66.5	53	59.7	81.7	66.4	53
	5:38:00	5:38:00		56.9	79	63.2	53.4	56.9	79	63.2	53.3
	5:39:00	5:39:00		58.4	78.6	65.1	52.2	58.4	78.6	65	52.2
	5:40:00	5:40:00		59.7	78.4	65	52.3	59.7	78.4	65	52.3
	5:41:00	5:41:00		60.3	84.7	67.5	52.7	60.3	84.7	67.4	52.7
	5:42:00	5:42:00		59.4	78.5	64.1	53.8	59.3	78.5	64.1	53.8
	5:43:00	5:43:00		55	75.7	59.9	50.9	55	75.7	59.9	50.9
	5:44:00	5:44:00		59.1	80.6	64.9	52.6	59.1	80.6	64.8	52.6
	5:45:00	5:45:00		57.8	78.3	61.8	52.8	57.8	78.3	61.8	52.8
	5:46:00	5:46:00		59.3	80.4	64.9	52.8	59.3	80.4	64.8	52.8
	5:47:00	5:47:00		57.7	78.8	63.1	53	57.7	78.8	63.1	53
	5:48:00	5:48:00		58.8	78.3	64.1	53.5	58.8	78.3	64.1	53.5
	5:49:00	5:49:00		57.9	79.4	65.1	51.4	57.8	79.4	65.1	51.4
	5:50:00	5:50:00		56.7	79.1	63.2	51.8	56.7	79.1	63.2	51.7
	5:51:00	5:51:00		59	77.7	62.9	52.1	59	77.6	62.9	52.1
	5:52:00	5:52:00		54.6	75.5	62.2	50.7	54.5	75.5	62.1	50.6
	5:53:00	5:53:00		56.6	78.2	63.4	51.6	56.6	78.2	63.4	51.6
	5:54:00	5:54:00		56.8	78.6	63.5	50.4	56.8	78.5	63.4	50.4
	5:55:00	5:55:00		55.3	76.2	60.4	51.3	55.3	76.2	60.4	51.3
	5:56:00	5:56:00		56.3	77.5	60.3	50.7	56.3	77.5	60.2	50.7
	5:57:00	5:57:00		58.9	78.4	64.9	52.4	58.9	78.4	64.9	52.3
	5:58:00	5:58:00		56.8	80	63.7	50.9	56.7	80	63.7	50.9
	5:59:00	5:59:00		53	74.7	59.5	48.4	53	74.7	59.5	48.4
	6:00:00	6:00:00		56.6	80	65	49.4	56.6	80	65	49.4
	6:01:00	6:01:00		55.7	80.9	61.4	48.4	55.7	80.9	61.4	48.3
	6:02:00	6:02:00		62.3	86	74.6	49.8	62.2	86	74.6	49.8
	6:03:00	6:03:00		56.3	77.2	60.9	50.4	56.3	77.1	60.9	50.4
	6:04:00	6:04:00		55.5	77.8	62.4	48.1	55.4	77.8	62.4	48.1
	6:05:00	6:05:00		54.3	78.6	62.2	47.8	54.3	78.5	62.2	47.8
	6:06:00	6:06:00		58.4	78	63	49.5	58.3	78	63	49.5
	6:07:00	6:07:00		51.9	74.2	59.1	48.2	51.9	74.1	59.1	48.1
	6:08:00	6:08:00		52	75.5	59.1	48.7	52	75.5	59.1	48.6
	6:09:00	6:09:00		55.7	78.7	63.4	49.1	55.7	78.7	63.4	49
	6:10:00	6:10:00		56.1	77.6	61.9	49.7	56.1	77.6	61.9	49.7
	6:11:00	6:11:00		54.4	77.1	62.7	49	54.3	77	62.6	49
	6:12:00	6:12:00		55.4	77.2	62.9	48.7	55.4	77.2	62.8	48.7
	6:13:00	6:13:00		54.3	75	59.8	50.6	54.3	75	59.8	50.6
	6:14:00	6:14:00		57.2	81	63.7	50.6	57.2	81	63.7	50.5
	6:15:00	6:15:00		56.4	82.6	64.9	52	56.4	82.5	64.9	52
	6:16:00	6:16:00		57.6	78.7	65.8	51.3	57.6	78.7	65.7	51.3
	6:17:00	6:17:00		57.7	80.8	65	50.7	57.7	80.8	65	50.7
	6:18:00	6:18:00		56.4	80.8	65.7	50.1	56.3	80.7	65.6	50
	6:19:00	6:19:00		57.5	79.2	64.1	50	57.5	79.2	64.1	49.9
	6:20:00	6:20:00		50.1	70	53.1	48.7	50	70	53	48.7
	6:21:00	6:21:00		61.4	82.4	68.4	50.4	61.3	82.4	68.4	50.4
	6:22:00	6:22:00		56.1	76.1	60.7	50.1	56.1	76.1	60.7	50
	6:23:00	6:23:00		53.1	77	62.4	48.3	53.1	77	62.3	48.3
	6:24:00	6:24:00		54.2	74.8	59.8	48.9	54.1	74.8	59.8	48.8
	6:25:00	6:25:00		54.3	78.8	63.4	49.4	54.3	78.8	63.4	49.4
	6:26:00	6:26:00		59.8	80.6	67.4	49.3	59.8	80.6	67.4	49.3
	6:27:00	6:27:00		52.6	75.8	59.5	49.6	52.6	75.8	59.4	49.6
	6:28:00	6:28:00		54.9	76	61.4	49.7	54.9	76	61.4	49.6
	6:29:00	6:29:00		56.9	84	66.2	49.1	56.9	84	66.2	49.1
	6:30:00	6:30:00		55.1	76.5	62.8	49.2	55.1	76.5	62.8	49.2
	6:31:00	6:31:00		59.7	77.7	64.9	49.6	59.7	77.7	64.9	49.6
	6:32:00	6:32:00		57.1	78.5	61.7	52.1	57.1	78.5	61.7	52
	6:33:00	6:33:00		55.6	76	62.1	50	55.6	76	62.1	50
	6:34:00	6:34:00		57.9	78.3	64.8	51	57.9	78.2	64.8	51
	6:35:00	6:35:00		58.2	82	67.2	51.3	58.1	82	67.1	51.2
	6:36:00	6:36:00		56.9	79.4	67	49.8	56.9	79.4	67	49.8
	6:37:00	6:37:00		55.2	76.9	63.3	49.6	55.2	76.8	63.2	49.6
	6:38:00	6:38:00		54.2	77.1	60.9	50.3	54.1	77.1	60.9	50.3
	6:39:00	6:39:00		56.8	77.4	63.3	51.1	56.8	77.4	63.3	51
	6:40:00	6:40:00		54.1	77	61.1	50.1	54	77	61.1	50.1
	6:41:00	6:41:00		56.3	78	61.2	50.3	56.3	78	61.2	50.2
	6:42:00	6:42:00		55.6	76	61.5	50.3	55.6	75.9	61.4	50.3
	6:43:00	6:43:00		55.9	76.2	60.7	49.5	55.9	76.1	60.7	49.5
	6:44:00	6:44:00		57.3	77.1	63.6	49.2	57.2	77.1	63.6	49.1
	6:45:00	6:45:00		54.4	75.5	63.4	48.1	54.4	75.5	63.4	48.1
	6:46:00	6:46:00		56.9	76.2	62	49.6	56.8	76.1	62	49.6
	6:47:00	6:47:00		55.2	76.8	62.1	48.2	55.2	76.7	62	48.1
	6:48:00	6:48:00		57	77.5	62.8	48.6	57	77.5	62.8	48.5
	6:49:00	6:49:00		53.5	74.2	60.3	47.9	53.5	74.2	60.3	47.8
	6:50:00	6:50:00		55.7	77.6	62.6	48.5	55.6	77.6	62.6	48.5
	6:51:00	6:51:00		57.7	76.8	63.5	49	57.7	76.8	63.4	49
	6:52:00	6:52:00		49	68.5	52.3	47.8	49	68.5	52.3	47.8
	6:53:00	6:53:00		57.9	79.8	64.7	48	57.9	79.8	64.7	48
	6:54:00	6:54:00		55	76	61.7	47.1	54.9	76	61.7	47.1
	6:55:00	6:55:00		56	80.3	64.7	47.7	55.9	80.3	64.7	47.7
	6:56:00	6:56:00		53.3	78.4	60.1	47.7	53.3	78.3	60.1	47.6
	6:57:00	6:57:00		56.1	75.7	62.1	48.7	56.1	75.7	62.1	48.6
	6:58:00	6:58:00		54.9	78.7	63.1	48.9	54.9	78.6	63	48.8
	6:59:00	6:59:00		57.7	79.1	63.8	48.6	57.7	79.1	63.8	48.6
	7:00:00	7:00:00		57	78.6	63.5	48.3	57	78.5	63.5	48.3
	7:01:00	7:01:00		53.1	77.2	62.1	48.1	53	77.1	62	48.1
	7:02:00	7:02:00		60.8	91.5	72.7	47.6	60.8	91.5	72.7	47.5
	7:03:00	7:03:00		52.2	77.7	59.7	48.3	52.2	77.6	59.7	48.3
	7:04:00	7:04:00		50.6	72.3	55	48.4	50.5	72.3	55	48.3
	7:05:00	7:05:00		51.1	69.1	55.4	48.8	51.1	69.1	55.3	48.7
	7:06:00	7:06:00		53.4	71.8	58.9	49	53.4	71.8	58.9	48.9
	7:07:00	7:07:00		51.8	72.2	57.4	49.6	51.8	72.1	57.4	49.5
	7:08:00	7:08:00		55.3	79.6	63.6	49.9	55.3	79.6	63.6	49.9
	7:09:00	7:09:00		52.8	77.2	61.2	48.9	52.7	77.2	61.2	48.9
	7:10:00	7:10:00		56.1	76.9	61.7	49.7	56.1	76.9	61.7	49.7
	7:11:00	7:11:00		58	80.7	67.3	48.8	57.9	80.6	67.3	48.8
	7:12:00	7:12:00		55.7	78.1	61.8	50.9	55.7	78.1	61.8	50.8
	7:13:00	7:13:00		56.6	81.4	63.5	50	56.6	81.4	63.5	50
	7:14:00	7:14:00		58.7	80	65	50.7	58.7	80	64.9	50.7
	7:15:00	7:15:00		52.2	72.3	58.1	49.6	52.2	72.3	58.1	49.6

Date	Time		$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/19/2021	5:11:00 PM	Location #2	660693.45	2344228.82	58.2	660693.45
5/19/2021	5:12:00 PM	Location #2	977237.22	2754228.70	59.9	977237.22
5/19/2021	5:13:00 PM	Location #2	467735.14	2570395.78	56.7	467735.14
5/19/2021	5:14:00 PM	Location #2	954992.59	3235936.57	59.8	954992.59
5/19/2021	5:15:00 PM	Location #2	660693.45	3235936.57	58.2	660693.45
5/19/2021	5:16:00 PM		537031.80	1995262.31	57.3	537031.80
5/19/2021	5:17:00 PM		812830.52	3890451.45	59.1	812830.52
5/19/2021	5:18:00 PM		416869.38	1949844.60	56.2	416869.38
5/19/2021	5:19:00 PM		741310.24	1819700.86	58.7	741310.24
5/19/2021	5:20:00 PM		275422.87	912010.84	54.4	275422.87
5/19/2021	5:21:00 PM		933254.30	4466835.92	59.7	933254.30
5/19/2021	5:22:00 PM		489778.82	2089296.13	56.9	489778.82
5/19/2021	5:23:00 PM		691830.97	3235936.57	58.4	691830.97
5/19/2021	5:24:00 PM		933254.30	3162277.66	59.7	933254.30
5/19/2021	5:25:00 PM		1071519.31	5623413.25	60.3	1071519.31
5/19/2021	5:26:00 PM		870963.59	2570395.78	59.4	870963.59
5/19/2021	5:27:00 PM		316227.77	977237.22	55	316227.77
5/19/2021	5:28:00 PM		812830.52	3090295.43	59.1	812830.52
5/19/2021	5:29:00 PM		602559.59	1513561.25	57.8	602559.59
5/19/2021	5:30:00 PM		851138.04	3090295.43	59.3	851138.04
5/19/2021	5:31:00 PM		588843.66	2041737.94	57.7	588843.66
5/19/2021	5:32:00 PM		758577.58	2570395.78	58.8	758577.58
5/19/2021	5:33:00 PM		616595.00	3235936.57	57.9	616595.00
5/19/2021	5:34:00 PM		467735.14	2089296.13	56.7	467735.14
5/19/2021	5:35:00 PM		794328.23	1949844.60	59	794328.23
5/19/2021	5:36:00 PM		288403.15	1659586.91	54.6	288403.15
5/19/2021	5:37:00 PM		457088.19	2187761.62	56.6	457088.19
5/19/2021	5:38:00 PM		478630.09	2238721.14	56.8	478630.09
5/19/2021	5:39:00 PM		338844.16	1096478.20	55.3	338844.16
5/19/2021	5:40:00 PM		426579.52	1071519.31	56.3	426579.52
5/19/2021	5:41:00 PM		776247.12	3090295.43	58.9	776247.12
5/19/2021	5:42:00 PM		478630.09	2344228.82	56.8	478630.09
5/19/2021	5:43:00 PM		199526.23	891250.94	53	199526.23
5/19/2021	5:44:00 PM		457088.19	3162277.66	56.6	457088.19
5/19/2021	5:45:00 PM		371535.23	1380384.26	55.7	371535.23
5/19/2021	5:46:00 PM		1698243.65	28840315.03	62.3	1698243.65
5/19/2021	5:47:00 PM		426579.52	1230268.77	56.3	426579.52
5/19/2021	5:48:00 PM		354813.39	1737800.83	55.5	354813.39
5/19/2021	5:49:00 PM		269153.48	1659586.91	54.3	269153.48
5/19/2021	5:50:00 PM		691830.97	1995262.31	58.4	691830.97
5/19/2021	5:51:00 PM		154881.66	812830.52	51.9	154881.66
5/19/2021	5:52:00 PM		158489.32	812830.52	52	158489.32
5/19/2021	5:53:00 PM		371535.23	2187761.62	55.7	371535.23
5/19/2021	5:54:00 PM		407380.28	1548816.62	56.1	407380.28
5/19/2021	5:55:00 PM		275422.87	1862087.14	54.4	275422.87
5/19/2021	5:56:00 PM		346736.85	1949844.60	55.4	346736.85
5/19/2021	5:57:00 PM		269153.48	954992.59	54.3	269153.48
5/19/2021	5:58:00 PM		524807.46	2344228.82	57.2	524807.46
5/19/2021	5:59:00 PM		436515.83	3090295.43	56.4	436515.83
5/19/2021	6:00:00 PM		575439.94	3801893.96	57.6	575439.94
5/19/2021	6:01:00 PM		588843.66	3162277.66	57.7	588843.66
5/19/2021	6:02:00 PM		436515.83	3715352.29	56.4	436515.83
5/19/2021	6:03:00 PM		562341.33	2570395.78	57.5	562341.33
5/19/2021	6:04:00 PM		102329.30	204173.79	50.1	102329.30
5/19/2021	6:05:00 PM		1380384.26	6918309.71	61.4	1380384.26
5/19/2021	6:06:00 PM		407380.28	1174897.55	56.1	407380.28
5/19/2021	6:07:00 PM		204173.79	1737800.83	53.1	204173.79
5/19/2021	6:08:00 PM		263026.80	954992.59	54.2	263026.80
5/19/2021	6:09:00 PM		269153.48	2187761.62	54.3	269153.48
5/19/2021	6:10:00 PM		954992.59	5495408.74	59.8	954992.59
5/19/2021	6:11:00 PM		181970.09	891250.94	52.6	181970.09
5/19/2021	6:12:00 PM		309029.54	1380384.26	54.9	309029.54
5/19/2021	6:13:00 PM		489778.82	4168693.83	56.9	489778.82
5/19/2021	6:14:00 PM		323593.66	1905460.72	55.1	323593.66
5/19/2021	6:15:00 PM		933254.30	3090295.43	59.7	933254.30
5/19/2021	6:16:00 PM		512861.38	1479108.39	57.1	512861.38
5/19/2021	6:17:00 PM		363078.05	1621810.10	55.6	363078.05
5/19/2021	6:18:00 PM		616595.00	3019951.72	57.9	616595.00
5/19/2021	6:19:00 PM		660693.45	5248074.60	58.2	660693.45
5/19/2021	6:20:00 PM		489778.82	5011872.34	56.9	489778.82
5/19/2021	6:21:00 PM		331131.12	2137962.09	55.2	331131.12
5/19/2021	6:22:00 PM		263026.80	1230268.77	54.2	263026.80
5/19/2021	6:23:00 PM		478630.09	2137962.09	56.8	478630.09
5/19/2021	6:24:00 PM		257039.58	1288249.55	54.1	257039.58
5/19/2021	6:25:00 PM		426579.52	1318256.74	56.3	426579.52
5/19/2021	6:26:00 PM		363078.05	1412537.54	55.6	363078.05
5/19/2021	6:27:00 PM		389045.14	1174897.55	55.9	389045.14
5/19/2021	6:28:00 PM		537031.80	2290867.65	57.3	537031.80
5/19/2021	6:29:00 PM		275422.87	2187761.62	54.4	275422.87
5/19/2021	6:30:00 PM		489778.82	1584893.19	56.9	489778.82
5/19/2021	6:31:00 PM		331131.12	1621810.10	55.2	331131.12
5/19/2021	6:32:00 PM		501187.23	1905460.72	57	501187.23
5/19/2021	6:33:00 PM		223872.11	1071519.31	53.5	223872.11
5/19/2021	6:34:00 PM		371535.23	1819700.86	55.7	371535.23
5/19/2021	6:35:00 PM		588843.66	2238721.14	57.7	588843.66
5/19/2021	6:36:00 PM		79432.82	169824.37	49	79432.82
5/19/2021	6:37:00 PM		616595.00	2951209.23	57.9	616595.00
5/19/2021	6:38:00 PM		316227.77	1479108.39	55	316227.77
5/19/2021	6:39:00 PM		398107.17	2951209.23	56	398107.17
5/19/2021	6:40:00 PM		213796.21	1023292.99	53.3	213796.21
5/19/2021	6:41:00 PM		407380.28	1621810.10	56.1	407380.28
5/19/2021	6:42:00 PM		309029.54	2041737.94	54.9	309029.54
5/19/2021	6:43:00 PM		588843.66	2398832.92	57.7	588843.66
5/19/2021	6:44:00 PM		501187.23	2238721.14	57	501187.23
5/19/2021	6:45:00 PM		204173.79	1621810.10	53.1	204173.79
5/19/2021	6:46:00 PM		1202264.43	18620871.37	60.8	1202264.43
5/19/2021	6:47:00 PM		165958.69	933254.30	52.2	165958.69
5/19/2021	6:48:00 PM		114815.36	316227.77	50.6	114815.36
5/19/2021	6:49:00 PM		128824.96	346736.85	51.1	128824.96
5/19/2021	6:50:00 PM		218776.16	776247.12	53.4	218776.16
5/19/2021	6:51:00 PM		151356.12	549540.87	51.8	151356.12
5/19/2021	6:52:00 PM		338844.16	2290867.65	55.3	338844.16
5/19/2021	6:53:00 PM		190546.07	1318256.74	52.8	190546.07
5/19/2021	6:54:00 PM		407380.28	1479108.39	56.1	407380.28
5/19/2021	6:55:00 PM		630957.34	5370317.96	58	630957.34
5/19/2021	6:56:00 PM		371535.23	1513561.25	55.7	371535.23
5/19/2021	6:57:00 PM		457088.19	2238721.14	56.6	457088.19
5/19/2021	6:58:00 PM		741310.24	3162277.66	58.7	741310.24
5/19/2021	6:59:00 PM		165958.69	645654.23	52.2	165958.69

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2	Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	7:16:00	7:16:00		55.2	78.2	61.7	49.8	55.2	78.2	61.7	49.8	5/19/2021	7:00:00 PM	331131.12	1479108.39	55.2	331131.12
	7:17:00	7:17:00		55.7	78.5	62.7	49	55.6	78.5	62.6	48.9	5/19/2021	7:01:00 PM	371535.23	1862087.14	55.7	371535.23
	7:18:00	7:18:00		50.1	70.9	56.3	47.9	50.1	70.9	56.3	47.8	5/19/2021	7:02:00 PM	102329.30	426579.52	50.1	102329.30
	7:19:00	7:19:00		55.9	78.5	62.1	48.8	55.9	78.4	62	48.8	5/19/2021	7:03:00 PM	389045.14	1621810.10	55.9	389045.14
	7:20:00	7:20:00		54	76.9	59.6	49.1	54	76.9	59.6	49	5/19/2021	7:04:00 PM	251188.64	912010.84	54	251188.64
	7:21:00	7:21:00		57.3	78.1	62.3	48.1	57.3	78.1	62.3	48.1	5/19/2021	7:05:00 PM	537031.80	1698243.65	57.3	537031.80
	7:22:00	7:22:00		51.8	80.3	61.9	47.1	51.8	80.3	61.9	47.1	5/19/2021	7:06:00 PM	151356.12	1548816.62	51.8	151356.12
	7:23:00	7:23:00		56.1	84.2	63.9	48.5	56.1	84.2	63.9	48.4	5/19/2021	7:07:00 PM	407380.28	2454708.92	56.1	407380.28
	7:24:00	7:24:00		53.3	79.4	63.1	47.3	53.3	79.3	63.1	47.2	5/19/2021	7:08:00 PM	213796.21	2041737.94	53.3	213796.21
	7:25:00	7:25:00		55.5	77.7	63.3	47.4	55.5	77.7	63.2	47.3	5/19/2021	7:09:00 PM	354813.39	2137962.09	55.5	354813.39
	7:26:00	7:26:00		53.6	77.7	61	47.3	53.5	77.6	61	47.2	5/19/2021	7:10:00 PM	229086.77	1258925.41	53.6	229086.77
	7:27:00	7:27:00		52.6	74.4	59	48.6	52.6	74.4	59	48.6	5/19/2021	7:11:00 PM	181970.09	794328.23	52.6	181970.09
	7:28:00	7:28:00		55.1	76.1	61.9	48.9	55	76	61.9	48.8	5/19/2021	7:12:00 PM	323593.66	1548816.62	55.1	323593.66
	7:29:00	7:29:00		55.7	79.2	65.2	48.9	55.7	79.2	65.2	48.8	5/19/2021	7:13:00 PM	371535.23	3311311.21	55.7	371535.23
	7:30:00	7:30:00		57.1	81.9	64.4	48.7	57	81.9	64.3	48.7	5/19/2021	7:14:00 PM	512861.38	2754228.70	57.1	512861.38
	7:31:00	7:31:00		57.9	81.4	65.7	49.3	57.9	81.4	65.7	49.3	5/19/2021	7:15:00 PM	616595.00	3715352.29	57.9	616595.00
	7:32:00	7:32:00		49.8	72.1	56.8	48	49.8	72.1	56.8	48	5/19/2021	7:16:00 PM	95499.26	478630.09	49.8	95499.26
	7:33:00	7:33:00		58.5	81.1	65.9	49.5	58.5	81.1	65.9	49.5	5/19/2021	7:17:00 PM	707945.78	3890451.45	58.5	707945.78
	7:34:00	7:34:00		48.6	64.8	51.7	47.3	48.6	64.8	51.6	47.2	5/19/2021	7:18:00 PM	72443.60	147910.84	48.6	72443.60
	7:35:00	7:35:00		56.7	76	62.3	47.8	56.6	76	62.3	47.8	5/19/2021	7:19:00 PM	467735.14	1698243.65	56.7	467735.14
	7:36:00	7:36:00		54.9	75.2	60.8	48.2	54.8	75.2	60.8	48.2	5/19/2021	7:20:00 PM	309029.54	1202264.43	54.9	309029.54
	7:37:00	7:37:00		51.2	74.2	58.4	45.7	51.2	74.2	58.4	45.6	5/19/2021	7:21:00 PM	131825.67	691830.97	51.2	131825.67
	7:38:00	7:38:00		46.7	60.6	47.7	45.8	46.7	60.6	47.7	45.8	5/19/2021	7:22:00 PM	46773.51	58884.37	46.7	46773.51
	7:39:00	7:39:00		50.8	75.3	59.9	46.1	50.7	75.3	59.9	46.1	5/19/2021	7:23:00 PM	120226.44	977237.22	50.8	120226.44
	7:40:00	7:40:00		51	73.1	59.5	47	51	73	59.5	47	5/19/2021	7:24:00 PM	125892.54	891250.94	51	125892.54
	7:41:00	7:41:00		53.2	75.9	61.2	46.7	53.2	75.8	61.1	46.7	5/19/2021	7:25:00 PM	208929.61	1318256.74	53.2	208929.61
	7:42:00	7:42:00		53.9	79.3	61.9	47.2	53.9	79.3	61.9	47.2	5/19/2021	7:26:00 PM	245470.89	1548816.62	53.9	245470.89
	7:43:00	7:43:00		56.6	79.2	64.7	46.8	56.6	79.2	64.7	46.7	5/19/2021	7:27:00 PM	457088.19	2951209.23	56.6	457088.19
	7:44:00	7:44:00		56.6	79.4	63.3	47.8	56.6	79.3	63.3	47.8	5/19/2021	7:28:00 PM	457088.19	2137962.09	56.6	457088.19
	7:45:00	7:45:00		50.3	78.4	59.9	47	50.2	78.4	59.8	46.9	5/19/2021	7:29:00 PM	107151.93	977237.22	50.3	107151.93
	7:46:00	7:46:00		47.5	61.3	48.3	46.4	47.5	61.3	48.3	46.4	5/19/2021	7:30:00 PM	56234.13	67608.30	47.5	56234.13
	7:47:00	7:47:00		46.5	63.2	48.5	45.3	46.5	63.2	48.5	45.3	5/19/2021	7:31:00 PM	44668.36	70794.58	46.5	44668.36
	7:48:00	7:48:00		56.8	77.9	63.2	47.7	56.8	77.9	63.1	47.7	5/19/2021	7:32:00 PM	478630.09	2089296.13	56.8	478630.09
	7:49:00	7:49:00		54.4	76.8	59.8	47.7	54.4	76.8	59.8	47.7	5/19/2021	7:33:00 PM	275422.87	954992.59	54.4	275422.87
	7:50:00	7:50:00		54.2	76.8	61.7	47.5	54.2	76.8	61.6	47.5	5/19/2021	7:34:00 PM	263026.80	1479108.39	54.2	263026.80
	7:51:00	7:51:00		53.8	74	61	47.6	53.8	74	60.9	47.6	5/19/2021	7:35:00 PM	239883.29	1258925.41	53.8	239883.29
	7:52:00	7:52:00		51.7	73.7	58.7	46.9	51.7	73.7	58.7	46.8	5/19/2021	7:36:00 PM	147910.84	741310.24	51.7	147910.84
	7:53:00	7:53:00		47.4	71.4	52.4	46.8	47.4	71.3	52.4	46.8	5/19/2021	7:37:00 PM	54954.09	173780.08	47.4	54954.09
	7:54:00	7:54:00		54.8	76.8	62.4	48.1	54.8	76.8	62.4	48	5/19/2021	7:38:00 PM	301995.17	1737800.83	54.8	301995.17
	7:55:00	7:55:00		61.1	81.4	66.2	49.6	61.1	81.4	66.2	49.6	5/19/2021	7:39:00 PM	1288249.55	4168693.83	61.1	1288249.55
	7:56:00	7:56:00		48.2	62.9	49.9	47	48.1	62.8	49.8	47	5/19/2021	7:40:00 PM	66069.34	97723.72	48.2	66069.34
	7:57:00	7:57:00		55	80.5	60.9	47	54.9	80.5	60.9	47	5/19/2021	7:41:00 PM	316227.77	1230268.77	55	316227.77
	7:58:00	7:58:00		51.3	73.4	58.4	47.5	51.2	73.4	58.4	47.5	5/19/2021	7:42:00 PM	134896.29	691830.97	51.3	134896.29
	7:59:00	7:59:00		56	81.3	65.7	48	56	81.3	65.6	48	5/19/2021	7:43:00 PM	398107.17	3715352.29	56	398107.17
	8:00:00	8:00:00		49.6	72.9	59.1	47.7	49.5	72.9	59.1	47.7	5/19/2021	7:44:00 PM	91201.08	812830.52	49.6	91201.08
	8:01:00	8:01:00		56.4	80.1	64.3	48	56.4	80	64.2	48	5/19/2021	7:45:00 PM	436515.83	2691534.80	56.4	436515.83
	8:02:00	8:02:00		55.3	77.1	62.8	48.7	55.3	77	62.8	48.7	5/19/2021	7:46:00 PM	338844.16	1905460.72	55.3	338844.16
	8:03:00	8:03:00		49	63.6	50.8	47.8	49	63.6	50.8	47.8	5/19/2021	7:47:00 PM	79432.82	120226.44	49	79432.82
	8:04:00	8:04:00		48.4	63.7	49.4	47.7	48.4	63.7	49.3	47.7	5/19/2021	7:48:00 PM	69183.10	87096.36	48.4	69183.10
	8:05:00	8:05:00		54.3	77.9	61.7	48.5	54.2	77.9	61.7	48.5	5/19/2021	7:49:00 PM	269153.48	1479108.39	54.3	269153.48
	8:06:00	8:06:00		48	63.6	49.4	47.1	48	63.6	49.4	47	5/19/2021	7:50:00 PM	63095.73	87096.36	48	63095.73
	8:07:00	8:07:00		47.7	62.1	49.1	46.7	47.7	62.2	49.1	46.6	5/19/2021	7:51:00 PM	58884.37	81283.05	47.7	58884.37
	8:08:00	8:08:00		57.4	77.7	64.7	49	57.4	77.7	64.7	49	5/19/2021	7:52:00 PM	549540.87	2951209.23	57.4	549540.87
	8:09:00	8:09:00		58.2	81.8	65.8	50.2	58.2	81.8	65.7	50.2	5/19/2021	7:53:00 PM	660693.45	3801893.96	58.2	660693.45
	8:10:00	8:10:00		50.6	75.9	58.1	49.5	50.6	75.8	58.1	49.5	5/19/2021	7:54:00 PM	114815.36	645654.23	50.6	114815.36
	8:11:00	8:11:00		54.5	78.1	61.7	49	54.4	78.1	61.6	49	5/19/2021	7:55:00 PM	281838.29	1479108.39	54.5	281838.29
	8:12:00	8:12:00		57	83.2	65.5	48.1	57	83.2	65.5	48.1	5/19/2021	7:56:00 PM	501187.23	3548133.89	57	501187.23
	8:13:00	8:13:00		49.7	77.5	59.4	47.1	49.7	77.4	59.4	47.1	5/19/2021	7:57:00 PM	93325.43	870963.59	49.7	93325.43
	8:14:00	8:14:00		52.8	76	59.5	47.2	52.8	76	59.5	47.1	5/19/2021	7:58:00 PM	190546.07	891250.94	52.8	190546.07
	8:15:00	8:15:00		54.3	77.4	61	48.7	54.3	77.4	61	48.6	5/19/2021	7:59:00 PM	269153.48	1258925.41	54.3	269153.48
	8:16:00	8:16:00		53.2	77.7	61.8	48.3	53.2	77.7	61.7	48.3	5/19/2021	8:00:00 PM	208929.61	1513561.25	53.2	208929.61
	8:17:00	8:17:00		49.7	73.1	59	47.5	49.7	73.1	59	47.5	5/19/2021	8:01:00 PM	93325.43	794328.23	49.7	93325.43
	8:18:00	8:18:00		59	84.2	65.2	48.9	59	84.2	65.2	48.9	5/19/2021	8:02:00 PM	794328.23	3311311.21	59	794328.23
	8:19:00	8:19:00		55.8	78.4	61.9	48.7	55.8	78.4	61.9	48.7	5/19/2021	8:03:00 PM	380189.40	1548816.62	55.8	380189.40
	8:20:00	8:20:00		48.8	62.2	51	47.7	48.8	62.1	51	47.7	5/19/2021	8:04:00 PM	75857.76	125892.54	48.8	75857.76
	8:21:00	8:21:00		51.9	75.5	59	48.3	51.9	75.5	58.9	48.3	5/19/2021	8:05:00 PM	154881.66	794328.23	51.9	154881.66
	8:22:00	8:22:00		57.4	79.9	64.6	47.6	57.4	79.9	64.6	47.6	5/19/2021	8:06:00 PM	549540.87	2884031.50	57.4	549540.87
	8:23:00	8:23:00		56.6	83.7	65.7	46.7	56.5	83.7	65.7	46.7	5/19/2021	8:07:00 PM	457088.19	3715352.29	56.6	457088.19
	8:24:00	8:24:00		53	79.6	64.9	46.2	53	79.6	64.9	46.1	5/19/2021	8:08:00 PM	199526.23	3090295.43	53	199526.23
	8:25:00	8:25:00		51.6	75.4	61.7	46.1	51.6	75.4	61.7	46.1	5/19/2021	8:09:00 PM	144543.98	1479108.39	51.6	144543.98
	8:26:00	8:26:00		58.3	77.7	64.1	49.3	58.3	77.7	64.1	49.3	5/19/2021	8:10:00 PM	676082.98	2570395.78	58.3	676082.98
	8:27:00	8:27:00		47.8	66	55.8	45.4	47.8	66	55.8	45.3	5/19/2021	8:11:00 PM	60255.96	380189.40	47.8	60255.96
	8:28:00	8:28:00		48.9	77.2	60.2	45.2	48.9	77.1	60.2	45.1	5/19/2021	8:12:00 PM	77624.71	1047128.55	48.9	77624.71
	8:29:00	8:29:00		55.5	77.5	61.4	46.1	55.5	77.5	61.4	46.1	5/19/2021	8:13:00 PM	354813.39	1380384.26	55.5	354813.39
	8:30:00	8:30:00		56.9	78.5	61.2	46.8	56.8	78.5	61.2	46.7	5/19/2021	8:14:00 PM	489778.82	1318256.74	56.9	489778.82
	8:31:00	8:31:00		48.8	68.8	57.2	44.6	48.8	68.8	57.1	44.6	5/19/2021	8:15:00 PM	75857.76	524807.46	48.8	75857.76
	8:32:00	8:32:00		54.7	74.6	61.5	45	54.7	74.6	61.5	44.9	5/19/2021	8:16:00 PM	295120.92	1412537.54	54.7	295120.92
	8:33:00	8:33:00		53.6	74.5	58.9	47.3	53.6	74.4	58.9	47.3	5/19/2021	8:17:00 PM	229086.77	776247.12	53.6	229086.77
	8:34:00	8:34:00		53.4	78.7	62.5	45	53.4	78.7	62.5	45	5/19/2021	8:18:00 PM	218776.16	1778279.41	53.4	218776.16
	8:35:00	8:35:00		51.1	71.7	57.7	46.1	51.1	71.7	57.7	46	5/19/2021	8:19:00 PM	128824.96	588843.66	51.1	128824.96
	8:36:00	8:36:00		57.2	82.6	66.6	47.1	57.2	82.6	66.6	47	5/19/2021	8:20:00 PM	524807.46	4570881.90	57.2	524807.46
	8:37:00	8:37:00		51.9	76.3	62.7	43.8	51.9	76.3	62.6	43.7	5/19/2021	8:21:00 PM	154881.66	1862087.14	51.9	154881.66
	8:38:00	8:38:00		51.9	76.7	58.8	44.6	51.9	76.6	58.7	44.6	5/19/2021	8:22:00 PM	154881.66	758577.58	51.9	154881.66
	8:39:00	8:39:00		53.1	75.6	60.2	44.7	53.1	75.5	60.2	44.6	5/19/2021	8:23:00 PM	204173.79	1047128.55	53.1	204173.79
	8:40:00	8:40:00		56.5	77.1	63.9	44.4	56.4	77.1	63.8	44.4	5/19/2021	8:24:00 PM	446683.59	2454708.92	56.5	446683.59
	8:41:00	8:41:00		50.6	74.7	60.3	44	50.6	74.6	60.2	44	5/19/2021	8:25:00 PM	114815.36	1071519.31	50.6	114815.36
	8:42:00	8:42:00		50.6	76.1	59.2	44.9	50.5	76.1	59.2	44.8	5/19/2021	8:26:00 PM	114815.36	831763.77	50.6	114815.36
	8:43:00	8:43:00		54.6	75.8	61	45.2	54.5	75.8	61	45.1	5/19/2021	8:27:00 PM	288403.15	1258925.41	54.6	288403.15
	8:44:00	8:44:00		46.4	64.5	51.2	45.3	46.4	64.5	51.2	45.3	5/19/2021	8:28:00 PM	43651.58	131825.67	46.4	43651.58
	8:45:00	8:45:00		53.4	75.5	59.5	44.6	53.4	75.5	59.5	44.6	5/19/2021	8:29:00 PM	218776.16	891250.94	53.4	218776.16
	8:46:00	8:46:00		49.3	78.2	58.8	44.1	49.3	78.2	58.8	44	5/19/2021	8:30:00 PM	85113.80	758577.58	49.3	85113.80
	8:47:00	8:47:00		48.8	70.8	55.5	45.4	48.7	70.8	55.5	45.3	5/19/2021	8:31:00 PM	75857.76	354813.39	48.8	75857.76
	8:48:00	8:48:00		52	72.3	58.6	45.7	51.9	72.3	58.5	45.7	5/19/2021	8:32:00 PM	158489.32	724435.96	52	158489.32
	8:49:00	8:49:00		52.4	73.5	59.7	45.1	52.4	73.5	59.7	45.1	5/19/2021	8:33:00 PM	173780.08	933254.30	52.4	173780.08
	8:50:00	8:50:00		54	75.5	61.7	45.5	54	75.5	61.7	45.5	5/19/2021	8:34:00 PM	251188.64	1479108.39	54	251188.64
	8:51:00	8:51:00		45.9	59.1	46.5	45.3	45.9	59.2	46.5	45.3	5/19/2021	8:35:00 PM	38904.51	44668.36	45.9	38904.51
	8:52:00	8:52:00		51	77.8	59.4	45.9	51	77.8	59.4	45.9	5/19/2021	8:36:00 PM	125892.54	870963.59	51	125892.54
	8:53:00	8:53:00		53.5	75.4	60.5	47.5	53.5	75.4	60.5	47.5	5/19/2021	8:37:00 PM	223872.11	1122018.45	53.5	223872.11
	8:54:00	8:54:00		51.3	75.2	60.1	45.3	51.3	75.2	60.1	45.2	5/19/2021	8:38:00 PM	134896.29	1023292.99	51.3	134896.29
	8:55:00	8:55:00		50	74.9	57.8	45.8	50	74.9	57.8	45.8	5/19/2021	8:39:00 PM	100000.00	602559.59	50	100000.00
	8:56:00	8:56:00		55.3	74.7	62	46.9	55.3	74.7	61.9	46.9	5/19/2021	8:40:00 PM	338844.16	1584893.19	55.3	338844.16
	8:57:00	8:57:00		52.9	76.8	62.8	47	52.9	76.8	62.8	46.9	5/19/2021	8:41:00 PM	194984.46	1905460.72	52.9	194984.46
	8:58:00	8:58:00		52.5	73	59.5	46.1	52.4	73	59.4	46	5/19/2021	8:42:00 PM	177827.94	891250.94	52.5	177827.94
	8:59:00	8:59:00		55	78.7	64	46	55	78.7	64	45.9	5/19/2021	8:43:00 PM	316227.77	2511886.43	55	316227.77
	9:00:00	9:00:00		54.5	77.2	61.1	46.2	54.5	77.2	61	46.2	5/19/2021	8:44:00 PM	281838.29	1288249.55	54.5	281838.29
	9:01:00	9:01:00		55	76.9	64.1	45.6	55	76.9	64	45.6	5/19/2021	8:45:00 PM	316227.77	2570395.78	55	316227.77
	9:02:00	9:02:00		51.4	71.8	57.4	46.2	51.4	71.7	57.4	46.2	5/19/2021	8:46:00 PM	138038.43	549540.87	51.4	138038.43
	9:03:00	9:03:00		57	77.2	63.4	46.6	57	77.2	63.4	46.6	5/19/2021	8:47:00 PM	501187.23	2187761.62	57	501187.23
	9:04:00	9:04:00		54.6	80.6	63.6	45.6	54.6	80.5	63.5	45.5	5/19/2021	8:48:00 PM	288403.15	2290867.65	54.6	288403.15

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2	Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	9:05:00	9:05:00		48.3	76.6	57.4	44.8	48.3	76.5	57.4	44.8	5/19/2021	8:49:00 PM	67608.30	549540.87	48.3	67608.30
	9:06:00	9:06:00		52.9	75.3	59.2	45.8	52.9	75.2	59.2	45.8	5/19/2021	8:50:00 PM	194984.46	831763.77	52.9	194984.46
	9:07:00	9:07:00		54.5	77	62.7	44.1	54.5	77	62.7	44.1	5/19/2021	8:51:00 PM	281838.29	1862087.14	54.5	281838.29
	9:08:00	9:08:00		50.6	73	58.6	44.1	50.6	73	58.6	44.1	5/19/2021	8:52:00 PM	114815.36	724435.96	50.6	114815.36
	9:09:00	9:09:00		52	74.8	61.6	43.9	52	74.8	61.6	43.9	5/19/2021	8:53:00 PM	158489.32	1445439.77	52	158489.32
	9:10:00	9:10:00		52.1	76.2	59.6	44.6	52.1	76.1	59.5	44.6	5/19/2021	8:54:00 PM	162181.01	912010.84	52.1	162181.01
	9:11:00	9:11:00		46	61.5	48.7	45.3	46	61.5	48.6	45.3	5/19/2021	8:55:00 PM	39810.72	74131.02	46	39810.72
	9:12:00	9:12:00		49.5	73.4	57.7	45	49.5	73.4	57.7	44.9	5/19/2021	8:56:00 PM	89125.09	588843.66	49.5	89125.09
	9:13:00	9:13:00		51.4	75.4	61	45	51.3	75.4	61	45	5/19/2021	8:57:00 PM	138038.43	1258925.41	51.4	138038.43
	9:14:00	9:14:00		50.2	74.3	58.4	44.1	50.1	74.3	58.4	44.1	5/19/2021	8:58:00 PM	104712.85	691830.97	50.2	104712.85
	9:15:00	9:15:00		55.5	78.7	65.4	43.8	55.5	78.7	65.4	43.8	5/19/2021	8:59:00 PM	354813.39	3467368.50	55.5	354813.39
	9:16:00	9:16:00		51.9	78.3	62.2	43.1	51.8	78.3	62.2	43.1	5/19/2021	9:00:00 PM	154881.66	1659586.91	51.9	154881.66
	9:17:00	9:17:00		51.7	75.1	59.3	44.6	51.6	75	59.2	44.6	5/19/2021	9:01:00 PM	147910.84	851138.04	51.7	147910.84
	9:18:00	9:18:00		52.1	77.5	61	43.6	52.1	77.5	61	43.5	5/19/2021	9:02:00 PM	162181.01	1258925.41	52.1	162181.01
	9:19:00	9:19:00		46.4	71.4	59.3	42.5	46.4	71.4	59.3	42.5	5/19/2021	9:03:00 PM	43651.58	851138.04	46.4	43651.58
	9:20:00	9:20:00		56.6	77.3	62.7	46.8	56.6	77.3	62.7	46.7	5/19/2021	9:04:00 PM	457088.19	1862087.14	56.6	457088.19
	9:21:00	9:21:00		45	67.2	49.7	42.2	45	67.2	49.7	42.2	5/19/2021	9:05:00 PM	31622.78	93325.43	45	31622.78
	9:22:00	9:22:00		51.6	74	59.4	43.1	51.6	74	59.3	43.1	5/19/2021	9:06:00 PM	144543.98	870963.59	51.6	144543.98
	9:23:00	9:23:00		50.9	75.6	59.7	42.9	50.8	75.6	59.6	42.9	5/19/2021	9:07:00 PM	123026.88	933254.30	50.9	123026.88
	9:24:00	9:24:00		49.2	74.5	58.4	43.6	49.2	74.4	58.3	43.6	5/19/2021	9:08:00 PM	83176.38	691830.97	49.2	83176.38
	9:25:00	9:25:00		50.5	77.2	58.8	43.3	50.5	77.2	58.8	43.3	5/19/2021	9:09:00 PM	112201.85	758577.58	50.5	112201.85
	9:26:00	9:26:00		49.8	75.8	58.7	44.9	49.8	75.8	58.7	44.9	5/19/2021	9:10:00 PM	95499.26	741310.24	49.8	95499.26
	9:27:00	9:27:00		51.2	75.5	60.2	43.9	51.2	75.5	60.2	43.8	5/19/2021	9:11:00 PM	131825.67	1047128.55	51.2	131825.67
	9:28:00	9:28:00		50.8	78	61.4	43.8	50.8	78	61.4	43.7	5/19/2021	9:12:00 PM	120226.44	1380384.26	50.8	120226.44
	9:29:00	9:29:00		53.9	76.4	63.4	44.8	53.8	76.3	63.4	44.8	5/19/2021	9:13:00 PM	245470.89	2187761.62	53.9	245470.89
	9:30:00	9:30:00		46.1	66.8	53	41.5	46	66.8	53	41.5	5/19/2021	9:14:00 PM	40738.03	199526.23	46.1	40738.03
	9:31:00	9:31:00		50.2	74.1	60.3	42.2	50.1	74.1	60.3	42.1	5/19/2021	9:15:00 PM	104712.85	1071519.31	50.2	104712.85
	9:32:00	9:32:00		43.1	69.7	46.9	42.4	43	69.7	46.9	42.4	5/19/2021	9:16:00 PM	20417.38	48977.88	43.1	20417.38
	9:33:00	9:33:00		44.4	72.8	51.8	42.3	44.4	72.8	51.8	42.3	5/19/2021	9:17:00 PM	27542.29	151356.12	44.4	27542.29
	9:34:00	9:34:00		49.9	74.3	57.9	43.1	49.9	74.2	57.9	43.1	5/19/2021	9:18:00 PM	97723.72	616595.00	49.9	97723.72
	9:35:00	9:35:00		50.2	73.9	59.3	42.3	50.2	73.8	59.3	42.3	5/19/2021	9:19:00 PM	104712.85	851138.04	50.2	104712.85
	9:36:00	9:36:00		54.1	80.1	61.4	43.6	54	80.1	61.4	43.6	5/19/2021	9:20:00 PM	257039.58	1380384.26	54.1	257039.58
	9:37:00	9:37:00		45.8	79.9	56.1	43.4	45.8	79.9	56.1	43.4	5/19/2021	9:21:00 PM	38018.94	407380.28	45.8	38018.94
	9:38:00	9:38:00		48.2	69.1	56.1	42.8	48.2	69.1	56	42.7	5/19/2021	9:22:00 PM	66069.34	407380.28	48.2	66069.34
	9:39:00	9:39:00		45.8	71.7	57.8	43.1	45.8	71.7	57.7	43	5/19/2021	9:23:00 PM	38018.94	602559.59	45.8	38018.94
	9:40:00	9:40:00		54.1	74.9	61.2	44.8	54.1	74.8	61.2	44.8	5/19/2021	9:24:00 PM	257039.58	1318256.74	54.1	257039.58
	9:41:00	9:41:00		54.7	82.9	61.3	44.6	54.7	82.8	61.3	44.6	5/19/2021	9:25:00 PM	295120.92	1348962.88	54.7	295120.92
	9:42:00	9:42:00		51.4	83.8	61.4	44.1	51.4	83.8	61.4	44.1	5/19/2021	9:26:00 PM	138038.43	1380384.26	51.4	138038.43
	9:43:00	9:43:00		51	77.8	58.9	44.3	51	77.7	58.9	44.3	5/19/2021	9:27:00 PM	125892.54	776247.12	51	125892.54
	9:44:00	9:44:00		56.6	77.8	63.4	44.3	56.5	77.8	63.4	44.2	5/19/2021	9:28:00 PM	457088.19	2187761.62	56.6	457088.19
	9:45:00	9:45:00		51.6	76.7	59.1	43.7	51.6	76.7	59	43.7	5/19/2021	9:29:00 PM	144543.98	812830.52	51.6	144543.98
	9:46:00	9:46:00		49.4	72.1	57.8	42.8	49.4	72.1	57.8	42.8	5/19/2021	9:30:00 PM	87096.36	602559.59	49.4	87096.36
	9:47:00	9:47:00		44	58.3	44.6	42.9	44	58.3	44.6	42.8	5/19/2021	9:31:00 PM	25118.86	28840.32	44	25118.86
	9:48:00	9:48:00		43.8	58.3	44.4	43.1	43.8	58.2	44.4	43.1	5/19/2021	9:32:00 PM	23988.33	27542.29	43.8	23988.33
	9:49:00	9:49:00		50.7	74.9	59.4	43.9	50.6	74.9	59.4	43.9	5/19/2021	9:33:00 PM	117489.76	870963.59	50.7	117489.76
	9:50:00	9:50:00		47.1	77.7	58.5	44.4	47.1	77.7	58.4	44.4	5/19/2021	9:34:00 PM	51286.14	707945.78	47.1	51286.14
	9:51:00	9:51:00		52.3	76.2	60.5	45.1	52.3	76.1	60.5	45.1	5/19/2021	9:35:00 PM	169824.37	1122018.45	52.3	169824.37
	9:52:00	9:52:00		52	74.5	58.1	45.2	52	74.5	58	45.1	5/19/2021	9:36:00 PM	158489.32	645654.23	52	158489.32
	9:53:00	9:53:00		55.7	79	62.2	45.1	55.7	79	62.2	45.1	5/19/2021	9:37:00 PM	371535.23	1659586.91	55.7	371535.23
	9:54:00	9:54:00		47.2	63.8	50.9	44.5	47.2	63.8	50.9	44.5	5/19/2021	9:38:00 PM	52480.75	123026.88	47.2	52480.75
	9:55:00	9:55:00		48	66.7	53.1	45.2	48	66.7	53.1	45.2	5/19/2021	9:39:00 PM	63095.73	204173.79	48	63095.73
	9:56:00	9:56:00		45.2	59.6	45.9	44.5	45.2	59.6	45.9	44.5	5/19/2021	9:40:00 PM	33113.11	38904.51	45.2	33113.11
	9:57:00	9:57:00		52	73.3	60.4	44.4	52	73.3	60.4	44.4	5/19/2021	9:41:00 PM	158489.32	1096478.20	52	158489.32
	9:58:00	9:58:00		48	69.3	54.4	44.5	47.9	69.3	54.4	44.5	5/19/2021	9:42:00 PM	63095.73	275422.87	48	63095.73
	9:59:00	9:59:00		55	81.7	68.6	44.5	54.9	81.7	68.6	44.4	5/19/2021	9:43:00 PM	316227.77	7244359.60	55	316227.77
	10:00:00	10:00:00		55.8	78.5	67.6	44	55.8	78.5	67.6	44	5/19/2021	9:44:00 PM	380189.40	5754399.37	55.8	380189.40
	10:01:00	10:01:00		51.7	83.7	60.7	43.8	51.7	83.7	60.7	43.8	5/19/2021	9:45:00 PM	147910.84	1174897.55	51.7	147910.84
	10:02:00	10:02:00		45.7	66	51.4	43.5	45.7	66	51.4	43.5	5/19/2021	9:46:00 PM	37153.52	138038.43	45.7	37153.52
	10:03:00	10:03:00		45.1	59.2	46	44.4	45.1	59.2	46	44.4	5/19/2021	9:47:00 PM	32359.37	39810.72	45.1	32359.37
	10:04:00	10:04:00		48.1	70.6	56.3	44.6	48.1	70.6	56.3	44.6	5/19/2021	9:48:00 PM	64565.42	426579.52	48.1	64565.42
	10:05:00	10:05:00		48.4	73.5	57.1	44.8	48.4	73.5	57.1	44.8	5/19/2021	9:49:00 PM	69183.10	512861.38	48.4	69183.10
	10:06:00	10:06:00		46.3	60.6	47.5	45.4	46.2	60.6	47.5	45.3	5/19/2021	9:50:00 PM	42657.95	56234.13	46.3	42657.95
	10:07:00	10:07:00		54.9	75.8	62	46.6	54.9	75.8	62	46.5	5/19/2021	9:51:00 PM	309029.54	1584893.19	54.9	309029.54
	10:08:00	10:08:00		52.1	72.7	59.3	45.7	52.1	72.7	59.3	45.7	5/19/2021	9:52:00 PM	162181.01	851138.04	52.1	162181.01
	10:09:00	10:09:00		53.3	75.8	59.9	45.4	53.3	75.7	59.9	45.4	5/19/2021	9:53:00 PM	213796.21	977237.22	53.3	213796.21
	10:10:00	10:10:00		47.6	83.7	62.8	44.1	47.6	83.7	62.8	44	5/19/2021	9:54:00 PM	57543.99	1905460.72	47.6	57543.99
	10:11:00	10:11:00		55.4	80.5	65.4	44.6	55.4	80.4	65.4	44.6	5/19/2021	9:55:00 PM	346736.85	3467368.50	55.4	346736.85
	10:12:00	10:12:00		52.8	80	62	45.7	52.7	80	62	45.6	5/19/2021	9:56:00 PM	190546.07	1584893.19	52.8	190546.07
	10:13:00	10:13:00		52.3	79.2	61.8	46.1	52.3	79.2	61.7	46.1	5/19/2021	9:57:00 PM	169824.37	1513561.25	52.3	169824.37
	10:14:00	10:14:00		47.8	75.3	51.9	46.4	47.7	75.3	51.9	46.4	5/19/2021	9:58:00 PM	60255.96	154881.66	47.8	60255.96
	10:15:00	10:15:00		52.3	76.8	62.7	46.8	52.2	76.8	62.6	46.8	5/19/2021	9:59:00 PM	169824.37	1862087.14	52.3	169824.37
	10:16:00	10:16:00		47.7	62.9	50.4	45.7	47.7	62.9	50.3	45.7	5/19/2021	10:00:00 PM	58884.37	109647.82	57.7	588843.66
	10:17:00	10:17:00		46.6	60.7	48.2	45.6	46.5	60.6	48.1	45.5	5/19/2021	10:01:00 PM	45708.82	66069.34	56.6	457088.19
	10:18:00	10:18:00		51.9	73.9	59.9	46.2	51.9	73.8	59.9	46.1	5/19/2021	10:02:00 PM	154881.66	977237.22	61.9	1548816.62
	10:19:00	10:19:00		46.2	60.6	48.7	45	46.1	60.6	48.7	45	5/19/2021	10:03:00 PM	41686.94	74131.02	56.2	416869.38
	10:20:00	10:20:00		46.5	74.1	54	44.9	46.5	74.1	54	44.9	5/19/2021	10:04:00 PM	44668.36	251188.64	56.5	446683.59
	10:21:00	10:21:00		46.1	60.1	46.8	45.3	46.1	59.9	46.8	45.2	5/19/2021	10:05:00 PM	40738.03	47863.01	56.1	407380.28
	10:22:00	10:22:00		50	70.8	56.1	45.4	50	70.7	56	45.4	5/19/2021	10:06:00 PM	100000.00	407380.28	60	1000000.00
	10:23:00	10:23:00		51.7	70.7	57	46.2	51.7	70.7	57	46.1	5/19/2021	10:07:00 PM	147910.84	501187.23	61.7	1479108.39
	10:24:00	10:24:00		47.2	73.6	53.7	45	47.2	73.5	53.7	45	5/19/2021	10:08:00 PM	52480.75	234422.88	57.2	524807.46
	10:25:00	10:25:00		45.7	63.8	47.2	45	45.7	63.8	47.2	44.9	5/19/2021	10:09:00 PM	37153.52	52480.75	55.7	371535.23
	10:26:00	10:26:00		54.9	77.1	63.4	45.4	54.9	77.1	63.4	45.3	5/19/2021	10:10:00 PM	309029.54	2187761.62	64.9	3090295.43
	10:27:00	10:27:00		45.3	63.9	47.6	43.6	45.3	63.9	47.5	43.6	5/19/2021	10:11:00 PM	33884.42	57543.99	55.3	338844.16
	10:28:00	10:28:00		45.3	63.8	49.1	43.9	45.3	63.8	49.1	43.8	5/19/2021	10:12:00 PM	33884.42	81283.05	55.3	338844.16
	10:29:00	10:29:00		57.2	81.3	64.7	43.8	57.1	81.3	64.7	43.8	5/19/2021	10:13:00 PM	524807.46	2951209.23	67.2	5248074.60
	10:30:00	10:30:00		54.1	78.3	62.7	44	54.1	78.2	62.6	44	5/19/2021	10:14:00 PM	257039.58	1862087.14	64.1	2570395.78
	10:31:00	10:31:00		52.2	76.6	60.5	43.5	52.1	76.6	60.5	43.5	5/19/2021	10:15:00 PM	165958.69	1122018.45	62.2	1659586.91
	10:32:00	10:32:00		50.7	73.7	58.5	44	50.7	73.7	58.5	43.9	5/19/2021	10:16:00 PM	117489.76	707945.78	60.7	1174897.55
	10:33:00	10:33:00		55.7	77.6	61.8	46	55.7	77.6	61.7	46	5/19/2021	10:17:00 PM	371535.23	1513561.25	65.7	3715352.29
	10:34:00	10:34:00		44.5	62.8	47.5	43.3	44.5	62.8	47.5	43.3	5/19/2021	10:18:00 PM	28183.83	56234.13	54.5	281838.29
	10:35:00	10:35:00		44.6	59.1	45.2	44	44.6	59.1	45.2	44	5/19/2021	10:19:00 PM	28840.32	33113.11	54.6	288403.15
	10:36:00	10:36:00		44.4	57.9	45.7	43.6	44.4	57.9	45.6	43.6	5/19/2021	10:20:00 PM	27542.29	37153.52	54.4	275422.87
	10:37:00	10:37:00		48.4	72.5	56.3	44.7	48.4	72.5	56.2	44.6	5/19/2021	10:21:00 PM	69183.10	426579.52	58.4	691830.97
	10:38:00	10:38:00		45.6	67.1	49.7	43.8	45.6	67.1	49.7	43.8	5/19/2021	10:22:00 PM	36307.81	93325.43	55.6	363078.05
	10:39:00	10:39:00		46.1	67.3	48.5	44.9	46.1	67.3	48.5	44.9	5/19/2021	10:23:00 PM	40738.03	70794.58	56.1	407380.28
	10:40:00	10:40:00		52.3	73	59.2	44.8	52.2	73	59.1	44.8	5/19/2021	10:24:00 PM	169824.37	831763.77	62.3	1698243.65
	10:41:00	10:41:00		44.5	68.6	47.7	43.8	44.4	68.6	47.6	43.7	5/19/2021	10:25:00 PM	28183.83	58884.37	54.5	281838.29
	10:42:00	10:42:00		49.9	76.6	58.3	44.2	49.8	76.6	58.2	44.2	5/19/2021	10:26:00 PM	97723.72	676082.98	59.9	977237.22
	10:43:00	10:43:00		46.8	67.7	51.3	45.2	46.7	67.7	51.3	45.1	5/19/2021	10:27:00 PM	47863.01	134896.29	56.8	478630.09
	10:44:00	10:44:00		52.1	79	61.6	46.3	52.1	79	61.6	46.2	5/19/2021	10:28:00 PM	162181.01	1445439.77	62.1	1621810.10
	10:45:00	10:45:00		55.6	79.8	63.8	46.9	55.6	79.8	63.8	46.9	5/19/2021	10:29:00 PM	363078.05	2398832.92	65.6	3630780.55
	10:46:00	10:46:00		52	76	61	45.3	52	76	61	45.2	5/19/2021	10:30:00 PM	158489.32	1258925.41	62	1584893.19
	10:47:00	10:47:00		58	78.7	66.1	45.5	58	78.6	66	45.4	5/19/2021	10:31:00 PM	630957.34	4073802.78	68	6309573.44
	10:48:00	10:48:00		56.1	81	66.3	44.3	56	81	66.3	44.3	5/19/2021	10:32:00 PM	407380.28	4265795.19	66.1	4073802.78
	10:49:00	10:49:00		44.8	59.1	45.5	44.2	44.7	59.1	45.5	44.2	5/19/2021	10:33:00 PM	30199.52	35481.34	54.8	301995.17
	10:50:00	10:50:00		54.4	77.5	64.6	44.7	54.4	77.5	64.5	44.7	5/19/2021	10:34:00 PM	275422.87	2884031.50	64.4	2754228.70
	10:51:00	10:51:00		45	58.4	45.9	44	45	58.3	45.9	44	5/19/2021	10:35:00 PM	31622.78	38904.51	55	316227.77
	10:52:00	10:52:00		50.8	71.9	58.8	45.5	50.8	71.8	58.8	45.5	5/19/2021	10:36:00 PM	120226.44	758577.58	60.8	1202264.43
	10:53:00	10:53:00		45.3	59.1	46.1	44.8	45.3	59	46.1	44.7	5/19/2021	10:37:00 PM	33884.42	40738.03	55.3	338844.16

	Study	Session	OL	L_{avg}	L_{pk}	L_{max}	L_{min}	L_{avg}	L_{pk}	L_{max}	L_{min}
Study	Time	Time	Status	Meter1	Meter1	Meter1	Meter1	Meter2	Meter2	Meter2	Meter2
	10:54:00	10:54:00		44.6	58.5	45.7	44	44.6	58.5	45.6	44
	10:55:00	10:55:00		48.3	72.1	55.8	44.6	48.3	72.1	55.7	44.6
	10:56:00	10:56:00		51.4	77.5	60.4	44.9	51.3	77.5	60.3	44.9
	10:57:00	10:57:00		50.3	82.3	62.9	45.3	50.3	82.2	62.9	45.3
	10:58:00	10:58:00		52.5	77.7	61.1	46.3	52.5	77.7	61	46.3
	10:59:00	10:59:00		57.1	83.2	65	46.1	57.1	83.2	64.9	46
	11:00:00	11:00:00		47	62.9	52.1	45.4	47	62.8	52.1	45.4
	11:01:00	11:01:00		52.9	76.2	58.7	45.5	52.9	76.2	58.7	45.5
	11:02:00	11:02:00		46.9	64.3	51.6	44.9	46.8	64.3	51.6	44.9
	11:03:00	11:03:00		53.8	77.9	61.4	45.7	53.8	77.9	61.4	45.7
	11:04:00	11:04:00		49.8	72.1	57.4	45.7	49.8	72.1	57.4	45.7
	11:05:00	11:05:00		50	74.4	58.2	45.9	50	74.4	58.2	45.8
	11:06:00	11:06:00		51.5	74	57.8	46.2	51.5	74	57.8	46.2
	11:07:00	11:07:00		47.3	73.8	50.1	45.8	47.3	73.8	50.1	45.8
	11:08:00	11:08:00		52.5	84	61.1	46.8	52.4	83.9	61.1	46.8
	11:09:00	11:09:00		55.8	82.7	65.5	45.8	55.7	82.7	65.4	45.8
	11:10:00	11:10:00		49	74.5	60.5	45.3	49	74.5	60.4	45.3
	11:11:00	11:11:00		51.1	73.8	60.1	45.4	51.1	73.8	60.1	45.3
	11:12:00	11:12:00		45.7	60.6	46.8	44.8	45.7	60.6	46.8	44.8
	11:13:00	11:13:00		46.6	60.5	47.4	45.7	46.6	60.5	47.3	45.7
	11:14:00	11:14:00		46.9	61.3	47.6	46.3	46.9	61.2	47.6	46.3
	11:15:00	11:15:00		48.4	76.6	56.4	46.3	48.4	76.6	56.4	46.3
	11:16:00	11:16:00		53.2	79.8	61.7	47	53.1	79.7	61.7	47
	11:17:00	11:17:00		53	81.9	60.9	48.5	53	81.9	60.9	48.5
	11:18:00	11:18:00		51.1	77.1	58.8	48.9	51.1	77.1	58.8	48.9
	11:19:00	11:19:00		54.1	75.9	60.1	49.8	54.1	75.9	60	49.7
	11:20:00	11:20:00		55.4	74.3	60.1	49.6	55.4	74.3	60.1	49.5
	11:21:00	11:21:00		54.5	83.2	63.8	49.8	54.5	83.2	63.8	49.8
	11:22:00	11:22:00		50.7	67.6	52.8	49.5	50.7	67.6	52.8	49.4
	11:23:00	11:23:00		52.9	86.3	64.6	49.8	52.9	86.3	64.6	49.7
	11:24:00	11:24:00		55.1	84.4	65.6	49.2	55	84.4	65.6	49.1
	11:25:00	11:25:00		50.6	78.7	62.1	48.7	50.6	78.7	62	48.7
	11:26:00	11:26:00		53.2	83	64.4	48.5	53.2	83	64.4	48.5
	11:27:00	11:27:00		57.3	86	67.7	49.8	57.3	86	67.7	49.7
	11:28:00	11:28:00		51.3	67.7	54.6	50.3	51.3	67.7	54.6	50.2
	11:29:00	11:29:00		52.1	80.2	60	50.1	52.1	80.2	59.9	50.1
	11:30:00	11:30:00		51.7	76	56.9	50.1	51.7	76	56.9	50.1
	11:31:00	11:31:00		54.2	82.6	62	50.3	54.2	82.6	62	50.3
	11:32:00	11:32:00		54.2	78	62.4	50.3	54.2	78	62.4	50.3
	11:33:00	11:33:00		51.3	65.6	52.7	50.3	51.3	65.6	52.7	50.3
	11:34:00	11:34:00		54.1	84	65	50.3	54.1	84	65	50.3
	11:35:00	11:35:00		54.1	75.8	61.9	50.2	54.1	75.8	61.9	50.2
	11:36:00	11:36:00		53.2	80	61.7	50	53.2	80	61.6	50
	11:37:00	11:37:00		52.1	78.9	57.8	50.4	52.1	78.9	57.8	50.4
	11:38:00	11:38:00		53	73.7	59.6	50.3	53	73.6	59.6	50.3
	11:39:00	11:39:00		55.9	81.3	62.8	51.4	55.9	81.3	62.8	51.3
	11:40:00	11:40:00		55.2	76.7	62.5	51.4	55.1	76.7	62.5	51.4
	11:41:00	11:41:00		52.9	79.7	58.7	51.5	52.9	79.7	58.7	51.4
	11:42:00	11:42:00		53.9	81.6	62.2	51.4	53.9	81.5	62.2	51.4
	11:43:00	11:43:00		52.5	68.7	54.8	51.4	52.5	68.7	54.8	51.4
	11:44:00	11:44:00		55.3	76.5	62.5	51.5	55.3	76.5	62.5	51.5
	11:45:00	11:45:00		56	79.4	65	51.6	55.9	79.4	64.9	51.6
	11:46:00	11:46:00		57.4	83.3	65	51.4	57.4	83.3	65	51.4
	11:47:00	11:47:00		52.8	66.5	58.4	51.9	52.8	66.5	58.4	51.8
	11:48:00	11:48:00		61.4	85.6	70	52.3	61.4	85.6	70	52.3
	11:49:00	11:49:00		58.4	84.5	67.9	52.3	58.4	84.5	67.9	52.3
	11:50:00	11:50:00		59.9	82.3	67.2	53.2	59.8	82.3	67.2	53.1
	11:51:00	11:51:00		55.7	80	62	53	55.7	79.9	62	53
	11:52:00	11:52:00		60.4	83.8	68	53.4	60.4	83.8	68	53.4
	11:53:00	11:53:00		60.8	84.3	68.5	54.1	60.7	84.3	68.5	54.1
	11:54:00	11:54:00		58.4	79.8	66	53	58.4	79.7	66	53
	11:55:00	11:55:00		57.8	85	68.2	53.3	57.8	84.9	68.2	53.3
	11:56:00	11:56:00		58.7	79.6	63	54	58.6	79.6	63	54
	11:57:00	11:57:00		55.8	78.8	63.3	52.3	55.8	78.8	63.3	52.2
	11:58:00	11:58:00		58.1	79.3	63.5	53.1	58.1	79.3	63.4	53.1
	11:59:00	11:59:00		55.7	78.4	61	53	55.7	78.4	61	53
	12:00:00	12:00:00		53.8	69.3	55.3	52.8	53.8	69.2	55.2	52.8
	12:01:00	12:01:00		54.9	78.9	61.8	52.7	54.9	78.9	61.8	52.7
	12:02:00	12:02:00		55.5	78.2	60.4	52.9	55.5	78.2	60.3	52.9
	12:03:00	12:03:00		54	79.9	61.8	52.9	54	79.9	61.7	52.9
	12:04:00	12:04:00		58.9	83.3	68.9	53.2	58.9	83.3	68.9	53.2
	12:05:00	12:05:00		58.4	82.3	65.5	53.7	58.3	82.3	65.4	53.7
	12:06:00	12:06:00		55.2	83.4	62.5	52.7	55.1	83.3	62.4	52.7
	12:07:00	12:07:00		54.5	80.3	63.6	52.8	54.5	80.3	63.6	52.8
	12:08:00	12:08:00		55.5	80.8	61.6	52.7	55.5	80.7	61.6	52.7
	12:09:00	12:09:00		56.5	81.9	63.2	52.2	56.5	81.8	63.2	52.2
	12:10:00	12:10:00		57.9	80.2	65.6	52.9	57.9	80.2	65.6	52.8
	12:11:00	12:11:00		57.5	79.2	63.6	52.7	57.5	79.2	63.6	52.7
	12:12:00	12:12:00		54.2	74	58.7	52.7	54.2	74	58.7	52.6
	12:13:00	12:13:00		54	75.9	58.4	52.5	54	75.9	58.4	52.5
	12:14:00	12:14:00		55.6	78.2	63.3	53	55.6	78.2	63.3	53
	12:15:00	12:15:00		54.4	77.4	60.6	52.2	54.4	77.4	60.6	52.2
	12:16:00	12:16:00		53.7	67.9	55.2	52.8	53.7	67.8	55.2	52.7
	12:17:00	12:17:00		55.1	78.9	61.7	53.1	55	78.9	61.7	53.1
	12:18:00	12:18:00		57	83	65.9	52.7	56.9	83	65.9	52.7
	12:19:00	12:19:00		55.7	81.6	64.2	52.9	55.7	81.6	64.2	52.9
	12:20:00	12:20:00		54.6	81.8	60.5	52.6	54.6	81.8	60.4	52.6
	12:21:00	12:21:00		56.8	82.6	64.8	53.1	56.8	82.6	64.7	53.1
	12:22:00	12:22:00		58.8	82.8	67.5	52	58.7	82.8	67.5	52
	12:23:00	12:23:00		58.2	86.4	65.4	52.7	58.2	86.3	65.4	52.7
	12:24:00	12:24:00		57	86	68.4	53.1	57	86	68.4	53.1
	12:25:00	12:25:00		56.3	81.5	66	53.4	56.3	81.5	66	53.3
	12:26:00	12:26:00		58.4	81.1	66.5	53.4	58.4	81.1	66.5	53.3
	12:27:00	12:27:00		54.2	76.9	57.5	53.2	54.2	76.8	57.5	53.1
	12:28:00	12:28:00		57.2	80.1	63.8	53.1	57.2	80	63.7	53.1
	12:29:00	12:29:00		57.4	78.4	64.3	53.5	57.4	78.3	64.3	53.5
	12:30:00	12:30:00		57.2	77.6	62.6	54	57.2	77.6	62.6	53.9
	12:31:00	12:31:00		57.5	85.1	68.6	52.8	57.5	85	68.6	52.7
	12:32:00	12:32:00		59.5	85.4	69.4	53.7	59.5	85.4	69.3	53.6
	12:33:00	12:33:00		58.4	81	65.4	53.2	58.4	80.9	65.4	53.1
	12:34:00	12:34:00		59.2	82.4	67.1	54.3	59.2	82.4	67.1	54.2
	12:35:00	12:35:00		58.3	81.3	64.9	53.7	58.3	81.3	64.9	53.7
	12:36:00	12:36:00		56.7	78.7	62.2	54.1	56.7	78.7	62.2	54.1
	12:37:00	12:37:00		54.3	69.1	55.5	53.3	54.3	69	55.5	53.3
	12:38:00	12:38:00		56.9	82.4	64.7	53.4	56.9	82.4	64.7	53.4
	12:39:00	12:39:00		55.7	73.5	60	53.1	55.7	73.4	59.9	53.1
	12:40:00	12:40:00		55.1	80.7	59.1	53.9	55.1	80.7	59.1	53.9
	12:41:00	12:41:00		57.2	79.1	62.1	53.9	57.2	79.1	62.1	53.8
	12:42:00	12:42:00		61.1	85.6	69.8	54.5	61	85.5	69.7	54.5

Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/19/2021	10:38:00 PM	28840.32	37153.52	54.6	288403.15
5/19/2021	10:39:00 PM	67608.30	380189.40	58.3	676082.98
5/19/2021	10:40:00 PM	138038.43	1096478.20	61.4	1380384.26
5/19/2021	10:41:00 PM	107151.93	1949844.60	60.3	1071519.31
5/19/2021	10:42:00 PM	177827.94	1288249.55	62.5	1778279.41
5/19/2021	10:43:00 PM	512861.38	3162277.66	67.1	5128613.84
5/19/2021	10:44:00 PM	50118.72	162181.01	57	501187.23
5/19/2021	10:45:00 PM	194984.46	741310.24	62.9	1949844.60
5/19/2021	10:46:00 PM	48977.88	144543.98	56.9	489778.82
5/19/2021	10:47:00 PM	239883.29	1380384.26	63.8	2398832.92
5/19/2021	10:48:00 PM	95499.26	549540.87	59.8	954992.59
5/19/2021	10:49:00 PM	100000.00	660693.45	60	1000000.00
5/19/2021	10:50:00 PM	141253.75	602559.59	61.5	1412537.54
5/19/2021	10:51:00 PM	53703.18	102329.30	57.3	537031.80
5/19/2021	10:52:00 PM	177827.94	1288249.55	62.5	1778279.41
5/19/2021	10:53:00 PM	380189.40	3548133.89	65.8	3801893.96
5/19/2021	10:54:00 PM	79432.82	1122018.45	59	794328.23
5/19/2021	10:55:00 PM	128824.96	1023292.99	61.1	1288249.55
5/19/2021	10:56:00 PM	37153.52	47863.01	55.7	371535.23
5/19/2021	10:57:00 PM	45708.82	54954.09	56.6	457088.19
5/19/2021	10:58:00 PM	48977.88	57543.99	56.9	489778.82
5/19/2021	10:59:00 PM	69183.10	436515.83	58.4	691830.97
5/19/2021	11:00:00 PM	208929.61	1479108.39	63.2	2089296.13
5/19/2021	11:01:00 PM	199526.23	1230268.77	63	1995262.31
5/19/2021	11:02:00 PM	128824.96	758577.58	61.1	1288249.55
5/19/2021	11:03:00 PM	257039.58	1023292.99	64.1	2570395.78
5/19/2021	11:04:00 PM	346736.85	1023292.99	65.4	3467368.50
5/19/2021	11:05:00 PM	281838.29	2398832.92	64.5	2818382.93
5/19/2021	11:06:00 PM	117489.76	190546.07	60.7	1174897.55
5/19/2021	11:07:00 PM	194984.46	2884031.50	62.9	1949844.60
5/19/2021	11:08:00 PM	323593.66	3630780.55	65.1	3235936.57
5/19/2021	11:09:00 PM	114815.36	1621810.10	60.6	1148153.62
5/19/2021	11:10:00 PM	208929.61	2754228.70	63.2	2089296.13
5/19/2021	11:11:00 PM	537031.80	5888436.55	67.3	5370317.96
5/19/2021	11:12:00 PM	134896.29	288403.15	61.3	1348962.88
5/19/2021	11:13:00 PM	162181.01	1000000.00	62.1	1621810.10
5/19/2021	11:14:00 PM	147910.84	489778.82	61.7	1479108.39
5/19/2021	11:15:00 PM	263026.80	1584893.19	64.2	2630267.99
5/19/2021	11:16:00 PM	263026.80	1737800.83	64.2	2630267.99
5/19/2021	11:17:00 PM	134896.29	186208.71	61.3	1348962.88
5/19/2021	11:18:00 PM	257039.58	3162277.66	64.1	2570395.78
5/19/2021	11:19:00 PM	257039.58	1548816.62	64.1	2570395.78
5/19/2021	11:20:00 PM	208929.61	1479108.39	63.2	2089296.13
5/19/2021	11:21:00 PM	162181.01	602559.59	62.1	1621810.10
5/19/2021	11:22:00 PM	199526.23	912010.84	63	1995262.31
5/19/2021	11:23:00 PM	389045.14	1905460.72	65.9	3890451.45
5/19/2021	11:24:00 PM	331131.12	1778279.41	65.2	3311311.21
5/19/2021	11:25:00 PM	194984.46	741310.24	62.9	1949844.60
5/19/2021	11:26:00 PM	245470.89	1659586.91	63.9	2454708.92
5/19/2021	11:27:00 PM	177827.94	301995.17	62.5	1778279.41
5/19/2021	11:28:00 PM	338844.16	1778279.41	65.3	3388441.56
5/19/2021	11:29:00 PM	398107.17	3162277.66	66	3981071.71
5/19/2021	11:30:00 PM	549540.87	3162277.66	67.4	5495408.74
5/19/2021	11:31:00 PM	190546.07	691830.97	62.8	1905460.72
5/19/2021	11:32:00 PM	1380384.26	10000000.00	71.4	13803842.65
5/19/2021	11:33:00 PM	691830.97	6165950.02	68.4	6918309.71
5/19/2021	11:34:00 PM	977237.22	5248074.60	69.9	9772372.21
5/19/2021	11:35:00 PM	371535.23	1584893.19	65.7	3715352.29
5/19/2021	11:36:00 PM	1096478.20	6309573.44	70.4	10964781.96
5/19/2021	11:37:00 PM	1202264.43	7079457.84	70.8	12022644.35
5/19/2021	11:38:00 PM	691830.97	3981071.71	68.4	6918309.71
5/19/2021	11:39:00 PM	602559.59	6606934.48	67.8	6025595.86
5/19/2021	11:40:00 PM	741310.24	1995262.31	68.7	7413102.41
5/19/2021	11:41:00 PM	380189.40	2137962.09	65.8	3801893.96
5/19/2021	11:42:00 PM	645654.23	2238721.14	68.1	6456542.29
5/19/2021	11:43:00 PM	371535.23	1258925.41	65.7	3715352.29
5/19/2021	11:44:00 PM	239883.29	338844.16	63.8	2398832.92
5/19/2021	11:45:00 PM	309029.54	1513561.25	64.9	3090295.43
5/19/2021	11:46:00 PM	354813.39	1096478.20	65.5	3548133.89
5/19/2021	11:47:00 PM	251188.64	1513561.25	64	2511886.43
5/19/2021	11:48:00 PM	776247.12	7762471.17	68.9	7762471.17
5/19/2021	11:49:00 PM	691830.97	3548133.89	68.4	6918309.71
5/19/2021	11:50:00 PM	331131.12	1778279.41	65.2	3311311.21
5/19/2021	11:51:00 PM	281838.29	2290867.65	64.5	2818382.93
5/19/2021	11:52:00 PM	354813.39	1445439.77	65.5	3548133.89
5/19/2021	11:53:00 PM	446683.59	2089296.13	66.5	4466835.92
5/19/2021	11:54:00 PM	616595.00	3630780.55	67.9	6165950.02
5/19/2021	11:55:00 PM	562341.33	2290867.65	67.5	5623413.25
5/19/2021	11:56:00 PM	263026.80	741310.24	64.2	2630267.99
5/19/2021	11:57:00 PM	251188.64	691830.97	64	2511886.43
5/19/2021	11:58:00 PM	363078.05	2137962.09	65.6	3630780.55
5/19/2021	11:59:00 PM	275422.87	1148153.62	64.4	2754228.70
5/20/2021	12:00:00 AM	234422.88	331131.12	63.7	2344228.82
5/20/2021	12:01:00 AM	323593.66	1479108.39	65.1	3235936.57
5/20/2021	12:02:00 AM	501187.23	3890451.45	67	5011872.34
5/20/2021	12:03:00 AM	371535.23	2630267.99	65.7	3715352.29
5/20/2021	12:04:00 AM	288403.15	1122018.45	64.6	2884031.50
5/20/2021	12:05:00 AM	478630.09	3019951.72	66.8	4786300.92
5/20/2021	12:06:00 AM	758577.58	5623413.25	68.8	7585775.75
5/20/2021	12:07:00 AM	660693.45	3467368.50	68.2	6606934.48
5/20/2021	12:08:00 AM	501187.23	6918309.71	67	5011872.34
5/20/2021	12:09:00 AM	426579.52	3981071.71	66.3	4265795.19
5/20/2021	12:10:00 AM	691830.97	4466835.92	68.4	6918309.71
5/20/2021	12:11:00 AM	263026.80	562341.33	64.2	2630267.99
5/20/2021	12:12:00 AM	524807.46	2398832.92	67.2	5248074.60
5/20/2021	12:13:00 AM	549540.87	2691534.80	67.4	5495408.74
5/20/2021	12:14:00 AM	524807.46	1819700.86	67.2	5248074.60
5/20/2021	12:15:00 AM	562341.33	7244359.60	67.5	5623413.25
5/20/2021	12:16:00 AM	891250.94	8709635.90	69.5	8912509.38
5/20/2021	12:17:00 AM	691830.97	3467368.50	68.4	6918309.71
5/20/2021	12:18:00 AM	831763.77	5128613.84	69.2	8317637.71
5/20/2021	12:19:00 AM	676082.98	3090295.43	68.3	6760829.75
5/20/2021	12:20:00 AM	467735.14	1659586.91	66.7	4677351.41
5/20/2021	12:21:00 AM	269153.48	354813.39	64.3	2691534.80
5/20/2021	12:22:00 AM	489778.82	2951209.23	66.9	4897788.19
5/20/2021	12:23:00 AM	371535.23	1000000.00	65.7	3715352.29
5/20/2021	12:24:00 AM	323593.66	812830.52	65.1	3235936.57
5/20/2021	12:25:00 AM	524807.46	1621810.10	67.2	5248074.60
5/20/2021	12:26:00 AM	1288249.55	9549925.86	71.1	12882495.52

	Study	Session	OL	L_{avg}	L_{pk}	L_{max}	L_{min}	L_{avg}	L_{pk}	L_{max}	L_{min}						
Study	Time	Time	Status	Meter1	Meter1	Meter1	Meter1	Meter2	Meter2	Meter2	Meter2	Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	12:43:00	12:43:00		61.7	86.7	71.3	53.7	61.7	86.7	71.3	53.6	5/20/2021	12:27:00 AM	1479108.39	13489628.83	71.7	14791083.88
	12:44:00	12:44:00		55.3	81.3	61.9	53	55.3	81.3	61.9	52.9	5/20/2021	12:28:00 AM	338844.16	1548816.62	65.3	3388441.56
	12:45:00	12:45:00		58.8	86	70.7	53.3	58.7	86	70.7	53.3	5/20/2021	12:29:00 AM	758577.58	11748975.55	68.8	7585775.75
	12:46:00	12:46:00		58.3	83	65.5	53.3	58.3	83	65.5	53.3	5/20/2021	12:30:00 AM	676082.98	3548133.89	68.3	6760829.75
	12:47:00	12:47:00		60	84.6	69.5	54.2	60	84.6	69.4	54.2	5/20/2021	12:31:00 AM	1000000.00	8912509.38	70	10000000.00
	12:48:00	12:48:00		58.6	85.5	67.8	52.8	58.5	85.4	67.7	52.8	5/20/2021	12:32:00 AM	724435.96	6025595.86	68.6	7244359.60
	12:49:00	12:49:00		55.7	79.8	62.8	52.8	55.7	79.8	62.8	52.7	5/20/2021	12:33:00 AM	371535.23	1905460.72	65.7	3715352.29
	12:50:00	12:50:00		57.9	85.2	65.8	53.3	57.9	85.1	65.7	53.3	5/20/2021	12:34:00 AM	616595.00	3801893.96	67.9	6165950.02
	12:51:00	12:51:00		60.8	87.7	71.8	53.3	60.7	87.7	71.8	53.3	5/20/2021	12:35:00 AM	1202264.43	15135612.48	70.8	12022644.35
	12:52:00	12:52:00		57.9	84.1	65.1	53.5	57.9	84.1	65.1	53.5	5/20/2021	12:36:00 AM	616595.00	3235936.57	67.9	6165950.02
	12:53:00	12:53:00		55	78.5	60.4	53.1	55	78.5	60.3	53.1	5/20/2021	12:37:00 AM	316227.77	1096478.20	65	3162277.66
	12:54:00	12:54:00		61.5	88.1	71.2	53.6	61.5	88	71.1	53.6	5/20/2021	12:38:00 AM	1412537.54	13182567.39	71.5	14125375.45
	12:55:00	12:55:00		57.4	83.9	68.5	52.5	57.4	83.8	68.5	52.5	5/20/2021	12:39:00 AM	549540.87	7079457.84	67.4	5495408.74
	12:56:00	12:56:00		54.7	78.6	59.9	52.8	54.7	78.6	59.8	52.8	5/20/2021	12:40:00 AM	295120.92	977237.22	64.7	2951209.23
	12:57:00	12:57:00		56.6	82.8	63.8	52.6	56.5	82.8	63.8	52.6	5/20/2021	12:41:00 AM	457088.19	2398832.92	66.6	4570881.90
	12:58:00	12:58:00		54.4	82.7	63.8	52.6	54.4	82.7	63.8	52.6	5/20/2021	12:42:00 AM	275422.87	2398832.92	64.4	2754228.70
	12:59:00	12:59:00		60.7	87.4	67.5	53.1	60.7	87.4	67.4	53.1	5/20/2021	12:43:00 AM	1174897.55	5623413.25	70.7	11748975.55
	13:00:00	13:00:00		61.9	86.1	69.3	53.4	61.9	86.1	69.2	53.4	5/20/2021	12:44:00 AM	1548816.62	8511380.38	71.9	15488166.19
	13:01:00	13:01:00		55.7	77.5	61.4	53	55.7	77.5	61.3	53	5/20/2021	12:45:00 AM	371535.23	1380384.26	65.7	3715352.29
	13:02:00	13:02:00		53.8	75	59.2	52.2	53.8	74.9	59.2	52.1	5/20/2021	12:46:00 AM	239883.29	831763.77	63.8	2398832.92
	13:03:00	13:03:00		54.4	79.5	60.3	52	54.4	79.4	60.3	52	5/20/2021	12:47:00 AM	275422.87	1071519.31	64.4	2754228.70
	13:04:00	13:04:00		55.2	77.6	60.7	51.6	55.1	77.6	60.7	51.6	5/20/2021	12:48:00 AM	331131.12	1174897.55	65.2	3311311.21
	13:05:00	13:05:00		56.7	80.9	65.8	52.4	56.6	80.8	65.8	52.4	5/20/2021	12:49:00 AM	467735.14	3801893.96	66.7	4677351.41
	13:06:00	13:06:00		60.6	87.5	68.8	53.1	60.6	87.5	68.8	53.1	5/20/2021	12:50:00 AM	1148153.62	7585775.75	70.6	11481536.21
	13:07:00	13:07:00		59.3	84.3	67.1	53.1	59.3	84.2	67.1	53.1	5/20/2021	12:51:00 AM	851138.04	5128613.84	69.3	8511380.38
	13:08:00	13:08:00		56.5	81.8	64.4	53.3	56.5	81.8	64.4	53.3	5/20/2021	12:52:00 AM	446683.59	2754228.70	66.5	4466835.92
	13:09:00	13:09:00		62.3	86.3	71.3	53.1	62.3	86.3	71.3	53.1	5/20/2021	12:53:00 AM	1698243.65	13489628.83	72.3	16982436.52
	13:10:00	13:10:00		61.7	87.6	71.6	53.7	61.6	87.6	71.6	53.7	5/20/2021	12:54:00 AM	1479108.39	14454397.71	71.7	14791083.88
	13:11:00	13:11:00		62.1	88.2	71.7	53.9	62	88.2	71.7	53.9	5/20/2021	12:55:00 AM	1621810.10	14791083.88	72.1	16218100.97
	13:12:00	13:12:00		55.6	78.8	68	52.1	55.6	78.8	67.9	52	5/20/2021	12:56:00 AM	363078.05	6309573.44	65.6	3630780.55
	13:13:00	13:13:00		57.7	82.9	66.2	51.3	57.6	82.9	66.1	51.3	5/20/2021	12:57:00 AM	588843.66	4168693.83	67.7	5888436.55
	13:14:00	13:14:00		56.5	85.3	65.7	51.3	56.5	85.3	65.6	51.3	5/20/2021	12:58:00 AM	446683.59	3715352.29	66.5	4466835.92
	13:15:00	13:15:00		60.7	88.9	70.3	51.7	60.7	88.8	70.3	51.7	5/20/2021	12:59:00 AM	1174897.55	10715193.05	70.7	11748975.55
	13:16:00	13:16:00		54.6	89.9	63.4	52.8	54.5	89.8	63.4	52.8	5/20/2021	1:00:00 AM	288403.15	2187761.62	64.6	2884031.50
	13:17:00	13:17:00		59.8	87.2	68.7	53.2	59.7	87.1	68.6	53.2	5/20/2021	1:01:00 AM	954992.59	7413102.41	69.8	9549925.86
	13:18:00	13:18:00		58	83.5	69.2	52.7	57.9	83.5	69.1	52.7	5/20/2021	1:02:00 AM	630957.34	8317637.71	68	6309573.44
	13:19:00	13:19:00		61.3	89.3	73.4	51.8	61.3	89.3	73.3	51.8	5/20/2021	1:03:00 AM	1348962.88	21877616.24	71.3	13489628.83
	13:20:00	13:20:00		52.9	66.8	54.5	51.9	52.9	66.8	54.5	51.8	5/20/2021	1:04:00 AM	194984.46	281838.29	62.9	1949844.60
	13:21:00	13:21:00		54	77.4	59.7	52.5	54	77.4	59.7	52.4	5/20/2021	1:05:00 AM	251188.64	933254.30	64	2511886.43
	13:22:00	13:22:00		53.8	83.4	61.7	51.3	53.7	83.3	61.7	51.3	5/20/2021	1:06:00 AM	239883.29	1479108.39	63.8	2398832.92
	13:23:00	13:23:00		55	80.2	63.8	52.1	54.9	80.2	63.8	52.1	5/20/2021	1:07:00 AM	316227.77	2398832.92	65	3162277.66
	13:24:00	13:24:00		56.9	81.9	65.4	52.2	56.9	81.9	65.4	52.1	5/20/2021	1:08:00 AM	489778.82	3467368.50	66.9	4897788.19
	13:25:00	13:25:00		54.1	79.4	56.4	52.7	54.1	79.4	56.3	52.7	5/20/2021	1:09:00 AM	257039.58	436515.83	64.1	2570395.78
	13:26:00	13:26:00		58	86.9	67.6	52.9	58	86.9	67.6	52.9	5/20/2021	1:10:00 AM	630957.34	5754399.37	68	6309573.44
	13:27:00	13:27:00		55.4	84.8	63.9	52.6	55.4	84.7	63.9	52.6	5/20/2021	1:11:00 AM	346736.85	2454708.92	65.4	3467368.50
	13:28:00	13:28:00		55.8	83.7	63.7	52.7	55.8	83.7	63.7	52.7	5/20/2021	1:12:00 AM	380189.40	2344228.82	65.8	3801893.96
	13:29:00	13:29:00		57.5	89.2	63.5	52	57.4	89.1	63.5	52	5/20/2021	1:13:00 AM	562341.33	2238721.14	67.5	5623413.25
	13:30:00	13:30:00		55.4	84.7	63.5	52.7	55.3	84.6	63.5	52.7	5/20/2021	1:14:00 AM	346736.85	2238721.14	65.4	3467368.50
	13:31:00	13:31:00		55.4	80.3	61.6	53	55.4	80.3	61.5	53	5/20/2021	1:15:00 AM	346736.85	1445439.77	65.4	3467368.50
	13:32:00	13:32:00		57.3	85.3	66.7	51.8	57.3	85.2	66.7	51.8	5/20/2021	1:16:00 AM	537031.80	4677351.41	67.3	5370317.96
	13:33:00	13:33:00		58.5	90.3	66.8	52.3	58.5	90.3	66.8	52.2	5/20/2021	1:17:00 AM	707945.78	4786300.92	68.5	7079457.84
	13:34:00	13:34:00		57.8	87.6	67.5	53.5	57.7	87.6	67.5	53.5	5/20/2021	1:18:00 AM	602559.59	5623413.25	67.8	6025595.86
	13:35:00	13:35:00		56.3	82.3	62.5	53.3	56.3	82.3	62.5	53.3	5/20/2021	1:19:00 AM	426579.52	1778279.41	66.3	4265795.19
	13:36:00	13:36:00		61.4	89	68.8	53.3	61.3	89	68.7	53.3	5/20/2021	1:20:00 AM	1380384.26	7585775.75	71.4	13803842.65
	13:37:00	13:37:00		60	84.7	67.2	53.9	60	84.6	67.2	53.9	5/20/2021	1:21:00 AM	1000000.00	5248074.60	70	10000000.00
	13:38:00	13:38:00		54.7	71.1	57.5	52.8	54.7	71.1	57.5	52.8	5/20/2021	1:22:00 AM	295120.92	562341.33	64.7	2951209.23
	13:39:00	13:39:00		55.8	91.7	63.9	51.7	55.8	91.7	63.9	51.6	5/20/2021	1:23:00 AM	380189.40	2454708.92	65.8	3801893.96
	13:40:00	13:40:00		53.8	68.8	55.3	52.8	53.8	68.8	55.3	52.8	5/20/2021	1:24:00 AM	239883.29	338844.16	63.8	2398832.92
	13:41:00	13:41:00		54	81.5	59.4	52.5	54	81.5	59.3	52.5	5/20/2021	1:25:00 AM	251188.64	870963.59	64	2511886.43
	13:42:00	13:42:00		54.5	76.9	60.5	52.2	54.5	76.8	60.5	52.2	5/20/2021	1:26:00 AM	281838.29	1122018.45	64.5	2818382.93
	13:43:00	13:43:00		53.7	67.5	54.7	52.6	53.7	67.5	54.7	52.6	5/20/2021	1:27:00 AM	234422.88	295120.92	63.7	2344228.82
	13:44:00	13:44:00		53.4	68.8	54.5	52.7	53.3	68.8	54.5	52.7	5/20/2021	1:28:00 AM	218776.16	281838.29	63.4	2187761.62
	13:45:00	13:45:00		56.2	87.3	63.3	52.4	56.2	87.3	63.3	52.3	5/20/2021	1:29:00 AM	416869.38	2137962.09	66.2	4168693.83
	13:46:00	13:46:00		63.4	89.4	70.8	52.8	63.3	89.3	70.8	52.7	5/20/2021	1:30:00 AM	2187761.62	12022644.35	73.4	21877616.24
	13:47:00	13:47:00		60.6	87.5	69.5	55.2	60.6	87.4	69.5	55.2	5/20/2021	1:31:00 AM	1148153.62	8912509.38	70.6	11481536.21
	13:48:00	13:48:00		59	87.7	67.4	53.3	59	87.7	67.4	53.3	5/20/2021	1:32:00 AM	794328.23	5495408.74	69	7943282.35
	13:49:00	13:49:00		60.7	87.4	67.4	52.1	60.7	87.4	67.3	52.1	5/20/2021	1:33:00 AM	1174897.55	5495408.74	70.7	11748975.55
	13:50:00	13:50:00		60.3	90.5	69.4	51.5	60.3	90.5	69.4	51.4	5/20/2021	1:34:00 AM	1071519.31	8709635.90	70.3	10715193.05
	13:51:00	13:51:00		53.9	80.3	59.5	51.9	53.8	80.3	59.5	51.9	5/20/2021	1:35:00 AM	245470.89	891250.94	63.9	2454708.92
	13:52:00	13:52:00		54.5	74.5	58.3	52.8	54.5	74.5	58.3	52.8	5/20/2021	1:36:00 AM	281838.29	676082.98	64.5	2818382.93
	13:53:00	13:53:00		53.4	72.3	59.1	51.5	53.3	72.3	59.1	51.4	5/20/2021	1:37:00 AM	218776.16	812830.52	63.4	2187761.62
	13:54:00	13:54:00		53.7	79.2	60.8	51.2	53.6	79.2	60.8	51.2	5/20/2021	1:38:00 AM	234422.88	1202264.43	63.7	2344228.82
	13:55:00	13:55:00		57.2	84.5	69.1	51.8	57.2	84.5	69.1	51.8	5/20/2021	1:39:00 AM	524807.46	8128305.16	67.2	5248074.60
	13:56:00	13:56:00		61.1	87.8	70.5	53.1	61.1	87.7	70.4	53.1	5/20/2021	1:40:00 AM	1288249.55	11220184.54	71.1	12882495.52
	13:57:00	13:57:00		54.9	90.6	63.6	52.5	54.9	90.6	63.5	52.4	5/20/2021	1:41:00 AM	309029.54	2290867.65	64.9	3090295.43
	13:58:00	13:58:00		60.1	89.3	70.3	52.3	60.1	89.2	70.2	52.3	5/20/2021	1:42:00 AM	1023292.99	10715193.05	70.1	10232929.92
	13:59:00	13:59:00		55.1	85.7	65.4	52	55.1	85.7	65.4	52	5/20/2021	1:43:00 AM	323593.66	3467368.50	65.1	3235936.57
	14:00:00	14:00:00		62	85.1	68.7	52.6	62	85.1	68.6	52.6	5/20/2021	1:44:00 AM	1584893.19	7413102.41	72	15848931.92
	14:01:00	14:01:00		62.8	86.5	68.1	54.9	62.8	86.4	68	54.9	5/20/2021	1:45:00 AM	1905460.72	6456542.29	72.8	19054607.18
	14:02:00	14:02:00		56.7	82.9	64.3	53.6	56.7	82.9	64.3	53.5	5/20/2021	1:46:00 AM	467735.14	2691534.80	66.7	4677351.41
	14:03:00	14:03:00		57.6	84.1	63.6	52.5	57.5	84.1	63.6	52.4	5/20/2021	1:47:00 AM	575439.94	2290867.65	67.6	5754399.37
	14:04:00	14:04:00		58.2	87.8	65.9	53.2	58.1	87.7	65.9	53.1	5/20/2021	1:48:00 AM	660693.45	3890451.45	68.2	6606934.48
	14:05:00	14:05:00		61.4	89	71.4	54.7	61.4	89	71.4	54.7	5/20/2021	1:49:00 AM	1380384.26	13803842.65	71.4	13803842.65
	14:06:00	14:06:00		55.3	90.7	64.8	53.1	55.3	90.7	64.8	53.1	5/20/2021	1:50:00 AM	338844.16	3019951.72	65.3	3388441.56
	14:07:00	14:07:00		61.5	89.8	71.3	52.5	61.5	89.8	71.3	52.5	5/20/2021	1:51:00 AM	1412537.54	13489628.83	71.5	14125375.45
	14:08:00	14:08:00		61.5	88	69.7	55.5	61.4	88	69.7	55.5	5/20/2021	1:52:00 AM	1412537.54	9332543.01	71.5	14125375.45
	14:09:00	14:09:00		58.4	87.4	66.7	53.1	58.4	87.4	66.7	53.1	5/20/2021	1:53:00 AM	691830.97	4677351.41	68.4	6918309.71
	14:10:00	14:10:00		57.5	86.1	65.5	53.1	57.5	86.1	65.5	53.1	5/20/2021	1:54:00 AM	562341.33	3548133.89	67.5	5623413.25
	14:11:00	14:11:00		58.9	90.1	69.5	53.4	58.8	90.1	69.5	53.4	5/20/2021	1:55:00 AM	776247.12	8912509.38	68.9	7762471.17
	14:12:00	14:12:00		57.4	83.8	66.3	53.9	57.4	83.8	66.2	53.9	5/20/2021	1:56:00 AM	549540.87	4265795.19	67.4	5495408.74
	14:13:00	14:13:00		59.6	88.5	69.7	53.1	59.6	88.5	69.6	53.1	5/20/2021	1:57:00 AM	912010.84	9332543.01	69.6	9120108.39
	14:14:00	14:14:00		63.6	85.4	69.4	55.3	63.5	85.3	69.4	55.2	5/20/2021	1:58:00 AM	2290867.65	8709635.90	73.6	22908676.53
	14:15:00	14:15:00		62	88.6	68.5	54.5	61.9	88.6	68.5	54.5	5/20/2021	1:59:00 AM	1584893.19	7079457.84	72	15848931.92
	14:16:00	14:16:00		58.6	86.3	64.5	53.7	58.6	86.3	64.4	53.6	5/20/2021	2:00:00 AM	724435.96	2818382.93	68.6	7244359.60
	14:17:00	14:17:00		60.3	84.4	67.2	53.6	60.3	84.4	67.2	53.6	5/20/2021	2:01:00 AM	1071519.31	5248074.60	70.3	10715193.05
	14:18:00	14:18:00		59.6	83.8	66.6	54.4	59.6	83.8	66.5	54.3	5/20/2021	2:02:00 AM	912010.84	4570881.90	69.6	9120108.39
	14:19:00	14:19:00		58.2	81.5	63.1	53.7	58.2	81.5	63	53.6	5/20/2021	2:03:00 AM	660693.45	2041737.94	68.2	6606934.48
	14:20:00	14:20:00		54.2	76.7	57.5	52.8	54.2	76.7	57.5	52.8	5/20/2021	2:04:00 AM	263026.80	562341.33	64.2	2630267.99
	14:21:00	14:21:00		61.1	89	70.8	52.7	61.1	89	70.8	52.7	5/20/2021	2:05:00 AM	1288249.55	12022644.35	71.1	12882495.52
	14:22:00	14:22:00		61.8	88.7	69.3	54.3	61.8	88.7	69.3	54.3	5/20/2021	2:06:00 AM	1513561.25	8511380.38	71.8	15135612.48
	14:23:00	14:23:00		58.7	88.8	70	53.1	58.7	88.8	70	53.1	5/20/2021	2:07:00 AM	741310.24	10000000.00	68.7	7413102.41
	14:24:00	14:24:00		57.5	82.3	62.2	53	57.5	82.3	62.2	52.9	5/20/2021	2:08:00 AM	562341.33	1659586.91	67.5	5623413.25
	14:25:00	14:25:00		64.5	86.2	69.7	53.7	64.5	86.1	69.7	53.7	5/20/2021	2:09:00 AM	2818382.93	9332543.01	74.5	28183829.31
	14:26:00	14:26:00	Overload	64.8	89.5	72.5	55.8	64.7	89.5	72.4	55.8	5/20/2021	2:10:00 AM	3019951.72	17782794.10	74.8	30199517.20
	14:27:00	14:27:00		56.4	80.9	62.9	53.5	56.4	80.9	62.8	53.5	5/20/2021	2:11:00 AM	436515.83	1949844.60	66.4	4365158.32
	14:28:00	14:28:00		60.4	88.1	67.4	52.6	60.3	88.1	67.3	52.6	5/20/2021	2:12:00 AM	1096478.20	5495408.74	70.4	10964781.96
	14:29:00	14:29:00		63.7	89.5	71.3	52.3	63.7	89.4	71.2	52.3	5/20/2021	2:13:00 AM	2344228.82	13489628.83	73.7	23442288.15
	14:30:00	14:30:00		63.9	87.3	71.2	55.7	63.9	87.2	71.1	55.7	5/20/2021	2:14:00 AM	2454708.92	13182567.39	73.9	24547089.16
	14:31:00	14:31:00	Overload	67.3	94.6	75.1	55.5	67.3	94.5	75	55.4	5/20/2021	2:15:00 AM	5370317.96	32359365.69	77.3	53703179.64

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2
	14:32:00	14:32:00		57	83	63.9	53.8	57	83	63.9	53.7
	14:33:00	14:33:00		62.4	85.9	68.6	55.5	62.4	85.9	68.5	55.4
	14:34:00	14:34:00	Overload	63.9	88	68.9	54.8	63.9	88	68.8	54.8
	14:35:00	14:35:00		58	87.7	66.9	53.2	58	87.7	66.9	53.1
	14:36:00	14:36:00		58.5	88.1	67.7	53.3	58.4	88.1	67.7	53.3
	14:37:00	14:37:00		58.4	90.1	66.3	53	58.4	90	66.3	53
	14:38:00	14:38:00		61.6	85.4	68.2	53.4	61.5	85.3	68.2	53.3
	14:39:00	14:39:00		64.3	90	69	55.4	64.3	90	68.9	55.4
	14:40:00	14:40:00		59.7	88.6	67.5	53.6	59.7	88.6	67.5	53.6
	14:41:00	14:41:00		58.5	89.5	66.7	53.4	58.5	89.4	66.7	53.4
	14:42:00	14:42:00		62.2	85.2	67.7	53.7	62.2	85.2	67.7	53.7
	14:43:00	14:43:00		64	90	70.7	56.1	63.9	90	70.7	56.1
	14:44:00	14:44:00		62.6	89.5	72.7	54.3	62.6	89.5	72.7	54.3
	14:45:00	14:45:00		61.6	85.4	68.7	55.8	61.6	85.4	68.7	55.8
	14:46:00	14:46:00		64.6	89.8	71.3	55.6	64.6	89.7	71.3	55.6
	14:47:00	14:47:00		56.9	84	65.1	53.9	56.9	84	65	53.9
	14:48:00	14:48:00		66.2	88.5	71.6	54.9	66.1	88.4	71.6	54.9
	14:49:00	14:49:00		63.6	89.8	71.8	56.2	63.6	89.8	71.7	56.2
	14:50:00	14:50:00		57.4	86.1	67.5	53.3	57.3	86.1	67.5	53.3
	14:51:00	14:51:00		58.6	83.2	67.1	52.7	58.6	83.2	67.1	52.7
	14:52:00	14:52:00	Overload	66.3	87.9	74	55.8	66.2	87.9	73.9	55.8
	14:53:00	14:53:00		62.8	86.2	71.6	54.6	62.8	86.2	71.6	54.6
	14:54:00	14:54:00		58.1	88.3	66.3	52.4	58	88.3	66.2	52.3
	14:55:00	14:55:00		62.4	88.2	67.4	53.2	62.4	88.2	67.3	53.2
	14:56:00	14:56:00		63.1	86.2	69.5	55.2	63.1	86.2	69.5	55.2
	14:57:00	14:57:00		59.8	83.9	66.3	54.7	59.8	83.9	66.3	54.7
	14:58:00	14:58:00		61.1	86.7	70.8	54	61.1	86.7	70.8	53.9
	14:59:00	14:59:00		62.3	87.2	68.6	55.1	62.2	87.2	68.6	55.1
	15:00:00	15:00:00		63.8	87.4	71.3	57	63.8	87.4	71.2	57
	15:01:00	15:01:00		55.6	77.4	59.8	53.9	55.5	77.4	59.8	53.8
	15:02:00	15:02:00		60.1	84	67.4	52.8	60.1	84	67.3	52.7
	15:03:00	15:03:00		58.6	81.1	65.2	53.1	58.5	81	65.2	53.1
	15:04:00	15:04:00		60.5	85.9	70.6	54.7	60.5	85.8	70.6	54.6
	15:05:00	15:05:00		63.6	87.6	70.3	55.4	63.6	87.6	70.3	55.3
	15:06:00	15:06:00		58.3	80.2	65.1	54.3	58.2	80.2	65	54.3
	15:07:00	15:07:00		62.6	86.5	69.7	53	62.6	86.5	69.7	52.9
	15:08:00	15:08:00		62.4	83.7	68	55.3	62.4	83.7	68	55.2
	15:09:00	15:09:00		61.4	87.6	71.7	54.9	61.4	87.5	71.7	54.8
	15:10:00	15:10:00		63.6	87.4	69.9	57.3	63.6	87.4	69.9	57.3
	15:11:00	15:11:00		62.2	87.2	70.2	53.3	62.2	87.1	70.2	53.3
	15:12:00	15:12:00		59.6	86.3	70.5	53.1	59.6	86.2	70.5	53.1
	15:13:00	15:13:00		58.8	89.6	67.8	53	58.8	89.5	67.8	53
	15:14:00	15:14:00		60.4	84.4	67.3	55.6	60.4	84.4	67.2	55.6
	15:15:00	15:15:00		62.1	88.9	68.9	56	62.1	88.9	68.9	56
	15:16:00	15:16:00		57.1	84.3	65.5	53.7	57.1	84.2	65.5	53.7
	15:17:00	15:17:00		61.9	86.3	68.5	53.1	61.8	86.3	68.5	53.1
	15:18:00	15:18:00		58.8	90	68.5	54	58.8	90	68.5	54
	15:19:00	15:19:00		55.4	83.5	63.9	52.2	55.4	83.5	63.8	52.2
	15:20:00	15:20:00		60.1	88.3	67.4	52.4	60.1	88.3	67.4	52.3
	15:21:00	15:21:00		62.1	88.9	70.7	53.5	62.1	88.9	70.7	53.5
	15:22:00	15:22:00		64.1	89.7	70.8	55.2	64	89.7	70.8	55.2
	15:23:00	15:23:00		61.6	84.3	68.1	55.8	61.5	84.3	68.1	55.8
	15:24:00	15:24:00		55.7	84.4	67.6	53.3	55.7	84.4	67.6	53.3
	15:25:00	15:25:00		63.5	88.7	70.8	54.4	63.4	88.7	70.7	54.4
	15:26:00	15:26:00		64.9	87.6	71.8	56.8	64.8	87.6	71.8	56.8
	15:27:00	15:27:00		60.2	86.8	68.9	53.5	60.2	86.8	68.9	53.5
	15:28:00	15:28:00		63.7	88.3	74.2	53.9	63.7	88.3	74.2	53.9
	15:29:00	15:29:00		59.5	85.2	73.2	54.2	59.5	85.2	73.1	54.1
	15:30:00	15:30:00		60.1	90	68.2	53.3	60.1	90	68.2	53.3
	15:31:00	15:31:00		60.9	88.5	70.3	53.1	60.9	88.5	70.3	53.1
	15:32:00	15:32:00		60.2	87	66.3	54.7	60.1	87	66.3	54.7
	15:33:00	15:33:00		60	85.1	67.5	54.4	60	85.1	67.5	54.4
	15:34:00	15:34:00		62.7	87.9	70.4	54.2	62.6	87.9	70.4	54.2
	15:35:00	15:35:00		63	84.3	68.8	54.8	63	84.2	68.7	54.8
	15:36:00	15:36:00		57.7	83.9	63.7	53.2	57.7	83.8	63.6	53.2
	15:37:00	15:37:00		59.9	81.9	65.2	54.4	59.9	81.9	65.2	54.4
	15:38:00	15:38:00	Overload	63.9	88.4	71.1	53.8	63.8	88.3	71.1	53.8
	15:39:00	15:39:00		61.2	83	67.9	54.9	61.2	83	67.9	54.9
	15:40:00	15:40:00		62.7	87.9	70	55.1	62.7	87.9	70	55.1
	15:41:00	15:41:00		60.4	85.5	68.5	54.6	60.3	85.5	68.5	54.6
	15:42:00	15:42:00		58.8	83.8	67.4	53.6	58.7	83.8	67.4	53.6
	15:43:00	15:43:00		63.5	88.6	72.4	54.8	63.4	88.5	72.4	54.8
	15:44:00	15:44:00		61.8	85.8	69.9	54.7	61.7	85.8	69.9	54.7
	15:45:00	15:45:00		60.6	85.1	66.7	54.3	60.6	85.1	66.7	54.3
	15:46:00	15:46:00		63.5	88.7	71	56	63.5	88.7	71	56
	15:47:00	15:47:00		60.3	84.8	70.1	54.7	60.2	84.7	70.1	54.7
	15:48:00	15:48:00		61.7	82.5	69.8	55.4	61.6	82.5	69.7	55.3
	15:49:00	15:49:00		60.9	85.9	67.9	54.2	60.9	85.9	67.9	54.2
	15:50:00	15:50:00		65.5	88.5	70.4	57.7	65.5	88.5	70.4	57.6
	15:51:00	15:51:00		61.1	88.3	70.3	53.5	61	88.2	70.3	53.4
	15:52:00	15:52:00		58.9	86.2	68	52.6	58.9	86.2	67.9	52.5
	15:53:00	15:53:00		58.6	88.9	65	53.2	58.6	88.9	65	53.1
	15:54:00	15:54:00		60.8	86.4	69.9	54.1	60.8	86.4	69.9	54.1
	15:55:00	15:55:00		57.1	85.2	65.1	54	57.1	85.2	65.1	54
	15:56:00	15:56:00		58.8	86.6	69	54.2	58.8	86.6	69	54.1
	15:57:00	15:57:00		63	88	72.2	56.1	63	88	72.2	56.1
	15:58:00	15:58:00		60.4	88.4	66.2	54.7	60.3	88.4	66.2	54.6
	15:59:00	15:59:00		58.9	87.3	68.1	53.4	58.8	87.3	68	53.3
	16:00:00	16:00:00		59.5	90.1	68.8	53.8	59.5	90.1	68.8	53.8
	16:01:00	16:01:00		60.4	88.7	67.7	53.6	60.4	88.7	67.7	53.5
	16:02:00	16:02:00		62.3	89.8	68.4	54.9	62.2	89.8	68.4	54.9
	16:03:00	16:03:00		59.4	86	68.2	53	59.4	86	68.2	52.9
	16:04:00	16:04:00		61.7	85.8	69	52.8	61.7	85.8	68.9	52.8
	16:05:00	16:05:00		60.9	86.9	66.9	53.7	60.9	86.9	66.9	53.7
	16:06:00	16:06:00		63.6	90.2	69.5	55.4	63.6	90.2	69.4	55.4
	16:07:00	16:07:00		60.6	85.3	68.5	55.1	60.5	85.2	68.5	55.1
	16:08:00	16:08:00		61.8	88.9	67.4	54.5	61.7	88.8	67.4	54.5
	16:09:00	16:09:00		58.8	88.2	67.7	52.7	58.8	88.2	67.7	52.7
	16:10:00	16:10:00		62.2	82.8	67.9	57.5	62.2	82.7	67.9	57.5
	16:11:00	16:11:00		58.7	79.5	63.2	54.8	58.6	79.5	63.2	54.7
	16:12:00	16:12:00		59.8	86.9	68.7	53.5	59.7	86.8	68.7	53.5
	16:13:00	16:13:00		59.6	84.6	65.5	52.8	59.6	84.6	65.4	52.7
	16:14:00	16:14:00		59.6	85.4	66.4	53.6	59.6	85.4	66.4	53.5
	16:15:00	16:15:00		59.1	86.7	67.7	53.6	59	86.7	67.7	53.5
	16:16:00	16:16:00		60.6	85.7	68.3	54.1	60.6	85.6	68.2	54.1
	16:17:00	16:17:00		59.1	87	67.7	53.8	59.1	86.9	67.7	53.8
	16:18:00	16:18:00		58.2	85.7	65.7	53.3	58.1	85.7	65.7	53.3
	16:19:00	16:19:00		59.7	85.1	65.6	55	59.7	85.1	65.6	54.9
	16:20:00	16:20:00		61.1	83.8	67	53.5	61.1	83.7	67	53.5

Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/20/2021	2:16:00 AM	501187.23	2454708.92	67	5011872.34
5/20/2021	2:17:00 AM	1737800.83	7244359.60	72.4	17378008.29
5/20/2021	2:18:00 AM	2454708.92	7762471.17	73.9	24547089.16
5/20/2021	2:19:00 AM	630957.34	4897788.19	68	6309573.44
5/20/2021	2:20:00 AM	707945.78	5888436.55	68.5	7079457.84
5/20/2021	2:21:00 AM	691830.97	4265795.19	68.4	6918309.71
5/20/2021	2:22:00 AM	1445439.77	6606934.48	71.6	14454397.71
5/20/2021	2:23:00 AM	2691534.80	7943282.35	74.3	26915348.04
5/20/2021	2:24:00 AM	933254.30	5623413.25	69.7	9332543.01
5/20/2021	2:25:00 AM	707945.78	4677351.41	68.5	7079457.84
5/20/2021	2:26:00 AM	1659586.91	5888436.55	72.2	16595869.07
5/20/2021	2:27:00 AM	2511886.43	11748975.55	74	25118864.32
5/20/2021	2:28:00 AM	1819700.86	18620871.37	72.6	18197008.59
5/20/2021	2:29:00 AM	1445439.77	7413102.41	71.6	14454397.71
5/20/2021	2:30:00 AM	2884031.50	13489628.83	74.6	28840315.03
5/20/2021	2:31:00 AM	489778.82	3235936.57	66.9	4897788.19
5/20/2021	2:32:00 AM	4168693.83	14454397.71	76.2	41686938.35
5/20/2021	2:33:00 AM	2290867.65	15135612.48	73.6	22908676.53
5/20/2021	2:34:00 AM	549540.87	5623413.25	67.4	5495408.74
5/20/2021	2:35:00 AM	724435.96	5128613.84	68.6	7244359.60
5/20/2021	2:36:00 AM	4265795.19	25118864.32	76.3	42657951.88
5/20/2021	2:37:00 AM	1905460.72	14454397.71	72.8	19054607.18
5/20/2021	2:38:00 AM	645654.23	4265795.19	68.1	6456542.29
5/20/2021	2:39:00 AM	1737800.83	5495408.74	72.4	17378008.29
5/20/2021	2:40:00 AM	2041737.94	8912509.38	73.1	20417379.45
5/20/2021	2:41:00 AM	954992.59	4265795.19	69.8	9549925.86
5/20/2021	2:42:00 AM	1288249.55	12022644.35	71.1	12882495.52
5/20/2021	2:43:00 AM	1698243.65	7244359.60	72.3	16982436.52
5/20/2021	2:44:00 AM	2398832.92	13489628.83	73.8	23988329.19
5/20/2021	2:45:00 AM	363078.05	954992.59	65.6	3630780.55
5/20/2021	2:46:00 AM	1023292.99	5495408.74	70.1	10232929.92
5/20/2021	2:47:00 AM	724435.96	3311311.21	68.6	7244359.60
5/20/2021	2:48:00 AM	1122018.45	11481536.21	70.5	11220184.54
5/20/2021	2:49:00 AM	2290867.65	10715193.05	73.6	22908676.53
5/20/2021	2:50:00 AM	676082.98	3235936.57	68.3	6760829.75
5/20/2021	2:51:00 AM	1819700.86	9332543.01	72.6	18197008.59
5/20/2021	2:52:00 AM	1737800.83	6309573.44	72.4	17378008.29
5/20/2021	2:53:00 AM	1380384.26	14791083.88	71.4	13803842.65
5/20/2021	2:54:00 AM	2290867.65	9772372.21	73.6	22908676.53
5/20/2021	2:55:00 AM	1659586.91	10471285.48	72.2	16595869.07
5/20/2021	2:56:00 AM	912010.84	11220184.54	69.6	9120108.39
5/20/2021	2:57:00 AM	758577.58	6025595.86	68.8	7585775.75
5/20/2021	2:58:00 AM	1096478.20	5370317.96	70.4	10964781.96
5/20/2021	2:59:00 AM	1621810.10	7762471.17	72.1	16218100.97
5/20/2021	3:00:00 AM	512861.38	3548133.89	67.1	5128613.84
5/20/2021	3:01:00 AM	1548816.62	7079457.84	71.9	15488166.19
5/20/2021	3:02:00 AM	758577.58	7079457.84	68.8	7585775.75
5/20/2021	3:03:00 AM	346736.85	2454708.92	65.4	3467368.50
5/20/2021	3:04:00 AM	1023292.99	5495408.74	70.1	10232929.92
5/20/2021	3:05:00 AM	1621810.10	11748975.55	72.1	16218100.97
5/20/2021	3:06:00 AM	2570395.78	12022644.35	74.1	25703957.83
5/20/2021	3:07:00 AM	1445439.77	6456542.29	71.6	14454397.71
5/20/2021	3:08:00 AM	371535.23	5754399.37	65.7	3715352.29
5/20/2021	3:09:00 AM	2238721.14	12022644.35	73.5	22387211.39
5/20/2021	3:10:00 AM	3090295.43	15135612.48	74.9	30902954.33
5/20/2021	3:11:00 AM	1047128.55	7762471.17	70.2	10471285.48
5/20/2021	3:12:00 AM	2344228.82	26302679.92	73.7	23442288.15
5/20/2021	3:13:00 AM	891250.94	20892961.31	69.5	8912509.38
5/20/2021	3:14:00 AM	1023292.99	6606934.48	70.1	10232929.92
5/20/2021	3:15:00 AM	1230268.77	10715193.05	70.9	12302687.71
5/20/2021	3:16:00 AM	1047128.55	4265795.19	70.2	10471285.48
5/20/2021	3:17:00 AM	1000000.00	5623413.25	70	10000000.00
5/20/2021	3:18:00 AM	1862087.14	10964781.96	72.7	18620871.37
5/20/2021	3:19:00 AM	1995262.31	7585775.75	73	19952623.15
5/20/2021	3:20:00 AM	588843.66	2344228.82	67.7	5888436.55
5/20/2021	3:21:00 AM	977237.22	3311311.21	69.9	9772372.21
5/20/2021	3:22:00 AM	2454708.92	12882495.52	73.9	24547089.16
5/20/2021	3:23:00 AM	1318256.74	6165950.02	71.2	13182567.39
5/20/2021	3:24:00 AM	1862087.14	10000000.00	72.7	18620871.37
5/20/2021	3:25:00 AM	1096478.20	7079457.84	70.4	10964781.96
5/20/2021	3:26:00 AM	758577.58	5495408.74	68.8	7585775.75
5/20/2021	3:27:00 AM	2238721.14	17378008.29	73.5	22387211.39
5/20/2021	3:28:00 AM	1513561.25	9772372.21	71.8	15135612.48
5/20/2021	3:29:00 AM	1148153.62	4677351.41	70.6	11481536.21
5/20/2021	3:30:00 AM	2238721.14	12589254.12	73.5	22387211.39
5/20/2021	3:31:00 AM	1071519.31	10232929.92	70.3	10715193.05
5/20/2021	3:32:00 AM	1479108.39	9549925.86	71.7	14791083.88
5/20/2021	3:33:00 AM	1230268.77	6165950.02	70.9	12302687.71
5/20/2021	3:34:00 AM	3548133.89	10964781.96	75.5	35481338.92
5/20/2021	3:35:00 AM	1288249.55	10715193.05	71.1	12882495.52
5/20/2021	3:36:00 AM	776247.12	6309573.44	68.9	7762471.17
5/20/2021	3:37:00 AM	724435.96	3162277.66	68.6	7244359.60
5/20/2021	3:38:00 AM	1202264.43	9772372.21	70.8	12022644.35
5/20/2021	3:39:00 AM	512861.38	3235936.57	67.1	5128613.84
5/20/2021	3:40:00 AM	758577.58	7943282.35	68.8	7585775.75
5/20/2021	3:41:00 AM	1995262.31	16595869.07	73	19952623.15
5/20/2021	3:42:00 AM	1096478.20	4168693.83	70.4	10964781.96
5/20/2021	3:43:00 AM	776247.12	6456542.29	68.9	7762471.17
5/20/2021	3:44:00 AM	891250.94	7585775.75	69.5	8912509.38
5/20/2021	3:45:00 AM	1096478.20	5888436.55	70.4	10964781.96
5/20/2021	3:46:00 AM	1698243.65	6918309.71	72.3	16982436.52
5/20/2021	3:47:00 AM	870963.59	6606934.48	69.4	8709635.90
5/20/2021	3:48:00 AM	1479108.39	7943282.35	71.7	14791083.88
5/20/2021	3:49:00 AM	1230268.77	4897788.19	70.9	12302687.71
5/20/2021	3:50:00 AM	2290867.65	8912509.38	73.6	22908676.53
5/20/2021	3:51:00 AM	1148153.62	7079457.84	70.6	11481536.21
5/20/2021	3:52:00 AM	1513561.25	5495408.74	71.8	15135612.48
5/20/2021	3:53:00 AM	758577.58	5888436.55	68.8	7585775.75
5/20/2021	3:54:00 AM	1659586.91	6165950.02	72.2	16595869.07
5/20/2021	3:55:00 AM	741310.24	2089296.13	68.7	7413102.41
5/20/2021	3:56:00 AM	954992.59	7413102.41	69.8	9549925.86
5/20/2021	3:57:00 AM	912010.84	3548133.89	69.6	9120108.39
5/20/2021	3:58:00 AM	912010.84	4365158.32	69.6	9120108.39
5/20/2021	3:59:00 AM	812830.52	5888436.55	69.1	8128305.16
5/20/2021	4:00:00 AM	1148153.62	6760829.75	70.6	11481536.21
5/20/2021	4:01:00 AM	812830.52	5888436.55	69.1	8128305.16
5/20/2021	4:02:00 AM	660693.45	3715352.29	68.2	6606934.48
5/20/2021	4:03:00 AM	933254.30	3630780.55	69.7	9332543.01
5/20/2021	4:04:00 AM	1288249.55	5011872.34	71.1	12882495.52

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2	Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	16:21:00	16:21:00		62.5	86.8	69.2	54	62.5	86.7	69.2	53.9	5/20/2021	4:05:00 AM	1778279.41	8317637.71	72.5	17782794.10
	16:22:00	16:22:00		63.3	87.9	69.8	57	63.2	87.8	69.7	57	5/20/2021	4:06:00 AM	2137962.09	9549925.86	73.3	21379620.90
	16:23:00	16:23:00		62.1	89	69	54.5	62.1	89	68.9	54.5	5/20/2021	4:07:00 AM	1621810.10	7943282.35	72.1	16218100.97
	16:24:00	16:24:00		61.6	85.6	68.3	53	61.6	85.6	68.3	53	5/20/2021	4:08:00 AM	1445439.77	6760829.75	71.6	14454397.71
	16:25:00	16:25:00		59.9	88.2	68.8	53	59.9	88.2	68.7	53	5/20/2021	4:09:00 AM	977237.22	7585775.75	69.9	9772372.21
	16:26:00	16:26:00		60.7	86.6	67.9	53.7	60.7	86.6	67.9	53.6	5/20/2021	4:10:00 AM	1174897.55	6165950.02	70.7	11748975.55
	16:27:00	16:27:00		58.7	89.6	69.5	51.5	58.7	89.6	69.5	51.5	5/20/2021	4:11:00 AM	741310.24	8912509.38	68.7	7413102.41
	16:28:00	16:28:00		65.4	87.7	70.7	57.1	65.4	87.7	70.7	57.1	5/20/2021	4:12:00 AM	3467368.50	11748975.55	75.4	34673685.05
	16:29:00	16:29:00		62.8	86.8	69.4	53.9	62.8	86.8	69.4	53.9	5/20/2021	4:13:00 AM	1905460.72	8709635.90	72.8	19054607.18
	16:30:00	16:30:00		60.8	87.8	70.9	53.8	60.7	87.8	70.9	53.8	5/20/2021	4:14:00 AM	1202264.43	12302687.71	70.8	12022644.35
	16:31:00	16:31:00		59.1	84.1	68.4	54.1	59.1	84.1	68.3	54.1	5/20/2021	4:15:00 AM	812830.52	6918309.71	69.1	8128305.16
	16:32:00	16:32:00		62.3	85.9	70.7	54.1	62.3	85.8	70.7	54.1	5/20/2021	4:16:00 AM	1698243.65	11748975.55	72.3	16982436.52
	16:33:00	16:33:00		58.8	85.9	66.6	53.2	58.8	85.8	66.6	53.1	5/20/2021	4:17:00 AM	758577.58	4570881.90	68.8	7585775.75
	16:34:00	16:34:00		61.3	87.6	67.7	54.9	61.3	87.6	67.7	54.9	5/20/2021	4:18:00 AM	1348962.88	5888436.55	71.3	13489628.83
	16:35:00	16:35:00		61.5	88	68.2	53.3	61.5	88	68.2	53.2	5/20/2021	4:19:00 AM	1412537.54	6606934.48	71.5	14125375.45
	16:36:00	16:36:00		63.8	87.2	70.3	54.3	63.8	87.1	70.2	54.3	5/20/2021	4:20:00 AM	2398832.92	10715193.05	73.8	23988329.19
	16:37:00	16:37:00		61.7	85	67.8	54.6	61.7	84.9	67.8	54.6	5/20/2021	4:21:00 AM	1479108.39	6025595.86	71.7	14791083.88
	16:38:00	16:38:00		55.8	79.5	62	52.5	55.8	79.5	61.9	52.5	5/20/2021	4:22:00 AM	380189.40	1584893.19	65.8	3801893.96
	16:39:00	16:39:00		60.8	83.8	66.5	53.8	60.7	83.8	66.5	53.8	5/20/2021	4:23:00 AM	1202264.43	4466835.92	70.8	12022644.35
	16:40:00	16:40:00		63.9	86.9	70.8	54.9	63.9	86.9	70.7	54.9	5/20/2021	4:24:00 AM	2454708.92	12022644.35	73.9	24547089.16
	16:41:00	16:41:00		57.1	81.6	64.1	53.2	57.1	81.6	64.1	53.2	5/20/2021	4:25:00 AM	512861.38	2570395.78	67.1	5128613.84
	16:42:00	16:42:00		62.9	87.1	69.8	54.2	62.9	87	69.8	54.2	5/20/2021	4:26:00 AM	1949844.60	9549925.86	72.9	19498446.00
	16:43:00	16:43:00		61.6	85	68.7	54.7	61.6	85	68.6	54.6	5/20/2021	4:27:00 AM	1445439.77	7413102.41	71.6	14454397.71
	16:44:00	16:44:00		62.3	87.9	71	54.1	62.2	87.9	71	54.1	5/20/2021	4:28:00 AM	1698243.65	12589254.12	72.3	16982436.52
	16:45:00	16:45:00		60.1	87.5	68.9	53.7	60.1	87.5	68.8	53.7	5/20/2021	4:29:00 AM	1023292.99	7762471.17	70.1	10232929.92
	16:46:00	16:46:00		58.6	87.2	66.5	53.8	58.6	87.1	66.4	53.8	5/20/2021	4:30:00 AM	724435.96	4466835.92	68.6	7244359.60
	16:47:00	16:47:00		57	86.1	66.4	52.1	57	86	66.4	52	5/20/2021	4:31:00 AM	501187.23	4365158.32	67	5011872.34
	16:48:00	16:48:00		62.1	86.5	69.5	53.1	62	86.4	69.5	53.1	5/20/2021	4:32:00 AM	1621810.10	8912509.38	72.1	16218100.97
	16:49:00	16:49:00		61.2	83.4	67.5	54.3	61.2	83.3	67.5	54.2	5/20/2021	4:33:00 AM	1318256.74	5623413.25	71.2	13182567.39
	16:50:00	16:50:00		64.1	86.1	70.4	54.9	64	86.1	70.4	54.8	5/20/2021	4:34:00 AM	2570395.78	10964781.96	74.1	25703957.83
	16:51:00	16:51:00		61.6	84.8	68.4	53.1	61.5	84.7	68.4	53.1	5/20/2021	4:35:00 AM	1445439.77	6918309.71	71.6	14454397.71
	16:52:00	16:52:00		62.3	85.5	70.9	53.1	62.3	85.5	70.9	53.1	5/20/2021	4:36:00 AM	1698243.65	12302687.71	72.3	16982436.52
	16:53:00	16:53:00		62.6	88.9	67.8	55.7	62.6	88.9	67.8	55.7	5/20/2021	4:37:00 AM	1819700.86	6025595.86	72.6	18197008.59
	16:54:00	16:54:00		60.3	85.9	67.2	54.6	60.2	85.8	67.2	54.6	5/20/2021	4:38:00 AM	1071519.31	5248074.60	70.3	10715193.05
	16:55:00	16:55:00		60.9	87.6	67.9	53.1	60.9	87.6	67.9	53.1	5/20/2021	4:39:00 AM	1230268.77	6165950.02	70.9	12302687.71
	16:56:00	16:56:00		62.2	85.8	68	54.1	62.2	85.8	68	54	5/20/2021	4:40:00 AM	1659586.91	6309573.44	72.2	16595869.07
	16:57:00	16:57:00		60.3	85.1	67.6	53.6	60.3	85	67.5	53.5	5/20/2021	4:41:00 AM	1071519.31	5754399.37	70.3	10715193.05
	16:58:00	16:58:00		60.4	89.6	67.2	54.7	60.4	89.5	67.2	54.7	5/20/2021	4:42:00 AM	1096478.20	5248074.60	70.4	10964781.96
	16:59:00	16:59:00		61	85.5	67.7	55	61	85.5	67.6	55	5/20/2021	4:43:00 AM	1258925.41	5888436.55	71	12589254.12
	17:00:00	17:00:00		61.8	87	67.5	54	61.8	87	67.5	54	5/20/2021	4:44:00 AM	1513561.25	5623413.25	71.8	15135612.48
	17:01:00	17:01:00		61.9	85.6	69.7	55.1	61.9	85.6	69.7	55.1	5/20/2021	4:45:00 AM	1548816.62	9332543.01	71.9	15488166.19
	17:02:00	17:02:00		59.8	84.4	67	54.4	59.8	84.4	67	54.4	5/20/2021	4:46:00 AM	954992.59	5011872.34	69.8	9549925.86
	17:03:00	17:03:00		56.7	79.2	62.4	53.3	56.7	79.1	62.3	53.3	5/20/2021	4:47:00 AM	467735.14	1737800.83	66.7	4677351.41
	17:04:00	17:04:00		59.3	82.6	67	54.5	59.2	82.5	67	54.5	5/20/2021	4:48:00 AM	851138.04	5011872.34	69.3	8511380.38
	17:05:00	17:05:00		60.9	83.6	67.6	53.3	60.9	83.6	67.6	53.3	5/20/2021	4:49:00 AM	1230268.77	5754399.37	70.9	12302687.71
	17:06:00	17:06:00		61.5	87.5	69.1	53	61.5	87.5	69.1	53	5/20/2021	4:50:00 AM	1412537.54	8128305.16	71.5	14125375.45
	17:07:00	17:07:00		59.2	87.4	67.5	52.8	59.2	87.4	67.5	52.8	5/20/2021	4:51:00 AM	831763.77	5623413.25	69.2	8317637.71
	17:08:00	17:08:00		57	83.3	62.9	52.9	57	83.2	62.8	52.9	5/20/2021	4:52:00 AM	501187.23	1949844.60	67	5011872.34
	17:09:00	17:09:00		59.1	87.2	66.4	53.9	59.1	87.1	66.3	53.9	5/20/2021	4:53:00 AM	812830.52	4365158.32	69.1	8128305.16
	17:10:00	17:10:00		63.7	87.6	69.8	54	63.6	87.6	69.7	54	5/20/2021	4:54:00 AM	2344228.82	9549925.86	73.7	23442288.15
	17:11:00	17:11:00		59.5	81.6	66.3	52.9	59.5	81.6	66.3	52.9	5/20/2021	4:55:00 AM	891250.94	4265795.19	69.5	8912509.38
	17:12:00	17:12:00		60.7	82.8	69.1	52.3	60.7	82.8	69	52.3	5/20/2021	4:56:00 AM	1174897.55	8128305.16	70.7	11748975.55
	17:13:00	17:13:00		57	78.9	64.2	51.9	57	78.9	64.2	51.9	5/20/2021	4:57:00 AM	501187.23	2630267.99	67	5011872.34
	17:14:00	17:14:00		58.3	78.7	65.3	52.5	58.3	78.7	65.3	52.5	5/20/2021	4:58:00 AM	676082.98	3388441.56	68.3	6760829.75
	17:15:00	17:15:00		56.1	78.9	61.9	52.3	56	78.9	61.8	52.2	5/20/2021	4:59:00 AM	407380.28	1548816.62	66.1	4073802.78
	17:16:00	17:16:00		59.1	87.8	67.2	52.8	59.1	87.8	67.2	52.7	5/20/2021	5:00:00 AM	812830.52	5248074.60	69.1	8128305.16
	17:17:00	17:17:00		55.9	77.9	64.4	50.9	55.9	77.9	64.3	50.9	5/20/2021	5:01:00 AM	389045.14	2754228.70	65.9	3890451.45
	17:18:00	17:18:00		56.7	88.2	65.1	51.7	56.7	88.2	65.1	51.7	5/20/2021	5:02:00 AM	467735.14	3235936.57	66.7	4677351.41
	17:19:00	17:19:00		61	83.7	69	52.6	61	83.6	69	52.6	5/20/2021	5:03:00 AM	1258925.41	7943282.35	71	12589254.12
	17:20:00	17:20:00		61.4	86.2	68.1	54.5	61.4	86.1	68	54.4	5/20/2021	5:04:00 AM	1380384.26	6456542.29	71.4	13803842.65
	17:21:00	17:21:00		58.9	84.5	65.5	51.9	58.9	84.5	65.5	51.8	5/20/2021	5:05:00 AM	776247.12	3548133.89	68.9	7762471.17
	17:22:00	17:22:00		58.6	85.3	67.4	52.2	58.6	85.3	67.4	52.2	5/20/2021	5:06:00 AM	724435.96	5495408.74	68.6	7244359.60
	17:23:00	17:23:00		59.7	87.6	66.1	53.2	59.7	87.6	66.1	53.2	5/20/2021	5:07:00 AM	933254.30	4073802.78	69.7	9332543.01
	17:24:00	17:24:00		60.7	84.5	66.5	54.2	60.7	84.4	66.4	54.2	5/20/2021	5:08:00 AM	1174897.55	4466835.92	70.7	11748975.55
	17:25:00	17:25:00		60.3	82.3	67.5	53.3	60.3	82.3	67.5	53.3	5/20/2021	5:09:00 AM	1071519.31	5623413.25	70.3	10715193.05
	17:26:00	17:26:00		58	79.7	64.7	53.4	57.9	79.6	64.6	53.3	5/20/2021	5:10:00 AM	630957.34	2951209.23	68	6309573.44
	17:27:00	17:27:00		59.8	86.3	69.8	52.7	59.7	86.3	69.7	52.7	5/20/2021	5:11:00 AM	954992.59	9549925.86	69.8	9549925.86
	17:28:00	17:28:00		59.1	81.3	65.9	53.6	59.1	81.3	65.9	53.5	5/20/2021	5:12:00 AM	812830.52	3890451.45	69.1	8128305.16
	17:29:00	17:29:00		55.6	79.1	62.1	52.8	55.5	79.1	62.1	52.8	5/20/2021	5:13:00 AM	363078.05	1621810.10	65.6	3630780.55
	17:30:00	17:30:00		56.7	83	63.7	52.3	56.6	83	63.7	52.3	5/20/2021	5:14:00 AM	467735.14	2344228.82	66.7	4677351.41
	17:31:00	17:31:00		58.2	87.3	67.9	53	58.2	87.3	67.8	52.9	5/20/2021	5:15:00 AM	660693.45	6165950.02	68.2	6606934.48
	17:32:00	17:32:00		62	85.9	69.4	52.9	62	85.9	69.3	52.9	5/20/2021	5:16:00 AM	1584893.19	8709635.90	72	15848931.92
	17:33:00	17:33:00		62.8	84.4	68.3	54.3	62.8	84.4	68.3	54.2	5/20/2021	5:17:00 AM	1905460.72	6760829.75	72.8	19054607.18
	17:34:00	17:34:00		60.6	83.5	67.1	54	60.6	83.5	67.1	54	5/20/2021	5:18:00 AM	1148153.62	5128613.84	70.6	11481536.21
	17:35:00	17:35:00		63	86.4	68.2	53.2	63	86.4	68.2	53.2	5/20/2021	5:19:00 AM	1995262.31	6606934.48	73	19952623.15
	17:36:00	17:36:00		59.2	80.7	64.4	53.8	59.2	80.7	64.3	53.8	5/20/2021	5:20:00 AM	831763.77	2754228.70	69.2	8317637.71
	17:37:00	17:37:00		61.3	83.7	68.7	54	61.3	83.6	68.6	54	5/20/2021	5:21:00 AM	1348962.88	7413102.41	71.3	13489628.83
	17:38:00	17:38:00		63	84.2	67.5	55.1	63	84.1	67.5	55	5/20/2021	5:22:00 AM	1995262.31	5623413.25	73	19952623.15
	17:39:00	17:39:00		59.4	81.2	65.8	52.6	59.4	81.2	65.7	52.5	5/20/2021	5:23:00 AM	870963.59	3801893.96	69.4	8709635.90
	17:40:00	17:40:00		60.1	83.4	66.3	53.1	60.1	83.3	66.3	53.1	5/20/2021	5:24:00 AM	1023292.99	4265795.19	70.1	10232929.92
	17:41:00	17:41:00		62.6	84.4	67	54.6	62.6	84.3	67	54.6	5/20/2021	5:25:00 AM	1819700.86	5011872.34	72.6	18197008.59
	17:42:00	17:42:00		65.4	87.8	72	54.8	65.4	87.8	72	54.8	5/20/2021	5:26:00 AM	3467368.50	15848931.92	75.4	34673685.05
	17:43:00	17:43:00		62.4	84.9	67.9	56.7	62.4	84.9	67.9	56.6	5/20/2021	5:27:00 AM	1737800.83	6165950.02	72.4	17378008.29
	17:44:00	17:44:00		60.6	82.2	67	53.1	60.5	82.2	67	53.1	5/20/2021	5:28:00 AM	1148153.62	5011872.34	70.6	11481536.21
	17:45:00	17:45:00		57	83.7	66.3	52.2	57	83.7	66.2	52.1	5/20/2021	5:29:00 AM	501187.23	4265795.19	67	5011872.34
	17:46:00	17:46:00		62.4	85.2	69	53.5	62.3	85.2	69	53.5	5/20/2021	5:30:00 AM	1737800.83	7943282.35	72.4	17378008.29
	17:47:00	17:47:00		62.8	89.8	73.3	53.4	62.8	89.8	73.2	53.4	5/20/2021	5:31:00 AM	1905460.72	21379620.90	72.8	19054607.18
	17:48:00	17:48:00		60.3	87.1	66.3	54.3	60.2	87	66.3	54.3	5/20/2021	5:32:00 AM	1071519.31	4265795.19	70.3	10715193.05
	17:49:00	17:49:00		58	82.3	64.1	54.3	58	82.3	64.1	54.3	5/20/2021	5:33:00 AM	630957.34	2570395.78	68	6309573.44
	17:50:00	17:50:00		60.5	80.7	67.4	52.6	60.5	80.7	67.4	52.6	5/20/2021	5:34:00 AM	1122018.45	5495408.74	70.5	11220184.54
	17:51:00	17:51:00		60.3	85.3	67.8	52.7	60.2	85.2	67.7	52.7	5/20/2021	5:35:00 AM	1071519.31	6025595.86	70.3	10715193.05
	17:52:00	17:52:00		56.4	78	61.8	52.4	56.4	78	61.7	52.4	5/20/2021	5:36:00 AM	436515.83	1513561.25	66.4	4365158.32
	17:53:00	17:53:00		61.9	88.5	67.8	55	61.9	88.4	67.8	55	5/20/2021	5:37:00 AM	1548816.62	6025595.86	71.9	15488166.19
	17:54:00	17:54:00		61.3	80.5	67.8	54.1	61.3	80.5	67.8	54.1	5/20/2021	5:38:00 AM	1348962.88	6025595.86	71.3	13489628.83
	17:55:00	17:55:00		59.7	81.5	66	53.3	59.6	81.5	66	53.3	5/20/2021	5:39:00 AM	933254.30	3981071.71	69.7	9332543.01
	17:56:00	17:56:00		62.9	85.8	69.1	56.3	62.8	85.7	69.1	56.3	5/20/2021	5:40:00 AM	1949844.60	8128305.16	72.9	19498446.00
	17:57:00	17:57:00		59.7	81.9	65.7	52.3	59.7	81.8	65.7	52.3	5/20/2021	5:41:00 AM	933254.30	3715352.29	69.7	9332543.01
	17:58:00	17:58:00		55.5	79.5	62.8	51.8	55.4	79.5	62.8	51.8	5/20/2021	5:42:00 AM	354813.39	1905460.72	65.5	3548133.89
	17:59:00	17:59:00		60	83	64.4	52.2	60	82.9	64.3	52.2	5/20/2021	5:43:00 AM	1000000.00	2754228.70	70	10000000.00
	18:00:00	18:00:00		60.9	83.6	65.1	54.6	60.9	83.6	65.1	54.6	5/20/2021	5:44:00 AM	1230268.77	3235936.57	70.9	12302687.71
	18:01:00	18:01:00		57.5	81.9	64.7	52.6	57.4	81.9	64.7	52.5	5/20/2021	5:45:00 AM	562341.33	2951209.23	67.5	5623413.25
	18:02:00	18:02:00		59.4	84.9	64.9	53.9	59.4	84.9	64.9	53.8	5/20/2021	5:46:00 AM	870963.59	3090295.43	69.4	8709635.90
	18:03:00	18:03:00		60.2	85.6	67.6	52.9	60.2	85.6	67.6	52.9	5/20/2021	5:47:00 AM	1047128.55	5754399.37	70.2	10471285.48
	18:04:00	18:04:00		61.5	88.5	65.9	54.3	61.4	88.5	65.9	54.3	5/20/2021	5:48:00 AM	1412537.54	3890451.45	71.5	14125375.45
	18:05:00	18:05:00		56.4	84.4	62.7	53.2	56.4	84.4	62.7	53.2	5/20/2021	5:49:00 AM	436515.83	1862087.14	66.4	4365158.32
	18:06:00	18:06:00		57.9	79.8	64.8	53.9	57.9	79.8	64.8	53.9	5/20/2021	5:50:00 AM	616595.00	3019951.72	67.9	6165950.02
	18:07:00	18:07:00		55.5	83.8	64.7	52.2	55.5	83.8	64.7	52.2	5/20/2021	5:51:00 AM	354813.39	2951209.23	65.5	3548133.89
	18:08:00	18:08:00		58.2	80.7	65.2	52.6	58.2	80.6	65.2	52.6	5/20/2021	5:52:00 AM	660693.45	3311311.21	68.2	6606934.48
	18:09:00	18:09:00		62	85.2	68.8	53.7	62	85.2	68.8	53.6	5/20/2021	5:53:00 AM	1584893.19	7585775.75	72	15848931.92

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2	Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	18:10:00	18:10:00		57.5	83.4	63.1	52.8	57.4	83.4	63	52.8	5/20/2021	5:54:00 AM	562341.33	2041737.94	67.5	5623413.25
	18:11:00	18:11:00		62.4	86.8	69	53.1	62.4	86.7	69	53	5/20/2021	5:55:00 AM	1737800.83	7943282.35	72.4	17378008.29
	18:12:00	18:12:00		61.5	84.6	65.9	55.5	61.4	84.5	65.9	55.4	5/20/2021	5:56:00 AM	1412537.54	3890451.45	71.5	14125375.45
	18:13:00	18:13:00		59.1	87.8	67.2	53.6	59.1	87.7	67.2	53.6	5/20/2021	5:57:00 AM	812830.52	5248074.60	69.1	8128305.16
	18:14:00	18:14:00		60.4	83.9	67	52.8	60.4	83.9	67	52.8	5/20/2021	5:58:00 AM	1096478.20	5011872.34	70.4	10964781.96
	18:15:00	18:15:00		59.5	83.8	66.3	54	59.5	83.8	66.3	53.9	5/20/2021	5:59:00 AM	891250.94	4265795.19	69.5	8912509.38
	18:16:00	18:16:00		59.3	85.8	64.6	54.4	59.3	85.8	64.6	54.4	5/20/2021	6:00:00 AM	851138.04	2884031.50	69.3	8511380.38
	18:17:00	18:17:00		62.1	85.7	67.5	54.9	62.1	85.7	67.5	54.8	5/20/2021	6:01:00 AM	1621810.10	5623413.25	72.1	16218100.97
	18:18:00	18:18:00		61	85.4	68.9	54.5	60.9	85.4	68.8	54.5	5/20/2021	6:02:00 AM	1258925.41	7762471.17	71	12589254.12
	18:19:00	18:19:00		58.2	83	64.4	53.4	58.1	83	64.4	53.4	5/20/2021	6:03:00 AM	660693.45	2754228.70	68.2	6606934.48
	18:20:00	18:20:00		59.7	78.8	65	53.4	59.6	78.8	64.9	53.4	5/20/2021	6:04:00 AM	933254.30	3162277.66	69.7	9332543.01
	18:21:00	18:21:00		62.1	83.6	69.8	54.5	62	83.6	69.8	54.4	5/20/2021	6:05:00 AM	1621810.10	9549925.86	72.1	16218100.97
	18:22:00	18:22:00		60.3	86.4	65.8	54.4	60.2	86.4	65.8	54.3	5/20/2021	6:06:00 AM	1071519.31	3801893.96	70.3	10715193.05
	18:23:00	18:23:00		61.8	88.6	68	52.8	61.8	88.5	67.9	52.8	5/20/2021	6:07:00 AM	1513561.25	6309573.44	71.8	15135612.48
	18:24:00	18:24:00		56.9	77.7	62.7	52.7	56.9	77.7	62.7	52.7	5/20/2021	6:08:00 AM	489778.82	1862087.14	66.9	4897788.19
	18:25:00	18:25:00		64.5	85.8	70.2	54.2	64.5	85.8	70.2	54.2	5/20/2021	6:09:00 AM	2818382.93	10471285.48	74.5	28183829.31
	18:26:00	18:26:00		62.9	84.9	68.9	57.3	62.8	84.8	68.8	57.2	5/20/2021	6:10:00 AM	1949844.60	7762471.17	72.9	19498446.00
	18:27:00	18:27:00		56	77.5	64	52.3	56	77.5	64	52.2	5/20/2021	6:11:00 AM	398107.17	2511886.43	66	3981071.71
	18:28:00	18:28:00		58.3	83.1	67.4	52.3	58.2	83.1	67.3	52.3	5/20/2021	6:12:00 AM	676082.98	5495408.74	68.3	6760829.75
	18:29:00	18:29:00		62.5	85.2	68.8	53.7	62.5	85.2	68.8	53.7	5/20/2021	6:13:00 AM	1778279.41	7585775.75	72.5	17782794.10
	18:30:00	18:30:00		60.5	83	65.7	53.3	60.5	83	65.7	53.2	5/20/2021	6:14:00 AM	1122018.45	3715352.29	70.5	11220184.54
	18:31:00	18:31:00		62.7	86	69.5	55.6	62.6	86	69.5	55.6	5/20/2021	6:15:00 AM	1862087.14	8912509.38	72.7	18620871.37
	18:32:00	18:32:00		61.7	83.5	67.5	53.4	61.7	83.5	67.5	53.4	5/20/2021	6:16:00 AM	1479108.39	5623413.25	71.7	14791083.88
	18:33:00	18:33:00		64.7	83	68.1	57.3	64.7	83	68.1	57.2	5/20/2021	6:17:00 AM	2951209.23	6456542.29	74.7	29512092.27
	18:34:00	18:34:00		64.9	84.9	71.7	56.4	64.8	84.9	71.7	56.3	5/20/2021	6:18:00 AM	3090295.43	14791083.88	74.9	30902954.33
	18:35:00	18:35:00		62.9	86.3	70.9	54.2	62.8	86.2	70.9	54.1	5/20/2021	6:19:00 AM	1949844.60	12302687.71	72.9	19498446.00
	18:36:00	18:36:00		60.4	78.7	64.9	53.6	60.4	78.6	64.9	53.5	5/20/2021	6:20:00 AM	1096478.20	3090295.43	70.4	10964781.96
	18:37:00	18:37:00		59.3	81.2	65.6	53.5	59.2	81.2	65.6	53.5	5/20/2021	6:21:00 AM	851138.04	3630780.55	69.3	8511380.38
	18:38:00	18:38:00		58	81.7	63.5	51	58	81.7	63.4	50.9	5/20/2021	6:22:00 AM	630957.34	2238721.14	68	6309573.44
	18:39:00	18:39:00		61.6	84.1	71	52.4	61.6	84.1	71	52.4	5/20/2021	6:23:00 AM	1445439.77	12589254.12	71.6	14454397.71
	18:40:00	18:40:00		60.5	83.2	66.7	53.8	60.4	83.2	66.6	53.8	5/20/2021	6:24:00 AM	1122018.45	4677351.41	70.5	11220184.54
	18:41:00	18:41:00		58.3	84.5	66.6	53.5	58.3	84.5	66.6	53.4	5/20/2021	6:25:00 AM	676082.98	4570881.90	68.3	6760829.75
	18:42:00	18:42:00		65.1	86.5	72	54.3	65.1	86.5	72	54.2	5/20/2021	6:26:00 AM	3235936.57	15848931.92	75.1	32359365.69
	18:43:00	18:43:00		61.8	81	67.5	53.1	61.7	81	67.4	53	5/20/2021	6:27:00 AM	1513561.25	5623413.25	71.8	15135612.48
	18:44:00	18:44:00		60.5	83.9	67.4	52.6	60.4	83.9	67.4	52.5	5/20/2021	6:28:00 AM	1122018.45	5495408.74	70.5	11220184.54
	18:45:00	18:45:00		55.7	76.7	61.5	51.8	55.7	76.7	61.5	51.8	5/20/2021	6:29:00 AM	371535.23	1412537.54	65.7	3715352.29
	18:46:00	18:46:00		57.1	79	62.7	52.2	57.1	79	62.7	52.2	5/20/2021	6:30:00 AM	512861.38	1862087.14	67.1	5128613.84
	18:47:00	18:47:00		62.1	82.9	67.1	54.8	62	82.9	67	54.8	5/20/2021	6:31:00 AM	1621810.10	5128613.84	72.1	16218100.97
	18:48:00	18:48:00		61.7	79.5	67.6	52	61.7	79.5	67.6	52	5/20/2021	6:32:00 AM	1479108.39	5754399.37	71.7	14791083.88
	18:49:00	18:49:00		56.8	77.4	62.3	51.5	56.7	77.4	62.2	51.5	5/20/2021	6:33:00 AM	478630.09	1698243.65	66.8	4786300.92
	18:50:00	18:50:00		59	83.8	68.2	51.7	59	83.8	68.2	51.7	5/20/2021	6:34:00 AM	794328.23	6606934.48	69	7943282.35
	18:51:00	18:51:00		63.6	82.5	68.2	54.2	63.6	82.5	68.2	54.2	5/20/2021	6:35:00 AM	2290867.65	6606934.48	73.6	22908676.53
	18:52:00	18:52:00		60.1	81.5	67.2	51.4	60	81.5	67.2	51.3	5/20/2021	6:36:00 AM	1023292.99	5248074.60	70.1	10232929.92
	18:53:00	18:53:00		56.3	77.2	63.3	50.4	56.3	77.1	63.3	50.4	5/20/2021	6:37:00 AM	426579.52	2137962.09	66.3	4265795.19
	18:54:00	18:54:00		52.8	80.7	57.5	51.2	52.7	80.7	57.5	51.2	5/20/2021	6:38:00 AM	190546.07	562341.33	62.8	1905460.72
	18:55:00	18:55:00		61.4	78.7	64.7	52	61.4	78.7	64.7	52	5/20/2021	6:39:00 AM	1380384.26	2951209.23	71.4	13803842.65
	18:56:00	18:56:00		60.8	80.6	67.1	52.5	60.8	80.6	67	52.5	5/20/2021	6:40:00 AM	1202264.43	5128613.84	70.8	12022644.35
	18:57:00	18:57:00		61.1	82.4	66.7	52.1	61.1	82.4	66.7	52.1	5/20/2021	6:41:00 AM	1288249.55	4677351.41	71.1	12882495.52
	18:58:00	18:58:00		57.3	78	62.8	52.2	57.3	78	62.8	52.2	5/20/2021	6:42:00 AM	537031.80	1905460.72	67.3	5370317.96
	18:59:00	18:59:00		60	80.9	66.4	52.6	59.9	80.8	66.4	52.6	5/20/2021	6:43:00 AM	1000000.00	4365158.32	70	10000000.00
	19:00:00	19:00:00		61.6	82.6	66.4	55.1	61.6	82.6	66.4	55.1	5/20/2021	6:44:00 AM	1445439.77	4365158.32	71.6	14454397.71
	19:01:00	19:01:00		59.1	81.8	65.6	53.1	59.1	81.8	65.6	53	5/20/2021	6:45:00 AM	812830.52	3630780.55	69.1	8128305.16
	19:02:00	19:02:00		55.7	79	64.1	51.6	55.7	79	64.1	51.6	5/20/2021	6:46:00 AM	371535.23	2570395.78	65.7	3715352.29
	19:03:00	19:03:00		57.6	79.4	64.8	52.7	57.5	79.4	64.8	52.7	5/20/2021	6:47:00 AM	575439.94	3019951.72	67.6	5754399.37
	19:04:00	19:04:00		57.8	80.6	64.6	52.9	57.8	80.6	64.5	52.9	5/20/2021	6:48:00 AM	602559.59	2884031.50	67.8	6025595.86
	19:05:00	19:05:00		58.1	79.3	65	51.9	58.1	79.3	65	51.9	5/20/2021	6:49:00 AM	645654.23	3162277.66	68.1	6456542.29
	19:06:00	19:06:00		58.4	83.7	65.7	52.9	58.4	83.7	65.7	52.8	5/20/2021	6:50:00 AM	691830.97	3715352.29	68.4	6918309.71
	19:07:00	19:07:00		60.2	78.6	64.1	53.4	60.2	78.6	64	53.4	5/20/2021	6:51:00 AM	1047128.55	2570395.78	70.2	10471285.48
	19:08:00	19:08:00		59.2	86.4	68.2	51.5	59.1	86.3	68.2	51.5	5/20/2021	6:52:00 AM	831763.77	6606934.48	69.2	8317637.71
	19:09:00	19:09:00		60.1	78.7	65.8	52.3	60.1	78.7	65.7	52.3	5/20/2021	6:53:00 AM	1023292.99	3801893.96	70.1	10232929.92
	19:10:00	19:10:00		60.4	80.3	66.2	53.7	60.4	80.3	66.2	53.6	5/20/2021	6:54:00 AM	1096478.20	4168693.83	70.4	10964781.96
	19:11:00	19:11:00		56.2	77.7	62.8	52.8	56.1	77.7	62.8	52.8	5/20/2021	6:55:00 AM	416869.38	1905460.72	66.2	4168693.83
	19:12:00	19:12:00		59.7	82	67.6	52.7	59.7	81.9	67.6	52.7	5/20/2021	6:56:00 AM	933254.30	5754399.37	69.7	9332543.01
	19:13:00	19:13:00		55.7	76.2	61.7	51.4	55.7	76.1	61.7	51.4	5/20/2021	6:57:00 AM	371535.23	1479108.39	65.7	3715352.29
	19:14:00	19:14:00		58.1	78.2	64	52.6	58.1	78.2	64	52.6	5/20/2021	6:58:00 AM	645654.23	2511886.43	68.1	6456542.29
	19:15:00	19:15:00		52.6	72.1	55.3	50.9	52.5	72.1	55.2	50.9	5/20/2021	6:59:00 AM	181970.09	338844.16	62.6	1819700.86
	19:16:00	19:16:00		52.6	68.6	54.1	51.7	52.6	68.6	54	51.7	5/20/2021	7:00:00 AM	181970.09	257039.58	52.6	181970.09
	19:17:00	19:17:00		53.7	73.6	57.5	51.3	53.7	73.5	57.5	51.3	5/20/2021	7:01:00 AM	234422.88	562341.33	53.7	234422.88
	19:18:00	19:18:00		61.8	80.6	66.5	51.9	61.8	80.5	66.5	51.8	5/20/2021	7:02:00 AM	1513561.25	4466835.92	61.8	1513561.25
	19:19:00	19:19:00		58.9	78.2	64.7	49.1	58.9	78.2	64.7	49.1	5/20/2021	7:03:00 AM	776247.12	2951209.23	58.9	776247.12
	19:20:00	19:20:00		54.7	78.4	63.1	49.3	54.7	78.4	63.1	49.3	5/20/2021	7:04:00 AM	295120.92	2041737.94	54.7	295120.92
	19:21:00	19:21:00		63	82.3	70.1	53.1	63	82.3	70.1	53.1	5/20/2021	7:05:00 AM	1995262.31	10232929.92	63	1995262.31
	19:22:00	19:22:00		61	81.2	66.9	53.3	61	81.1	66.8	53.3	5/20/2021	7:06:00 AM	1258925.41	4897788.19	61	1258925.41
	19:23:00	19:23:00		53.3	75.2	59.7	51.4	53.3	75.2	59.7	51.4	5/20/2021	7:07:00 AM	213796.21	933254.30	53.3	213796.21
	19:24:00	19:24:00		58.1	78.7	64.8	51	58.1	78.7	64.8	51	5/20/2021	7:08:00 AM	645654.23	3019951.72	58.1	645654.23
	19:25:00	19:25:00		58	83.4	66.5	52.1	58	83.4	66.4	52.1	5/20/2021	7:09:00 AM	630957.34	4466835.92	58	630957.34
	19:26:00	19:26:00		57.7	79.5	63.9	52.5	57.6	79.5	63.9	52.4	5/20/2021	7:10:00 AM	588843.66	2454708.92	57.7	588843.66
	19:27:00	19:27:00		62.4	81.6	69.6	51.5	62.4	81.5	69.6	51.5	5/20/2021	7:11:00 AM	1737800.83	9120108.39	62.4	1737800.83
	19:28:00	19:28:00		57.5	78	64.1	51	57.5	78	64	50.9	5/20/2021	7:12:00 AM	562341.33	2570395.78	57.5	562341.33
	19:29:00	19:29:00		57.8	81.2	67	51	57.7	81.2	67	51	5/20/2021	7:13:00 AM	602559.59	5011872.34	57.8	602559.59
	19:30:00	19:30:00		55.2	79.4	63.6	50.9	55.2	79.4	63.6	50.8	5/20/2021	7:14:00 AM	331131.12	2290867.65	55.2	331131.12
	19:31:00	19:31:00		57.6	78.9	65.9	50.7	57.6	78.9	65.9	50.7	5/20/2021	7:15:00 AM	575439.94	3890451.45	57.6	575439.94
	19:32:00	19:32:00		57.5	80.9	64	52.6	57.5	80.9	64	52.6	5/20/2021	7:16:00 AM	562341.33	2511886.43	57.5	562341.33
	19:33:00	19:33:00		62.1	81.6	68.2	53.4	62.1	81.6	68.2	53.3	5/20/2021	7:17:00 AM	1621810.10	6606934.48	62.1	1621810.10
	19:34:00	19:34:00		60.4	80.9	66.1	53.1	60.4	80.8	66.1	53	5/20/2021	7:18:00 AM	1096478.20	4073802.78	60.4	1096478.20
	19:35:00	19:35:00		59.9	82.6	67.6	52.9	59.8	82.6	67.6	52.9	5/20/2021	7:19:00 AM	977237.22	5754399.37	59.9	977237.22
	19:36:00	19:36:00	Overload	60.1	88.2	69.2	52.9	60.1	88.2	69.2	52.9	5/20/2021	7:20:00 AM	1023292.99	8317637.71	60.1	1023292.99
	19:37:00	19:37:00		61.9	84	66.1	54.6	61.8	84	66.1	54.5	5/20/2021	7:21:00 AM	1548816.62	4073802.78	61.9	1548816.62
	19:38:00	19:38:00		56.6	78.9	64.9	52.4	56.5	78.9	64.9	52.4	5/20/2021	7:22:00 AM	457088.19	3090295.43	56.6	457088.19
	19:39:00	19:39:00		58.6	78.6	65.2	52	58.6	78.6	65.1	52	5/20/2021	7:23:00 AM	724435.96	3311311.21	58.6	724435.96
	19:40:00	19:40:00		60	81.1	65.5	53.2	60	81.1	65.5	53.2	5/20/2021	7:24:00 AM	1000000.00	3548133.89	60	1000000.00
	19:41:00	19:41:00		58	79.3	65.5	53.3	58	79.3	65.5	53.2	5/20/2021	7:25:00 AM	630957.34	3548133.89	58	630957.34
	19:42:00	19:42:00		57.5	79.3	63.4	52	57.5	79.2	63.4	51.9	5/20/2021	7:26:00 AM	562341.33	2187761.62	57.5	562341.33
	19:43:00	19:43:00		58.8	80	64.7	52.9	58.8	80	64.7	52.9	5/20/2021	7:27:00 AM	758577.58	2951209.23	58.8	758577.58
	19:44:00	19:44:00		58.3	80	64.4	53.3	58.3	80	64.3	53.3	5/20/2021	7:28:00 AM	676082.98	2754228.70	58.3	676082.98
	19:45:00	19:45:00		62.6	83.6	66.6	55	62.6	83.6	66.5	54.9	5/20/2021	7:29:00 AM	1819700.86	4570881.90	62.6	1819700.86
	19:46:00	19:46:00		58.7	80.5	65.7	52.8	58.7	80.5	65.7	52.8	5/20/2021	7:30:00 AM	741310.24	3715352.29	58.7	741310.24
	19:47:00	19:47:00		58.7	81.7	65.8	53.7	58.7	81.7	65.7	53.7	5/20/2021	7:31:00 AM	741310.24	3801893.96	58.7	741310.24
	19:48:00	19:48:00		59.2	82	67.3	52.7	59.2	81.9	67.3	52.7	5/20/2021	7:32:00 AM	831763.77	5370317.96	59.2	831763.77
	19:49:00	19:49:00		62.1	84	69	53.6	62.1	84	69	53.6	5/20/2021	7:33:00 AM	1621810.10	7943282.35	62.1	1621810.10
	19:50:00	19:50:00		59.5	79.4	65	53.9	59.4	79.4	65	53.8	5/20/2021	7:34:00 AM	891250.94	3162277.66	59.5	891250.94
	19:51:00	19:51:00		59.3	80.4	63.8	53.8	59.3	80.4	63.7	53.8	5/20/2021	7:35:00 AM	851138.04	2398832.92	59.3	851138.04
	19:52:00	19:52:00		59.9	80.9	65.6	54.5	59.9	80.9	65.6	54.5	5/20/2021	7:36:00 AM	977237.22	3630780.55	59.9	977237.22
	19:53:00	19:53:00		57.3	79.2	63.9	53.4	57.3	79.1	63.9	53.4	5/20/2021	7:37:00 AM	537031.80	2454708.92	57.3	537031.80
	19:54:00	19:54:00		61.6	85.9	69.5	53.1	61.6	85.8	69.4	53.1	5/20/2021	7:38:00 AM	1445439.77	8912509.38	61.6	1445439.77
	19:55:00	19:55:00		59.6	80.3	64.3	55	59.6	80.3	64.2	55	5/20/2021	7:39:00 AM	912010.84	2691534.80	59.6	912010.84
	19:56:00	19:56:00		62.9	82.9	66.8	57	62.9	82.9	66.8	57	5/20/2021	7:40:00 AM	1949844.60	4786300.92	62.9	1949844.60
	19:57:00	19:57:00		59.5	79.5	64.4	55.4	59.5	79.5	64.3	55.4	5/20/2021	7:41:00 AM	891250.94	2754228.70	59.5	891250.94
	19:58:00	19:58:00		60.4	81.3	67.8	54	60.4	81.3	67.7	54	5/20/2021	7:42:00 AM	1096478.20	6025595.86	60.4	1096478.20

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2	Date	Time		L_{eq} $10^{(X/10)}$	L_{max} $10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
	19:59:00	19:59:00		58	79.1	63.3	53.1	58	79.1	63.3	53.1	5/20/2021	7:43:00 AM		630957.34	2137962.09	58	630957.34
	20:00:00	20:00:00		58.9	80.8	64.2	54.9	58.9	80.8	64.2	54.9	5/20/2021	7:44:00 AM		776247.12	2630267.99	58.9	776247.12
	20:01:00	20:01:00		61.3	79.9	66.2	54.8	61.3	79.9	66.2	54.8	5/20/2021	7:45:00 AM		1348962.88	4168693.83	61.3	1348962.88
	20:02:00	20:02:00		56.4	77.9	61.1	52.9	56.3	77.9	61	52.9	5/20/2021	7:46:00 AM		436515.83	1288249.55	56.4	436515.83
	20:03:00	20:03:00		60	81.3	67.5	53.2	59.9	81.3	67.5	53.2	5/20/2021	7:47:00 AM		1000000.00	5623413.25	60	1000000.00
	20:04:00	20:04:00		60.2	81.8	67.8	53.2	60.2	81.8	67.8	53.2	5/20/2021	7:48:00 AM		1047128.55	6025595.86	60.2	1047128.55
	20:05:00	20:05:00		60.8	84.9	68.7	53.2	60.8	84.9	68.7	53.2	5/20/2021	7:49:00 AM		1202264.43	7413102.41	60.8	1202264.43
	20:06:00	20:06:00		60.3	78.9	65.7	54.6	60.2	78.9	65.6	54.6	5/20/2021	7:50:00 AM		1071519.31	3715352.29	60.3	1071519.31
	20:07:00	20:07:00		58.4	79.6	63.7	53.5	58.4	79.6	63.7	53.5	5/20/2021	7:51:00 AM		691830.97	2344228.82	58.4	691830.97
	20:08:00	20:08:00		57.4	79.7	64.9	53.1	57.4	79.7	64.9	53.1	5/20/2021	7:52:00 AM		549540.87	3090295.43	57.4	549540.87
	20:09:00	20:09:00		58.1	78.1	64.9	52.7	58.1	78.1	64.9	52.7	5/20/2021	7:53:00 AM		645654.23	3090295.43	58.1	645654.23
	20:10:00	20:10:00		57.5	77.3	63.2	52.9	57.5	77.3	63.1	52.9	5/20/2021	7:54:00 AM		562341.33	2089296.13	57.5	562341.33
	20:11:00	20:11:00		59.2	81.1	64.2	54.1	59.2	81	64.2	54	5/20/2021	7:55:00 AM		831763.77	2630267.99	59.2	831763.77
	20:12:00	20:12:00		62.1	80.7	66.7	53.3	62	80.7	66.7	53.2	5/20/2021	7:56:00 AM		1621810.10	4677351.41	62.1	1621810.10
	20:13:00	20:13:00		59.3	79.6	64.5	53.1	59.3	79.6	64.5	53.1	5/20/2021	7:57:00 AM		851138.04	2818382.93	59.3	851138.04
	20:14:00	20:14:00		60.4	83.6	66.8	55.3	60.4	83.6	66.7	55.3	5/20/2021	7:58:00 AM		1096478.20	4786300.92	60.4	1096478.20
	20:15:00	20:15:00		58	81.5	66	53.1	58	81.5	65.9	53	5/20/2021	7:59:00 AM		630957.34	3981071.71	58	630957.34
	20:16:00	20:16:00		56.7	79.3	61.9	53.2	56.7	79.2	61.9	53.2	5/20/2021	8:00:00 AM		467735.14	1548816.62	56.7	467735.14
	20:17:00	20:17:00		57.4	78.2	63.2	53.2	57.4	78.2	63.1	53.2	5/20/2021	8:01:00 AM		549540.87	2089296.13	57.4	549540.87
	20:18:00	20:18:00		58.5	82.9	65.6	52.9	58.5	82.9	65.5	52.9	5/20/2021	8:02:00 AM		707945.78	3630780.55	58.5	707945.78
	20:19:00	20:19:00		59.8	80	67.1	53.4	59.8	80	67.1	53.4	5/20/2021	8:03:00 AM		954992.59	5128613.84	59.8	954992.59
	20:20:00	20:20:00		57.4	81.6	65.8	52.9	57.3	81.5	65.7	52.9	5/20/2021	8:04:00 AM		549540.87	3801893.96	57.4	549540.87
	20:21:00	20:21:00		64.1	88.4	70	55.3	64	88.4	70	55.3	5/20/2021	8:05:00 AM		2570395.78	10000000.00	64.1	2570395.78
	20:22:00	20:22:00		61.3	88.7	69.9	53.7	61.2	88.6	69.9	53.7	5/20/2021	8:06:00 AM		1348962.88	9772372.21	61.3	1348962.88
	20:23:00	20:23:00		57.3	81.1	62.8	53.4	57.3	81.1	62.7	53.4	5/20/2021	8:07:00 AM		537031.80	1905460.72	57.3	537031.80
	20:24:00	20:24:00		59.4	82.6	64.7	52	59.4	82.6	64.7	52	5/20/2021	8:08:00 AM		870963.59	2951209.23	59.4	870963.59
	20:25:00	20:25:00		62.1	86.3	70.8	51.9	62	86.3	70.7	51.8	5/20/2021	8:09:00 AM		1621810.10	12022644.35	62.1	1621810.10
	20:26:00	20:26:00		59.3	78.4	64.4	51.3	59.2	78.4	64.4	51.3	5/20/2021	8:10:00 AM		851138.04	2754228.70	59.3	851138.04
	20:27:00	20:27:00		55.9	76.2	62.1	51.4	55.9	76.2	62.1	51.3	5/20/2021	8:11:00 AM		389045.14	1621810.10	55.9	389045.14
	20:28:00	20:28:00		57.8	80.4	63.9	52.1	57.7	80.4	63.9	52.1	5/20/2021	8:12:00 AM		602559.59	2454708.92	57.8	602559.59
	20:29:00	20:29:00		58.2	77.2	63.8	52.1	58.2	77.2	63.8	52.1	5/20/2021	8:13:00 AM		660693.45	2398832.92	58.2	660693.45
	20:30:00	20:30:00		59.5	80.1	64.3	52.6	59.5	80	64.3	52.6	5/20/2021	8:14:00 AM		891250.94	2691534.80	59.5	891250.94
	20:31:00	20:31:00		58.3	81.9	64.6	53	58.3	81.9	64.6	53	5/20/2021	8:15:00 AM		676082.98	2884031.50	58.3	676082.98
	20:32:00	20:32:00		55.1	75.2	60.9	51.6	55.1	75.1	60.9	51.6	5/20/2021	8:16:00 AM		323593.66	1230268.77	55.1	323593.66
	20:33:00	20:33:00		53.6	76.7	60.8	51.5	53.5	76.7	60.8	51.5	5/20/2021	8:17:00 AM		229086.77	1202264.43	53.6	229086.77
	20:34:00	20:34:00		55.7	77.9	63.2	51.6	55.7	77.8	63.2	51.6	5/20/2021	8:18:00 AM		371535.23	2089296.13	55.7	371535.23
	20:35:00	20:35:00		58.3	80.7	65	52.7	58.3	80.7	65	52.7	5/20/2021	8:19:00 AM		676082.98	3162277.66	58.3	676082.98
	20:36:00	20:36:00		58.1	81	65.7	53.8	58	80.9	65.7	53.8	5/20/2021	8:20:00 AM		645654.23	3715352.29	58.1	645654.23
	20:37:00	20:37:00		54.1	75.1	59.9	51.9	54.1	75.1	59.9	51.9	5/20/2021	8:21:00 AM		257039.58	977237.22	54.1	257039.58
	20:38:00	20:38:00		57.5	80.9	64.4	52.7	57.5	80.9	64.4	52.7	5/20/2021	8:22:00 AM		562341.33	2754228.70	57.5	562341.33
	20:39:00	20:39:00		59.2	77.1	64.4	53.2	59.2	77.1	64.4	53.2	5/20/2021	8:23:00 AM		831763.77	2754228.70	59.2	831763.77
	20:40:00	20:40:00		58.5	79.5	64.4	52.8	58.5	79.5	64.4	52.7	5/20/2021	8:24:00 AM		707945.78	2754228.70	58.5	707945.78
	20:41:00	20:41:00		54.4	75.8	59.3	52	54.4	75.7	59.3	52	5/20/2021	8:25:00 AM		275422.87	851138.04	54.4	275422.87
	20:42:00	20:42:00		54.1	75.9	60.4	51.6	54	75.9	60.4	51.6	5/20/2021	8:26:00 AM		257039.58	1096478.20	54.1	257039.58
	20:43:00	20:43:00		57.9	79.8	64.9	50.9	57.8	79.7	64.9	50.8	5/20/2021	8:27:00 AM		616595.00	3090295.43	57.9	616595.00
	20:44:00	20:44:00		58.5	78.8	65.2	52.3	58.5	78.8	65.2	52.3	5/20/2021	8:28:00 AM		707945.78	3311311.21	58.5	707945.78
	20:45:00	20:45:00		58.6	79.3	64.3	52.3	58.5	79.3	64.3	52.3	5/20/2021	8:29:00 AM		724435.96	2691534.80	58.6	724435.96
	20:46:00	20:46:00		57.1	78.7	62	52.3	57.1	78.6	62	52.3	5/20/2021	8:30:00 AM		512861.38	1584893.19	57.1	512861.38
	20:47:00	20:47:00		61.2	81	67.7	52.3	61.2	81	67.7	52.2	5/20/2021	8:31:00 AM		1318256.74	5888436.55	61.2	1318256.74
	20:48:00	20:48:00		57.3	77.9	63.3	52.6	57.3	77.8	63.3	52.6	5/20/2021	8:32:00 AM		537031.80	2137962.09	57.3	537031.80
	20:49:00	20:49:00		55.7	76.7	60.8	52.7	55.7	76.6	60.8	52.6	5/20/2021	8:33:00 AM		371535.23	1202264.43	55.7	371535.23
	20:50:00	20:50:00		57.8	79.4	64.6	52.5	57.8	79.3	64.5	52.5	5/20/2021	8:34:00 AM		602559.59	2884031.50	57.8	602559.59
	20:51:00	20:51:00		57.6	78.1	61.9	53.5	57.5	78	61.9	53.4	5/20/2021	8:35:00 AM		575439.94	1548816.62	57.6	575439.94
	20:52:00	20:52:00		58.1	77.2	62.9	51.8	58	77.2	62.8	51.8	5/20/2021	8:36:00 AM		645654.23	1949844.60	58.1	645654.23
	20:53:00	20:53:00		57.2	79.2	63.4	52.1	57.2	79.2	63.4	52.1	5/20/2021	8:37:00 AM		524807.46	2187761.62	57.2	524807.46
	20:54:00	20:54:00		56.3	79.4	63.3	51.9	56.3	79.3	63.3	51.9	5/20/2021	8:38:00 AM		426579.52	2137962.09	56.3	426579.52
	20:55:00	20:55:00		54.9	74.5	60.9	51.6	54.9	74.5	60.9	51.6	5/20/2021	8:39:00 AM		309029.54	1230268.77	54.9	309029.54
	20:56:00	20:56:00		56.4	78.7	65.1	51.2	56.3	78.7	65	51.2	5/20/2021	8:40:00 AM		436515.83	3235936.57	56.4	436515.83
	20:57:00	20:57:00		60.6	81.2	67.5	52.5	60.6	81.1	67.5	52.5	5/20/2021	8:41:00 AM		1148153.62	5623413.25	60.6	1148153.62
	20:58:00	20:58:00		54.6	72.7	61.9	51.7	54.5	72.7	61.9	51.7	5/20/2021	8:42:00 AM		288403.15	1548816.62	54.6	288403.15
	20:59:00	20:59:00		59.5	83.8	66.8	51.7	59.5	83.8	66.8	51.7	5/20/2021	8:43:00 AM		891250.94	4786300.92	59.5	891250.94
	21:00:00	21:00:00		55.1	78.7	59	51.8	55.1	78.7	59	51.7	5/20/2021	8:44:00 AM		323593.66	794328.23	55.1	323593.66
	21:01:00	21:01:00		60	84.1	68.2	52.6	60	84.1	68.2	52.6	5/20/2021	8:45:00 AM		1000000.00	6606934.48	60	1000000.00
	21:02:00	21:02:00		54.3	78.1	59.5	51.7	54.3	78.1	59.5	51.7	5/20/2021	8:46:00 AM		269153.48	891250.94	54.3	269153.48
	21:03:00	21:03:00		62	86.9	68.3	55.8	62	86.9	68.3	55.7	5/20/2021	8:47:00 AM		1584893.19	6760829.75	62	1584893.19
	21:04:00	21:04:00		59.4	79.5	64.6	53.9	59.4	79.5	64.6	53.9	5/20/2021	8:48:00 AM		870963.59	2884031.50	59.4	870963.59
	21:05:00	21:05:00		53.9	76.5	58.9	51.9	53.9	76.5	58.9	51.9	5/20/2021	8:49:00 AM		245470.89	776247.12	53.9	245470.89
	21:06:00	21:06:00		54.5	75.5	60.2	52.2	54.5	75.5	60.2	52.2	5/20/2021	8:50:00 AM		281838.29	1047128.55	54.5	281838.29
	21:07:00	21:07:00		56.2	76.8	61.7	53.1	56.2	76.7	61.7	53.1	5/20/2021	8:51:00 AM		416869.38	1479108.39	56.2	416869.38
	21:08:00	21:08:00		58.6	78.8	64.9	52.4	58.5	78.8	64.8	52.4	5/20/2021	8:52:00 AM		724435.96	3090295.43	58.6	724435.96
	21:09:00	21:09:00		59.8	80.3	67.5	52.7	59.7	80.3	67.5	52.7	5/20/2021	8:53:00 AM		954992.59	5623413.25	59.8	954992.59
	21:10:00	21:10:00		58.2	78.9	63.7	52.8	58.2	78.9	63.6	52.7	5/20/2021	8:54:00 AM		660693.45	2344228.82	58.2	660693.45
	21:11:00	21:11:00		58.6	80.3	65.4	53.6	58.6	80.3	65.3	53.6	5/20/2021	8:55:00 AM		724435.96	3467368.50	58.6	724435.96
	21:12:00	21:12:00		56.4	77.9	63.6	53	56.4	77.9	63.6	53	5/20/2021	8:56:00 AM		436515.83	2290867.65	56.4	436515.83
	21:13:00	21:13:00		56.7	76.4	62.3	52.7	56.7	76.4	62.2	52.7	5/20/2021	8:57:00 AM		467735.14	1698243.65	56.7	467735.14
	21:14:00	21:14:00		59.3	83.4	64.4	53.2	59.3	83.4	64.4	53.2	5/20/2021	8:58:00 AM		851138.04	2754228.70	59.3	851138.04
	21:15:00	21:15:00		57.9	81	65	52.7	57.9	81	64.9	52.6	5/20/2021	8:59:00 AM		616595.00	3162277.66	57.9	616595.00
	21:16:00	21:16:00		57.3	79.1	62.9	52.2	57.3	79	62.8	52.2	5/20/2021	9:00:00 AM		537031.80	1949844.60	57.3	537031.80
	21:17:00	21:17:00		57.9	76.2	63.4	51.9	57.9	76.1	63.4	51.9	5/20/2021	9:01:00 AM		616595.00	2187761.62	57.9	616595.00
	21:18:00	21:18:00		59	79.4	65.6	53.8	59	79.4	65.6	53.7	5/20/2021	9:02:00 AM		794328.23	3630780.55	59	794328.23
	21:19:00	21:19:00		55.4	77	59	52.4	55.4	77	59	52.4	5/20/2021	9:03:00 AM		346736.85	794328.23	55.4	346736.85
	21:20:00	21:20:00		58.5	79.8	65.6	53.6	58.5	79.8	65.5	53.6	5/20/2021	9:04:00 AM		707945.78	3630780.55	58.5	707945.78
	21:21:00	21:21:00		55.9	77.1	63.1	53.1	55.9	77.1	63	53.1	5/20/2021	9:05:00 AM		389045.14	2041737.94	55.9	389045.14
	21:22:00	21:22:00		58.6	78.9	64.7	54.3	58.6	78.9	64.7	54.3	5/20/2021	9:06:00 AM		724435.96	2951209.23	58.6	724435.96
	21:23:00	21:23:00		56.7	76.4	60.8	53.3	56.7	76.4	60.8	53.3	5/20/2021	9:07:00 AM		467735.14	1202264.43	56.7	467735.14
	21:24:00	21:24:00		59.5	78.6	64.5	53.2	59.5	78.6	64.4	53.2	5/20/2021	9:08:00 AM		891250.94	2818382.93	59.5	891250.94
	21:25:00	21:25:00		60.7	80.8	66.1	54.4	60.6	80.7	66.1	54.4	5/20/2021	9:09:00 AM		1174897.55	4073802.78	60.7	1174897.55
	21:26:00	21:26:00		59.3	79.4	63.7	55.6	59.3	79.4	63.7	55.6	5/20/2021	9:10:00 AM		851138.04	2344228.82	59.3	851138.04
	21:27:00	21:27:00		60	85.5	67.1	53.1	60	85.5	67.1	53.1	5/20/2021	9:11:00 AM		1000000.00	5128613.84	60	1000000.00
	21:28:00	21:28:00		59.4	80.1	67.3	54.6	59.4	80.1	67.3	54.6	5/20/2021	9:12:00 AM		870963.59	5370317.96	59.4	870963.59
	21:29:00	21:29:00		58.7	80.7	65.3	53.3	58.7	80.7	65.2	53.3	5/20/2021	9:13:00 AM		741310.24	3388441.56	58.7	741310.24
	21:30:00	21:30:00		60.1	79.4	64.6	53.5	60	79.4	64.5	53.5	5/20/2021	9:14:00 AM		1023292.99	2884031.50	60.1	1023292.99
	21:31:00	21:31:00		62.2	90.3	71.1	55.9	62.2	90.2	71.1	55.9	5/20/2021	9:15:00 AM		1659586.91	12882495.52	62.2	1659586.91
	21:32:00	21:32:00		59.2	81.9	65.7	55.4	59.2	81.8	65.7	55.4	5/20/2021	9:16:00 AM		831763.77	3715352.29	59.2	831763.77
	21:33:00	21:33:00		57.8	77.3	62.2	54	57.8	77.3	62.2	53.9	5/20/2021	9:17:00 AM		602559.59	1659586.91	57.8	602559.59
	21:34:00	21:34:00		60.3	83.6	66.4	55.5	60.2	83.6	66.4	55.5	5/20/2021	9:18:00 AM		1071519.31	4365158.32	60.3	1071519.31
	21:35:00	21:35:00		59.2	79.6	65.2	53.9	59.2	79.6	65.1	53.9	5/20/2021	9:19:00 AM		831763.77	3311311.21	59.2	831763.77
	21:36:00	21:36:00		59	80.6	64.9	53.2	59	80.6	64.9	53.2	5/20/2021	9:20:00 AM		794328.23	3090295.43	59	794328.23
	21:37:00	21:37:00		58.1	78.7	62.9	53.6	58.1	78.6	62.9	53.6	5/20/2021	9:21:00 AM		645654.23	1949844.60	58.1	645654.23
	21:38:00	21:38:00		60.6	82.1	66.8	55.8	60.5	82	66.8	55.8	5/20/2021	9:22:00 AM		1148153.62	4786300.92	60.6	1148153.62
	21:39:00	21:39:00		59.2	79	64.8	55.2	59.2	79	64.8	55.1	5/20/2021	9:23:00 AM		831763.77	3019951.72	59.2	831763.77
	21:40:00	21:40:00		61.5	82.7	67.9	55.2	61.4	82.7	67.9	55.1	5/20/2021	9:24:00 AM		1412537.54	6165950.02	61.5	1412537.54
	21:41:00	21:41:00		63.7	84.9	68.9	57.4	63.7	84.8	68.8	57.4	5/20/2021	9:25:00 AM		2344228.82	7762471.17	63.7	2344228.82
	21:42:00	21:42:00		61.4	86.3	66.9	55.9	61.4	86.2	66.9	55.9	5/20/2021	9:26:00 AM		1380384.26	4897788.19	61.4	1380384.26
	21:43:00	21:43:00		61	84	67.7	53.1	61	84	67.7	53.1	5/20/2021	9:27:00 AM		1258925.41	5888436.55	61	1258925.41
	21:44:00	21:44:00	Overload	63	87	68.6	56.5	63	87	68.5	56.5	5/20/2021	9:28:00 AM	Location #2	1995262.31	7244359.60	63	1995262.31
	21:45:00	21:45:00	Overload	64.7	88.5	72.5	56.2	64.7	88.4	72.5	56.1	5/20/2021	9:29:00 AM	Location #2	2951209.23	17782794.10	64.7	2951209.23
	21:46:00	21:46:00		60.4	81.8	66	55.3	60.4	81.8	65.9	55.2	5/20/2021	9:30:00 AM	Location #2	1096478.20	3981071.71	60.4	1096478.20
	21:47:00	21:47:00		58.5	83	64.6	54	58.5	83	64.5	53.9	5/20/2021	9:31:00 AM	Location #2	707945.78	2884031.50	58.5	707945.78

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2
	21:48:00	21:48:00	Overload	63.3	87.6	69.6	58.2	63.3	87.6	69.6	58.2
	21:49:00	21:49:00		60.2	84.8	69.3	54.5	60.2	84.8	69.3	54.4
	21:50:00	21:50:00		60.4	80.9	67.8	54.3	60.4	80.9	67.8	54.3
	21:51:00	21:51:00		60.6	86.6	68	54.2	60.5	86.6	67.9	54.2
	21:52:00	21:52:00		59	77.2	64.1	54	59	77.2	64.1	54
	21:53:00	21:53:00		58.8	78.5	64.2	54.2	58.8	78.5	64.2	54.2
	21:54:00	21:54:00		58.4	82.6	64.2	53.7	58.4	82.5	64.1	53.7
	21:55:00	21:55:00		62.5	80.8	67.8	52.9	62.5	80.8	67.8	52.9
	21:56:00	21:56:00		60.3	81.3	67.2	53.3	60.3	81.3	67.2	53.3
	21:57:00	21:57:00		62.3	85.7	69.5	55.7	62.2	85.6	69.5	55.7
	21:58:00	21:58:00		58.2	81.8	63.8	53.3	58.2	81.8	63.7	53.2
	21:59:00	21:59:00		60.7	81.4	65.9	54	60.7	81.4	65.9	54
	22:00:00	22:00:00		59.1	79.1	63.3	55.5	59.1	79	63.3	55.4
	22:01:00	22:01:00		58	77.2	63.1	54	58	77.2	63	54
	22:02:00	22:02:00		62.6	82.9	68.5	54.8	62.6	82.9	68.5	54.8
	22:03:00	22:03:00		59.1	77.4	64.7	54.1	59	77.4	64.6	54.1
	22:04:00	22:04:00		55	80.5	62.7	52.8	55	80.5	62.7	52.8
	22:05:00	22:05:00		59.6	82.3	66.1	52.8	59.6	82.3	66.1	52.7
	22:06:00	22:06:00		60.5	84.9	68.1	54.7	60.5	84.9	68.1	54.6
	22:07:00	22:07:00		59.1	78.9	63.8	53.1	59	78.9	63.8	53
	22:08:00	22:08:00		59.2	79.5	64.6	53.2	59.2	79.5	64.5	53.1
	22:09:00	22:09:00		56.7	79	62.9	53.4	56.7	79	62.9	53.4
	22:10:00	22:10:00		57	77.8	64	53.1	57	77.8	64	53
	22:11:00	22:11:00		57	77.4	62.3	53	57	77.3	62.3	52.9
	22:12:00	22:12:00		58	80	65.9	52.9	57.9	80	65.9	52.8
	22:13:00	22:13:00		57.2	78.2	63.3	52.4	57.2	78.1	63.3	52.4
	22:14:00	22:14:00		58.9	78.6	64.7	53	58.8	78.6	64.6	53
	22:15:00	22:15:00		57.6	76.9	62.4	53.5	57.6	76.9	62.4	53.5
	22:16:00	22:16:00		57.5	79.5	63.3	51.3	57.5	79.5	63.3	51.3
	22:17:00	22:17:00		57.3	83.2	65.3	52.1	57.3	83.1	65.3	52.1
	22:18:00	22:18:00		55.6	79.9	60.4	52.1	55.6	79.9	60.4	52.1
	22:19:00	22:19:00		55	77.1	60.1	52.7	54.9	77	60.1	52.7
	22:20:00	22:20:00		56.9	80.7	64.9	53.6	56.8	80.7	64.9	53.6
	22:21:00	22:21:00		61.4	79.8	67.1	54.5	61.4	79.8	67	54.5
	22:22:00	22:22:00		61.7	84.8	67.7	54.8	61.7	84.8	67.7	54.8
	22:23:00	22:23:00		56.1	77.1	59.8	53.5	56	77.1	59.8	53.5
	22:24:00	22:24:00		60.1	85.4	69.2	53.5	60	85.4	69.2	53.5
	22:25:00	22:25:00		57.6	77.7	65.8	53.3	57.6	77.7	65.8	53.3
	22:26:00	22:26:00		58.7	78.1	65.2	52.9	58.7	78.1	65.1	52.9
	22:27:00	22:27:00		56.7	75.5	61.9	53.6	56.7	75.4	61.9	53.6
	22:28:00	22:28:00		64.1	93.4	75.3	54.5	64.1	93.3	75.2	54.5
	22:29:00	22:29:00		56.3	77.2	61.9	52.8	56.2	77.2	61.9	52.7
	22:30:00	22:30:00		58.1	83.3	65.6	52.5	58.1	83.3	65.6	52.4
	22:31:00	22:31:00	Overload	61.2	84.9	66.7	53.2	61.1	84.9	66.7	53.2
	22:32:00	22:32:00		59.6	82.9	66.3	54.5	59.6	82.9	66.2	54.4
	22:33:00	22:33:00		58.5	81.2	63	54.6	58.5	81.2	63	54.6
	22:34:00	22:34:00		60.4	82.5	66.3	56.1	60.3	82.5	66.3	56.1
	22:35:00	22:35:00		59.1	82	66	54.8	59	82	66	54.8
	22:36:00	22:36:00		61.9	85.9	70.7	55.9	61.9	85.9	70.7	55.8
	22:37:00	22:37:00		59.9	79.8	64.8	55.7	59.9	79.8	64.8	55.7
	22:38:00	22:38:00		61.2	85.4	67.9	55.6	61.1	85.4	67.8	55.5
	22:39:00	22:39:00		60.9	82.3	65.6	55.2	60.9	82.3	65.6	55.1
	22:40:00	22:40:00		62.3	81.9	66.8	56.6	62.3	81.9	66.8	56.5
	22:41:00	22:41:00		61	81.9	65.6	55.8	60.9	81.9	65.5	55.8
	22:42:00	22:42:00		60.3	80.6	66.9	55.2	60.2	80.5	66.9	55.2
	22:43:00	22:43:00		60.3	80.3	65.5	54.5	60.2	80.3	65.4	54.5
	22:44:00	22:44:00		60.2	81.3	67.1	53.6	60.1	81.2	67.1	53.6
	22:45:00	22:45:00		61.6	86	70.1	54.8	61.6	86	70.1	54.8
	22:46:00	22:46:00	Overload	58.1	85.2	65.2	53.9	58.1	85.2	65.2	53.9
	22:47:00	22:47:00		62.2	85.7	69.6	55	62.2	85.7	69.6	55
	22:48:00	22:48:00		60.1	83.9	65.1	54.9	60	83.9	65.1	54.9
	22:49:00	22:49:00		60	81.5	65.6	53.8	60	81.5	65.6	53.8
	22:50:00	22:50:00		60.1	82.4	67.2	53	60.1	82.3	67.2	53
	22:51:00	22:51:00		58.6	82.5	65.5	53.5	58.5	82.5	65.5	53.5
	22:52:00	22:52:00		56.8	78.9	62.6	52.8	56.8	78.8	62.6	52.8
	22:53:00	22:53:00		58.3	82.4	67.1	52	58.3	82.4	67	52
	22:54:00	22:54:00		59.1	77.3	64.3	54.4	59.1	77.3	64.3	54.4
	22:55:00	22:55:00		59.5	82.5	66.1	52.8	59.5	82.5	66	52.7
	22:56:00	22:56:00		57.3	77.5	62.1	52.5	57.3	77.5	62	52.5
	22:57:00	22:57:00		56.5	76.5	60.7	52	56.4	76.5	60.7	52
	22:58:00	22:58:00		57.4	76.8	61.7	52.9	57.4	76.8	61.7	52.9
	22:59:00	22:59:00		60.9	82.4	65.8	54.8	60.9	82.4	65.8	54.7
	23:00:00	23:00:00		56.9	77.9	63.9	51.9	56.9	77.9	63.9	51.9
	23:01:00	23:01:00		61.5	82.4	67.7	54.2	61.5	82.4	67.7	54.2
	23:02:00	23:02:00		59.5	84.5	67.5	52.7	59.4	84.4	67.5	52.6
	23:03:00	23:03:00		59.1	79.2	63.4	53.1	59	79.2	63.4	53.1
	23:04:00	23:04:00		58.1	78.1	64	52.6	58.1	78.1	63.9	52.6
	23:05:00	23:05:00		54.5	75.6	62	50.4	54.4	75.6	61.9	50.4
	23:06:00	23:06:00		57.6	76.1	63.7	51.2	57.6	76.1	63.7	51.2
	23:07:00	23:07:00		56.6	76.8	61.9	53.1	56.5	76.7	61.9	53.1
	23:08:00	23:08:00		59.4	80.4	66.4	51.6	59.3	80.3	66.4	51.6
	23:09:00	23:09:00		60.1	82.1	66.1	52.8	60.1	82.1	66.1	52.7
	23:10:00	23:10:00		58.2	77.3	63	54.1	58.1	77.2	63	54
	23:11:00	23:11:00		56.6	78.2	64.4	51.8	56.5	78.2	64.4	51.8
	23:12:00	23:12:00		61.3	78.3	65.3	54.4	61.3	78.3	65.2	54.4
	23:13:00	23:13:00		59.6	80	64.1	54.5	59.6	80	64	54.5
	23:14:00	23:14:00		58.4	86	67.6	53.7	58.4	86	67.6	53.7
	23:15:00	23:15:00		60	86.7	67.1	54.5	60	86.6	67.1	54.5
	23:16:00	23:16:00		57.4	77.5	64.4	53.8	57.3	77.5	64.4	53.8
	23:17:00	23:17:00		58.4	76.9	64.1	53.5	58.3	76.9	64.1	53.5
	23:18:00	23:18:00		58.6	81.5	64.9	54.1	58.6	81.5	64.9	54.1
	23:19:00	23:19:00		61.5	86	67.5	53.8	61.5	85.9	67.4	53.7
	23:20:00	23:20:00		61.1	81.1	66.5	55.7	61.1	81.1	66.5	55.7
	23:21:00	23:21:00		57	78.8	62.5	54.1	57	78.8	62.5	54.1
	23:22:00	23:22:00		57.9	78.3	62.7	53.7	57.9	78.3	62.7	53.7
	23:23:00	23:23:00		57.7	77.5	61.3	54.6	57.7	77.5	61.3	54.6
	23:24:00	23:24:00		60	81.8	67.7	53.4	60	81.8	67.7	53.4
	23:25:00	23:25:00		58.4	79.6	64	53.8	58.4	79.6	64	53.7
	23:26:00	23:26:00		58.7	80.9	65.1	54	58.7	80.9	65.1	54
	23:27:00	23:27:00		58.4	80.1	63.6	53.5	58.4	80.1	63.6	53.5
	23:28:00	23:28:00		59.4	82.3	64.2	54.7	59.4	82.3	64.2	54.7
	23:29:00	23:29:00		60.2	85.7	68.2	55.2	60.2	85.7	68.1	55.2
	23:30:00	23:30:00		60.5	82.7	67.2	55.2	60.4	82.7	67.1	55.2
	23:31:00	23:31:00		59.1	80.8	65	54.5	59.1	80.8	64.9	54.5
	23:32:00	23:32:00		56.6	79.8	64.1	53.2	56.5	79.8	64.1	53.2
	23:33:00	23:33:00		58.8	76.7	62.6	53.9	58.7	76.7	62.5	53.9
	23:34:00	23:34:00		58.2	80.7	65.1	54.5	58.2	80.6	65.1	54.5
	23:35:00	23:35:00		60.9	84.9	68.4	53.9	60.9	84.9	68.4	53.9
	23:36:00	23:36:00		57.1	78.4	63.2	53.5	57.1	78.3	63.1	53.5

Date	Time		$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/20/2021	9:32:00 AM	Location #2	2137962.09	9120108.39	63.3	2137962.09
5/20/2021	9:33:00 AM	Location #2	1047128.55	8511380.38	60.2	1047128.55
5/20/2021	9:34:00 AM	Location #2	1096478.20	6025595.86	60.4	1096478.20
5/20/2021	9:35:00 AM	Location #2	1148153.62	6309573.44	60.6	1148153.62
5/20/2021	9:36:00 AM	Location #2	794328.23	2570395.78	59	794328.23
5/20/2021	9:37:00 AM	Location #2	758577.58	2630267.99	58.8	758577.58
5/20/2021	9:38:00 AM	Location #2	691830.97	2630267.99	58.4	691830.97
5/20/2021	9:39:00 AM	Location #2	1778279.41	6025595.86	62.5	1778279.41
5/20/2021	9:40:00 AM	Location #2	1071519.31	5248074.60	60.3	1071519.31
5/20/2021	9:41:00 AM	Location #2	1698243.65	8912509.38	62.3	1698243.65
5/20/2021	9:42:00 AM	Location #2	660693.45	2398832.92	58.2	660693.45
5/20/2021	9:43:00 AM	Location #2	1174897.55	3890451.45	60.7	1174897.55
5/20/2021	9:44:00 AM		812830.52	2137962.09	59.1	812830.52
5/20/2021	9:45:00 AM		630957.34	2041737.94	58	630957.34
5/20/2021	9:46:00 AM		1819700.86	7079457.84	62.6	1819700.86
5/20/2021	9:47:00 AM		812830.52	2951209.23	59.1	812830.52
5/20/2021	9:48:00 AM		316227.77	1862087.14	55	316227.77
5/20/2021	9:49:00 AM		912010.84	4073802.78	59.6	912010.84
5/20/2021	9:50:00 AM		1122018.45	6456542.29	60.5	1122018.45
5/20/2021	9:51:00 AM		812830.52	2398832.92	59.1	812830.52
5/20/2021	9:52:00 AM		831763.77	2884031.50	59.2	831763.77
5/20/2021	9:53:00 AM		467735.14	1949844.60	56.7	467735.14
5/20/2021	9:54:00 AM		501187.23	2511886.43	57	501187.23
5/20/2021	9:55:00 AM		501187.23	1698243.65	57	501187.23
5/20/2021	9:56:00 AM		630957.34	3890451.45	58	630957.34
5/20/2021	9:57:00 AM	Location #1	524807.46	2137962.09	57.2	524807.46
5/20/2021	9:58:00 AM	Location #1	776247.12	2951209.23	58.9	776247.12
5/20/2021	9:59:00 AM	Location #1	575439.94	1737800.83	57.6	575439.94
5/20/2021	10:00:00 AM	Location #1	562341.33	2137962.09	57.5	562341.33
5/20/2021	10:01:00 AM	Location #1	537031.80	3388441.56	57.3	537031.80
5/20/2021	10:02:00 AM	Location #1	363078.05	1096478.20	55.6	363078.05
5/20/2021	10:03:00 AM	Location #1	316227.77	1023292.99	55	316227.77
5/20/2021	10:04:00 AM	Location #1	489778.82	3090295.43	56.9	489778.82
5/20/2021	10:05:00 AM	Location #1	1380384.26	5128613.84	61.4	1380384.26
5/20/2021	10:06:00 AM	Location #1	1479108.39	5888436.55	61.7	1479108.39
5/20/2021	10:07:00 AM	Location #1	407380.28	954992.59	56.1	407380.28
5/20/2021	10:08:00 AM	Location #1	1023292.99	8317637.71	60.1	1023292.99
5/20/2021	10:09:00 AM	Location #1	575439.94	3801893.96	57.6	575439.94
5/20/2021	10:10:00 AM	Location #1	741310.24	3311311.21	58.7	741310.24
5/20/2021	10:11:00 AM	Location #1	467735.14	1548816.62	56.7	467735.14
5/20/2021	10:12:00 AM	Location #1	2570395.78	33884415.61	64.1	2570395.78
5/20/2021	10:13:00 AM		426579.52	1548816.62	56.3	426579.52
5/20/2021	10:14:00 AM		645654.23	3630780.55	58.1	645654.23
5/20/2021	10:15:00 AM		1318256.74	4677351.41	61.2	1318256.74
5/20/2021	10:16:00 AM		912010.84	4265795.19	59.6	912010.84
5/20/2021	10:17:00 AM		707945.78	1995262.31	58.5	707945.78
5/20/2021	10:18:00 AM		1096478.20	4265795.19	60.4	1096478.20
5/20/2021	10:19:00 AM		812830.52	3981071.71	59.1	812830.52
5/20/2021	10:20:00 AM		1548816.62	11748975.55	61.9	1548816.62
5/20/2021	10:21:00 AM		977237.22	3019951.72	59.9	977237.22
5/20/2021	10:22:00 AM		1318256.74	6165950.02	61.2	1318256.74
5/20/2021	10:23:00 AM		1230268.77	3630780.55	60.9	1230268.77
5/20/2021	10:24:00 AM		1698243.65	4786300.92	62.3	1698243.65
5/20/2021	10:25:00 AM		1258925.41	3630780.55	61	1258925.41
5/20/2021	10:26:00 AM		1071519.31	4897788.19	60.3	1071519.31
5/20/2021	10:27:00 AM		1071519.31	3548133.89	60.3	1071519.31
5/20/2021	10:28:00 AM		1047128.55	5128613.84	60.2	1047128.55
5/20/2021	10:29:00 AM		1445439.77	10232929.92	61.6	1445439.77
5/20/2021	10:30:00 AM		645654.23	3311311.21	58.1	645654.23
5/20/2021	10:31:00 AM		1659586.91	9120108.39	62.2	1659586.91
5/20/2021	10:32:00 AM		1023292.99	3235936.57	60.1	1023292.99
5/20/2021	10:33:00 AM		1000000.00	3630780.55	60	1000000.00
5/20/2021	10:34:00 AM		1023292.99	5248074.60	60.1	1023292.99
5/20/2021	10:35:00 AM		724435.96	3548133.89	58.6	724435.96
5/20/2021	10:36:00 AM		478630.09	1819700.86	56.8	478630.09
5/20/2021	10:37:00 AM		676082.98	5128613.84	58.3	676082.98
5/20/2021	10:38:00 AM		812830.52	2691534.80	59.1	812830.52
5/20/2021	10:39:00 AM		891250.94	4073802.78	59.5	891250.94
5/20/2021	10:40:00 AM		537031.80	1621810.10	57.3	537031.80
5/20/2021	10:41:00 AM		446683.59	1174897.55	56.5	446683.59
5/20/2021	10:42:00 AM		549540.87	1479108.39	57.4	549540.87
5/20/2021	10:43:00 AM		1230268.77	3801893.96	60.9	1230268.77
5/20/2021	10:44:00 AM		489778.82	2454708.92	56.9	489778.82
5/20/2021	10:45:00 AM		1412537.54	5888436.55	61.5	1412537.54
5/20/2021	10:46:00 AM		891250.94	5623413.25	59.5	891250.94
5/20/2021	10:47:00 AM		812830.52	2187761.62	59.1	812830.52
5/20/2021	10:48:00 AM		645654.23	2511886.43	58.1	645654.23
5/20/2021	10:49:00 AM		281838.29	1584893.19	54.5	281838.29
5/20/2021	10:50:00 AM		575439.94	2344228.82	57.6	575439.94
5/20/2021	10:51:00 AM		457088.19	1548816.62	56.6	457088.19
5/20/2021	10:52:00 AM		870963.59	4365158.32	59.4	870963.59
5/20/2021	10:53:00 AM		1023292.99	4073802.78	60.1	1023292.99
5/20/2021	10:54:00 AM	Location #3	660693.45	1995262.31	58.2	660693.45
5/20/2021	10:55:00 AM	Location #3	457088.19	2754228.70	56.6	457088.19
5/20/2021	10:56:00 AM	Location #3	1348962.88	3388441.56	61.3	1348962.88
5/20/2021	10:57:00 AM	Location #3	912010.84	2570395.78	59.6	912010.84
5/20/2021	10:58:00 AM	Location #3	691830.97	5754399.37	58.4	691830.97
5/20/2021	10:59:00 AM	Location #3	1000000.00	5128613.84	60	1000000.00
5/20/2021	11:00:00 AM	Location #3	549540.87	2754228.70	57.4	549540.87
5/20/2021	11:01:00 AM	Location #3	691830.97	2570395.78	58.4	691830.97
5/20/2021	11:02:00 AM	Location #3	724435.96	3090295.43	58.6	724435.96
5/20/2021	11:03:00 AM	Location #3	1412537.54	5623413.25	61.5	1412537.54
5/20/2021	11:04:00 AM	Location #3	1288249.55	4466835.92	61.1	1288249.55
5/20/2021	11:05:00 AM	Location #3	501187.23	1778279.41	57	501187.23
5/20/2021	11:06:00 AM	Location #3	616595.00	1862087.14	57.9	616595.00
5/20/2021	11:07:00 AM	Location #3	588843.66	1348962.88	57.7	588843.66
5/20/2021	11:08:00 AM	Location #3	1000000.00	5888436.55	60	1000000.00
5/20/2021	11:09:00 AM	Location #3	691830.97	2511886.43	58.4	691830.97
5/20/2021	11:10:00 AM		741310.24	3235936.57	58.7	741310.24
5/20/2021	11:11:00 AM		691830.97	2290867.65	58.4	691830.97
5/20/2021	11:12:00 AM		870963.59	2630267.99	59.4	870963.59
5/20/2021	11:13:00 AM		1047128.55	6606934.48	60.2	1047128.55
5/20/2021	11:14:00 AM		1122018.45	5248074.60	60.5	1122018.45
5/20/2021	11:15:00 AM		812830.52	3162277.66	59.1	812830.52
5/20/2021	11:16:00 AM		457088.19	2570395.78	56.6	457088.19
5/20/2021	11:17:00 AM		758577.58	1819700.86	58.8	758577.58
5/20/2021	11:18:00 AM		660693.45	3235936.57	58.2	660693.45
5/20/2021	11:19:00 AM		1230268.77	6918309.71	60.9	1230268.77
5/20/2021	11:20:00 AM		512861.38	2089296.13	57.1	512861.38

Study	Study Time	Session Time	OL Status	L_{avg} Meter1	L_{pk} Meter1	L_{max} Meter1	L_{min} Meter1	L_{avg} Meter2	L_{pk} Meter2	L_{max} Meter2	L_{min} Meter2
	23:37:00	23:37:00		57.3	76	61.9	53.6	57.2	76	61.9	53.6
	23:38:00	23:38:00		56.9	78.9	62.6	52.3	56.9	78.9	62.6	52.3
	23:39:00	23:39:00		56.4	78.4	62.3	52.2	56.3	78.3	62.3	52.2
	23:40:00	23:40:00		56.5	80.3	64.1	52.3	56.5	80.2	64	52.2
	23:41:00	23:41:00		60.3	85.2	69.6	52.3	60.3	85.1	69.6	52.2
	23:42:00	23:42:00		58.1	83.6	64.8	53.1	58.1	83.5	64.8	53
	23:43:00	23:43:00		58.4	80.8	66.3	52.4	58.4	80.8	66.3	52.4
	23:44:00	23:44:00		58.5	78.2	62.6	52.2	58.5	78.2	62.5	52.2
	23:45:00	23:45:00		58	77.2	63.4	53	58	77.2	63.4	52.9
	23:46:00	23:46:00		58.5	79.2	64.1	53.1	58.4	79.2	64	53.1
	23:47:00	23:47:00		59.7	80.9	68.1	53.9	59.7	80.9	68.1	53.9
	23:48:00	23:48:00		59.7	82.7	64.9	54.1	59.7	82.7	64.9	54.1
	23:49:00	23:49:00		61.1	82.3	67.2	55.6	61	82.3	67.2	55.6
	23:50:00	23:50:00		59.8	80.4	64.3	54.9	59.8	80.4	64.2	54.9
	23:51:00	23:51:00		59.9	79.1	65.5	54	59.9	79.1	65.4	54
	23:52:00	23:52:00		54	68.8	55.1	52.9	54	68.8	55.1	52.9
	23:53:00	23:53:00		58.1	78.2	63.7	52.7	58.1	78.2	63.7	52.7
	23:54:00	23:54:00		58.1	79.2	65.3	54	58.1	79.2	65.3	54
	23:55:00	23:55:00		58.7	87.7	67.3	53.5	58.7	87.7	67.2	53.4
	23:56:00	23:56:00		59.1	78.4	64.1	53.7	59	78.4	64	53.7
	23:57:00	23:57:00		58.7	81.8	67.1	53	58.6	81.8	67.1	53
	23:58:00	23:58:00		59	79.3	63.4	53.4	59	79.3	63.3	53.4
	23:59:00	23:59:00		58.3	81.5	66	53.3	58.2	81.5	65.9	53.2
	24:00:00	24:00:00		62.1	84	68.9	54.7	62	84	68.8	54.7

Date	Time	$L_{eq}\ 10^{(X/10)}$	$L_{max}\ 10^{(X/10)}$	L_{dn}	$10^{(X/10)}$
5/20/2021	11:21:00 AM	537031.80	1548816.62	57.3	537031.80
5/20/2021	11:22:00 AM	489778.82	1819700.86	56.9	489778.82
5/20/2021	11:23:00 AM	436515.83	1698243.65	56.4	436515.83
5/20/2021	11:24:00 AM	446683.59	2570395.78	56.5	446683.59
5/20/2021	11:25:00 AM	1071519.31	9120108.39	60.3	1071519.31
5/20/2021	11:26:00 AM	645654.23	3019951.72	58.1	645654.23
5/20/2021	11:27:00 AM	691830.97	4265795.19	58.4	691830.97
5/20/2021	11:28:00 AM	707945.78	1819700.86	58.5	707945.78
5/20/2021	11:29:00 AM	630957.34	2187761.62	58	630957.34
5/20/2021	11:30:00 AM	707945.78	2570395.78	58.5	707945.78
5/20/2021	11:31:00 AM	933254.30	6456542.29	59.7	933254.30
5/20/2021	11:32:00 AM	933254.30	3090295.43	59.7	933254.30
5/20/2021	11:33:00 AM	1288249.55	5248074.60	61.1	1288249.55
5/20/2021	11:34:00 AM	954992.59	2691534.80	59.8	954992.59
5/20/2021	11:35:00 AM	977237.22	3548133.89	59.9	977237.22
5/20/2021	11:36:00 AM	251188.64	323593.66	54	251188.64
5/20/2021	11:37:00 AM	645654.23	2344228.82	58.1	645654.23
5/20/2021	11:38:00 AM	645654.23	3388441.56	58.1	645654.23
5/20/2021	11:39:00 AM	741310.24	5370317.96	58.7	741310.24
5/20/2021	11:40:00 AM	812830.52	2570395.78	59.1	812830.52
5/20/2021	11:41:00 AM	741310.24	5128613.84	58.7	741310.24
5/20/2021	11:42:00 AM	794328.23	2187761.62	59	794328.23
5/20/2021	11:43:00 AM	676082.98	3981071.71	58.3	676082.98
5/20/2021	11:44:00 AM	1621810.10	7762471.17	62.1	1621810.10

ATTACHMENT 3

Noise & Vibration Impact Calculations

Reclamation Equipment Noise Levels

Equipment List & Reference Noise Levels					
Equipment	**L_{max} @ 50-feet [A]**	**Usage Factor (%) [A]**	**Reference Distance (feet) [A]**	**L_{eq} @ 50-feet**	**Arithmetic SPL ($10^{(Lavg/10)}$)**
Water Truck [A]	84	40%	50	80.0	100475457.26
Water Truck [A]	84	40%	50	80.0	100475457.26
Scraper	85	40%	50	81.0	126491106.41
Dozer	85	40%	50	81.0	126491106.41
Dozer	85	40%	50	81.0	126491106.41
Backhoe	80	40%	50	76.0	40000000.00
Excavator	85	40%	50	81.0	126491106.41
Grader	85	40%	50	81.0	126491106.41
Front End Loader	80	40%	50	76.0	40000000.00
				Total L_{eq} @ 50-feet:	**89.6** **dBA**

Predicted Project Noise Levels @ Receptor Locations			
Receptor	**Distance Source to Receptor (feet) [B]**	**Project Noise Level (L_{eq}) @ Receptor**	
		Exterior [C]	**Interior [D]**
1	5,400	48.9	28.9
2	5,500	48.8	28.8
3	6,450	47.4	27.4
4	17,650	38.7	18.7
5	32,000	33.5	13.5
6	31,700	33.6	13.6
7	7,400	46.2	26.2

Footnotes:

A - Default equipment noise data (L_{max}, Usage Factor %, Reference Distance) for dozers was taken from Federal Highway Administration's (FHWA) *Roadway Construction Noise Model* . For the water truck, the FHWA's default values for a "flat bed truck" was utilized.

B - Distance estimated using Google Earth. Represents closest distance between reclamation boundary/equipment operational areas and receptor property boundary. See Figure 2 in Attachment 1 for more detail.

C - $L_{eq} = L_{eq}$ @ 50-feet - 20*log(D/50). D = distance to receptor (feet).

D - Based on the EPA's *Protective Noise Levels* document (March, 1974), an outdoor to indoor attenuation of -20 dBA is assumed.

Reclamation - Day-Night Noise Levels @ Receptors

Project Reclamation - Activity Parameters [A]	
Operating Hours	----
Max Hours/Day	24 hours

Reclamation Operations - Hourly (L_{eq}) Average Noise Level @ Receptors [B]							
Receptor:	**1**	**2**	**3**	**4**	**5**	**6**	**7**
Noise Level (L_{eq}) @ Receptor	48.9	48.8	47.4	38.7	33.5	33.6	46.2

Receptor:	**1**		**2**		**3**		**4**		**5**		**6**		**7**	
Time/Hour [C]	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**	**Hourly L_{eq} (dBA)**	**L_{eq} $10^{(Leq/10)}$**
12:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
1:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
2:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
3:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
4:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
5:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
6:00 AM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
7:00 AM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
8:00 AM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
9:00 AM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
10:00 AM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
11:00 AM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
12:00 PM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
1:00 PM	48.9	78309.9	48.8	75488.1	47.4	54888.9	38.7	7330.2	33.5	2230.0	33.6	2272.4	46.2	41700.4
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11:00 PM	58.9	783098.8	58.8	754881.4	57.4	548889.2	48.7	73301.8	43.5	22300.0	43.6	22724.0	56.2	417004.4
Day-Night (L_{dn}) Noise Level:	**55.3**		**55.2**		**53.8**		**45.1**		**39.9**		**40.0**		**52.6**	

Footnotes:

A - Conservatively, this analysis assumes that reclamation equipment would operate for a full 24-hours in a given day. Because Kern County analyzes noise using a 24-hour Day-Night (L^{dn}) average, this method will produce a conservative over-estimation of Project noise impacts at nearby sensitive receptors. In reality, onsite reclamation activities would generally occur during daytime (estimated 6:00 a.m. to 6:00 p.m.) hours only.

B - Please see the previous source noise calculations. Values shown represents the worst-case hourly (L_{eq}) noise level at each receptor resulting from the operation of Project reclamation equipment (e.g., scrapers, dozers, loaders, excavators, haul/water trucks). It was assumed that the onsite reclamation equipment would operate at-grade, simultaneously in the Project site location closest to each affected receptor. Please see Figure 2 (Attachment 1) which shows the distances analyzed.

C - Because the County criteria applies to noise impacts over a 24-hour period (i.e., Day-Night [L_{dn}] noise levels), it was assumed that the onsite equipment summarized above would operate simultaneously for up to 24-hours in a given day. These hourly (L_{eq}) noise levels were then used to estimate the Project's L_{dn} noise levels at each receptor. Please note, for noise occurring between the hours of 10:00 p.m. and 7:00 a.m., and additional +10 dBA weighting is applied .

FICON Change Criterion [A]	
Existing Ambient Noise Level	**Potential Significant Impact**
< 60 dBA	+5 dBA or more
60 - 65 dBA	+3 dBA or more
> 65 dBA	+1.5 dBA or more

Source: Federal Interagency Committee on Noise (FICON), 1992.

Reclamation Activities - Project Noise Levels (L_{dn}) @ Receptors

Receptor	Receptor Type	Total Project Noise Levels			FICON Significance Determination			
		Ambient Noise Level	Project / Equipment Noise Level	Total Project Noise Level [B]	Project Noise Level Increase @ Receptor (dBA)	FICON Change Threshold	Significant?	Subjective Reaction [C]
1	Residential	65.8	55.3	66.2	0.373	+1.5	No	Imperceptible
2	Residential	65.8	55.2	66.2	0.360	+1.5	No	Imperceptible
3	Residential	67.0	53.8	67.2	0.202	+1.5	No	Imperceptible
4	Residential	67.0	45.1	67.0	0.028	+1.5	No	Imperceptible
5	Residential	72.1	39.9	72.1	0.003	+1.5	No	Imperceptible
6	Residential	71.5	40.0	71.5	0.003	+1.5	No	Imperceptible
7	Residential	65.8	52.6	66.0	0.203	+1.5	No	Imperceptible

Footnotes:

A - The Federal Interagency Commission on Noise (FICON) developed this graduated scale for use in the assessment of Project-related noise level increases. The rationale for this graduated scale is that test subject's reactions to increases in noise levels varied depending on the starting level (i.e., existing ambient noise level) of the noise. Specifically, with lower ambient noise environments (i.e., below 60 dBA), a larger increase in noise level (i.e., +5 dBA or more) is required to achieve a negative reaction than is necessary in more elevated noise environments.

B - Values shown represents the dBA increase in noise experienced at each receptor resulting from onsite Project noise sources (i.e., reclamation equipment). Please note, the noise levels shown conservatively assumes that all reclamation equipment (e.g., dozers, graders, loaders, etc.) would be operating at-grade in the area immediately adjacent to each receptor, with a clear line-of-sight with no noise attenuation.

C - Subjective reaction shown based on test subjects' reaction to changes in the levels of steady-state pure tones or broad-band noise and to changes in levels of a given noise source (i.e., reclamation equipment). 1 dBA change = "Imperceptible", 3 dBA change = "Just Barely Perceptible", 6 dBA change = "Clearly Noticeable", 10 dBA change = "About Twice as Loud". Please note, this subjective reaction shown is for informational purposes only, as the more conservative FICON change criterion is utilized to determine the significance of Project impacts. Source: *Architectural Acoustics* (M. David Egan, 1988).

Equipment Reference Vibration Source		
Equipment	**Distance (feet)**	**PPV (in/sec)**
Large Bulldozer	25	0.089

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020).

Note: The "Large Bulldozer" represents the largest, most powerful vibration source assumed to operate onsite during reclamation. Therefore it is used to calculate worst-case vibration impacts to nearby receivers.

Human Responses to Transient Vibration	
PPV (in/sec)	**Human Response**
2	Severe
0.9	Strongly Perceptible
0.24	Distinctly Perceptible
0.035	Barely Perceptible

Source: *Transportation and Construction Vibration Guidance Manual* (Caltrans, 2020).

Vibration Impact Assessment						
Site	**Receptor Type**	**Distance (feet) [B]**	**Predicted Vibration PPV @ Receptor (in/sec) [A]**	**Applicable Caltrans PPV Threshold (in/sec)**	**Significant?**	**Predicted Human Response @ Receptor**
1	Residential	5,400	0.00024	≥ 0.035	No	Barely Perceptible
2	Residential	5,500	0.00024	≥ 0.035	No	Barely Perceptible
3	Residential	6,450	0.00020	≥ 0.035	No	Barely Perceptible
4	Residential	17,650	0.00007	≥ 0.035	No	Barely Perceptible
5	Residential	32,000	0.00003	≥ 0.035	No	Barely Perceptible
6	Residential	31,700	0.00003	≥ 0.035	No	Barely Perceptible
7	Residential	7,400	0.00017	≥ 0.035	No	Barely Perceptible

Footnotes:

A - $PPV_{Equipment} = PPV_{Ref} (25/D)^{n}$. PPV_{Ref} = reference PPV @ 25-ft. D = distance from equipment to the receiver in ft. n = 1.1 (the value related to the attenuation rate through ground) Source is the Caltrans *Transportation and Construction Vibration Guidance Manual* (2020).

B - Distances estimated using Google Earth ™. Conservatively represents closest distance between active reclamation areas and the receptor property boundary. See Figure 2 in Attachment 1 for more detail.

Appendix K

CEQA Transportation and Vehicle Miles Travelled Memorandum CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment

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August 4, 2025

Attn: Alison Everhart
Sr. Environmental Manager
CalPortland, Cement Division
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Oro Grande, California 92368

Subject: **CEQA Transportation and Vehicle Miles Travelled (VMT) Memorandum – CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment**

This technical memorandum was prepared by Sespe Consulting, Inc. ("Sespe") on behalf of CalPortland Company ("CalPortland") to identify and analyze potential transportation and vehicle miles travelled (VMT) impacts in response to California Environmental Quality Act (CEQA) Guidelines Appendix G for transportation and the applicable requirements enacted with Senate Bill 743 (SB 743). CalPortland operates a limestone mining and processing operation (CA Mine ID No. 91-15-0032) and cement production facility (together, the "Facility") in Mojave, Kern County, California (see Figure 1). CalPortland commenced Facility operations in 1954, before the enactment of applicable County use permit requirements. The County, accordingly, has recognized the Facility as "vested" (i.e., legal nonconforming) uses several times since those uses commenced. Kern County approved the Facility's current reclamation plan in 1979 (the "1979 Reclamation Plan"), following the enactment of the Surface Mining and Reclamation Act (SMARA) in 1975.

CalPortland now seeks to amend the 1979 Reclamation Plan to include reclamation of additional limestone reserves within the vested Facility (the "Reclamation Plan Amendment" or "RPA" or the "Project"). The RPA will allow CalPortland to continue reclamation of mining operations across the vested Facility. This Project includes the following reclamation activities: recontouring, stabilization, revegetation, and monitoring of final slopes and disturbed mining areas; reclamation of roads and ancillary equipment and facilities; and removal of processing facilities within the reclamation plan boundary upon the completion of surface mining operations. Amendment of the 1979 Reclamation Plan to address reclamation across the vested Facility, and to meet SMARA's current reclamation standards, is the "Project," or "Proposed Project" described in this memorandum. Because the Facility is vested, the Project does not require a discretionary use permit to authorize recovery of the minerals or operation of the processing facilities themselves.

The Project does not propose any change to CalPortland's existing production levels, mining systems or processes, or ultimate throughput from the Facility. CalPortland will continue operating at the same production levels following approval of the RPA.

REGULATORY BACKGROUND

In 2013, the California legislature enacted SB 743, which required, among other things, that the State of California Governor's Office of Planning and Research (OPR) adopt new guidelines for assessing transportation impacts and that when enacted, traffic congestion would no longer be considered in assessing a significant impact under CEQA. The purpose was to better align transportation impacts analysis under CEQA with the state's goals of reducing greenhouse gas (GHG) emissions and traffic-related air pollution, and promoting multimodal transportation networks and a diversity of land uses. These new regulations represent a significant shift in analyzing transportation impacts under CEQA. By July 1, 2020, all CEQA lead agencies must analyze a project's transportation impacts using VMT. The OPR Technical Advisory provides guidance for evaluating this new transportation impact method (OPR, 2018). This shift in CEQA transportation metric promotes outcomes that reduce reliance on automobile travel, and thus aligns with state goals for reducing greenhouse gas emissions and traffic-related air pollution, investing in multimodal transportation networks, encouraging higher density in-fill development, and providing clean, efficient access to destinations. The California Natural Resources Agency certified and adopted the CEQA Guidelines update package including the guidelines for implementing SB 743. The new CEQA Guidelines Section 15064.3 – Determining the Significance of Transportation Impacts, generally requires that VMT-based metrics be used to evaluate transportation impacts.

This memorandum quantifies the potential transportation and VMT impacts associated with the proposed Project (i.e., recontouring, stabilization, revegetation, and monitoring of final slopes and disturbed mining areas; reclamation of roads and ancillary equipment and facilities; and removal of processing facilities within the reclamation plan boundary upon the completion of surface mining operations). Potential Project transportation and VMT impacts are presented and quantified utilizing the OPR's Technical Advisory, as well as applicable CEQA Appendix G Checklist criteria. Currently there are no Kern County policies specific to the new CEQA Guidelines Section 15064.3. Therefore, in lieu of specific guidance and transportation thresholds provided by the County, OPR's Technical Advisory (OPR, 2018) is utilized which states that "small projects that would generate 110 trips per day or less generally may be assumed to cause a less than significant transportation impact and thus not warrant further VMT analysis."

As evaluated in greater detail below, the Project is conservatively anticipated to result in up to an additional 27 employees for Project reclamation activities, which would result in up to 54 employee one-way trips (one inbound and one outbound per employee) on the maximum operating day. These employee trips are fewer than the "Small Projects Generating less than 110 Daily Trips" threshold in OPR's Technical Advisory and, therefore, will have a less-than-significant impacts with respect to transportation impacts. Nonetheless, for informational purposes, this analysis also provides a summary of the VMTs associated with the Project activities.

EXISTING CONDITIONS & PROPOSED PROJECT

The Project is located approximately 6.0 miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in the southeastern part of Kern County, California (see Figure 1). It is located in an area mapped on the United States Geological Survey (USGS) 7.5-minute Monolith and Willow Springs 7.5-minute topographic quadrangles in all or portions of Sections 13 through 15, 23 through 28, 33, and 34 Township 11 North, Range 14 West (T11N, R14W), San Bernardino Baseline and Meridian (SBB&M); and

portions of Sections 19 and 30, Township 11 North, Range 13 West (T11N, R13W) SBB&M according to the US Geologic Survey.

The Project seeks to amend the current 1979 Reclamation Plan for CalPortland's Facility. CalPortland will continue vested operations in the existing reclamation plan area, but proposes to amend the current 1979 Reclamation Plan to accommodate reclamation of the Facility across the entirety of the vested site, including mineral resource recovery areas and material storage and overburden placement areas within. Additionally, the RPA also describes reclamation of internal haul/dirt roads, recontouring/regrading of slopes, and removal of ancillary equipment, structures and debris from the site as required under SMARA. The RPA also described revegetation of the reclaimed site for use as open space post-mining.

As discussed above, the Project does not propose any change to CalPortland's existing vested operations, specifically production levels, mining systems or processes, or ultimate throughput at CalPortland's Facility. CalPortland will continue operating at the same production levels following approval of the RPA. These existing vested operations are the "baseline" against which the Project's potential transportation impacts have been analyzed to determine whether the Project will result in a potentially significant environmental impact under CEQA.

Oak Creek Road, a single access road, currently provides ingress/egress to the Facility and directs all contractors and visitors to the main office where they must receive authorization prior to entrance into any of CalPortland's properties. CalPortland will continue to operate at the same production levels following Project approval, and will continue to utilize Oak Creek Road as the singular access point for the Facility. Accordingly, ongoing vested operations under the proposed RPA would not change any existing traffic activities, change or impact existing traffic patterns, or create additional vehicle trips on local roadways. For purposes of a conservative analysis, this report assumes reclamation activities will all occur during ongoing vested mining operations. In other words, this report treats all reclamation-related transportation impacts as impacts above the existing baseline. Project reclamation activities are anticipated to result in a maximum of up to 54 one-way employee trips per day for revegetation, grading, demolition, and monitoring activities. In reality, however, reclamation-related transportation trips will most likely occur following the completion of the ongoing vested mining operations, which would result in project trips being lower than baseline.

EXISTING TRIP GENERATION

The proposed Project (i.e., reclamation of the Project site) would not result in any change to the Facility's vested operations or throughput, or an increase in production above historical vested levels. As such, there will not be any changes to existing traffic volumes on the roadway network as a result of CalPortland's existing and future vested mining and processing operations.

As discussed above, the Project under consideration is specifically related to onsite reclamation activities only. Therefore, Project vehicle trips associated with the reclamation activities are considered. During reclamation, vehicles would travel to and from the Project site to transport employees and materials. Hydroseeding trucks would also be brought onsite as needed to facilitate revegetation of the Facility. No larger haul or delivery trucks would be required. According to information provided by CalPortland, the

Project would result in up to an additional 27 employees traveling to and from the Project site each day to conduct onsite reclamation, for a period of approximately two years.

In addition to employee vehicle trips, other larger heavy-duty trucks would also travel to and from the site during reclamation, primarily to transport waste/recyclables (including the material which comprises the cement plant) to appropriate facilities for disposal/recycling. It is important to note that OPR's guidance and Section 15064.3 of the CEQA Guidelines clearly state that "… '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" (OPR, 2018). For this reason, generally, heavy-duty trucks, or the movement of goods associated with industrial projects, are excluded from a project's VMT evaluation. Nonetheless, for informational purposes we have estimated the number of daily heavy-duty truck trips that would travel to and from the Project site during reclamation.

PROJECT TRIP/VMT GENERATION

Project Trip Generation

Reclamation traffic will be generated by slope preparation, hydroseeding exposed slopes, demolition and monitoring/project oversite. RS Means was used to identify the components and productivity of a hydroseeding crew and demolition crew. The RS Means guidance provides that a 5-person hydroseed crew can cover 80,000 square feet per day (about 1.8 acres) or about 550 acres per year if the crew works 300 days. Each crew is expected to create 5 rounds trips per day. We also assume that there will be grading and site prep for 150 days per year that will generate 5 round trips per day, while monitoring and oversight will occur 150 days per year and generate 2 round trips per day. Following is a table summarizing this level of activity.

Table 1 – Reclamation Trip Summary

Reclamation Activity	Days / Year	Roundtrips / Day	Roundtrips / Year	One-Way Trips / Day	One-Way Trips / Year
Hydroseeding	300	5	1,500	10	3,000
Slope Preparation	150	5	750	10	1,500
Monitoring	150	2	300	4	600
Totals:		**12**	**2,550**	**24**	**5,100**

Reclamation traffic will also be generated by the cement plant demolition, and equipment/material disposal. Demolition will be completed using onsite equipment and hauled from the site using on-road haul trucks. The total weight of demolition material that would be transported from the Project site is estimated to be approximately 60,000 tons, which would require approximately 2,400 trips. We have assumed demolition operations will take place 5 days per week, 250 days per year. We have also assumed there will be 15 round trips per day for additional employees during cement plant demolition. Following is a table summarizing the estimated haul truck and vehicle trips associated with reclamation demolition and equipment salvage activities.

Table 2 – Cement Plant Demolition Trip Summary

Reclamation Activity	Days / Year	Roundtrips / Day	Roundtrips / Year	One-Way Trips / Day	One-Way Trips / Year
Haul Trucks	250	6	1,500	12	3,000
Removal Personnel	250	15	3,750	30	7,500
Totals:		**21**	**5,250**	**42**	**10,500**

Employee VMTs

Based on information provided by CalPortland summarized above, the maximum number of employees that would operate onsite each day during reclamation activities would be up to 27 employees (i.e., 12 for conventional reclamation activities (e.g., hydroseeding, slope preparation, and monitoring), and 15 for demolition/salvage), which would result in up to 54 one-way trips per day. In order to estimate the average commute distance for each employee travel, default trip lengths from the California Emissions Estimator Model (CalEEMod) were utilized. Specifically, CalEEMod notes that the average home-to-work roundtrip length within rural areas of Kern County-Mojave Desert region is approximately 16.8 miles (CalEEMod, 2021). Therefore, it is estimated that the Project would result in approximately 16.8 VMTs per employee per day, generating a total of 453.6 VMTs per day. See the table below for more information.

Table 3 – Anticipated Employee VMTs

Equipment/Vehicle	Onsite Employees per Day	Daily Roundtrips	Daily One-Way Trips	Maximum Roundtrip Distance (miles)	Maximum Daily VMTs [A]
Reclamation Employee Automobiles	27	27	54	16.8	453.6
				Total Maximum Daily VMTs:	**453.6**

For the purposes of the VMT memo, this report conservatively assumes reclamation activities will all occur during ongoing vested mining operations. In other words, this report treats all reclamation-related transportation impacts as impacts above the existing baseline. In reality, however, reclamation-related transportation trips will most likely occur following the completion of the ongoing vested mining operations, which would result in project trips being lower than baseline. Maximum reclamation operations would include up to 27 employee roundtrips per day (and up to 54 additional one-way trips) for hydroseeding, grading and monitoring for VMT analysis purposes. These additional employee trips would be less than the "Small Projects Generating less than 110 Daily Trips" in OPR's Technical Advisory (Governor's Office of Planning and Research. 2018, December. Technical Advisory on Evaluating Transportation Impacts in CEQA. https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf) and would be screened out as having less-than-significant transportation impacts with respect to CEQA Appendix G Environmental Checklist for Transportation – Criteria (b): *Would the proposed Project conflict with or be inconsistent with CEQA Guidelines Section 15064.3(b)?* Nonetheless, the Project's estimated VMTs (see Table 3 above) has been disclosed in this memorandum for informational purposes.

APPLICABLE REGULATIONS

CEQA: As discussed above, the California legislature enacted SB 743 in 2013, which required, among other things, that the OPR adopt the new CEQA Guidelines Section 15064.3 – Determining the Significance of Transportation Impacts for assessing transportation impacts. OPR has replaced roadway capacity and vehicle delay measures, often displayed as Level of Service (LOS), with VMT, which estimates the total distance people drive by vehicle. Additionally, the Natural Resources Agency adopted revisions to the CEQA Guidelines, which included updates to the Appendix G, Environmental Checklist Form. The revisions were approved by the Office of Administrative Law and filed with the Secretary of State on December 28, 2018. This Transportation Memorandum includes the new Appendix G questions for the transportation impact area.

Kern County: Kern County has not yet adopted a VMT significance threshold for evaluating transportation impacts in CEQA Guidelines Section 15064.3 in response to SB 743.

State of California Governor's Office of Planning and Research (OPR): OPR developed interim guidance in December 2018 entitled, "*Technical Advisory on Evaluating Transportation Impacts in CEQA*" (Technical Advisory) for automobile VMT (i.e., light-duty vehicles). The OPR Technical Advisory provides non-binding technical advice, and is not a formal administrative regulation, like the CEQA Guidelines. However, it does provide a reasonable framework for lead agencies as they implement the CEQA Guidelines. This VMT analysis applies the criteria and guidance provided in this OPR Technical Advisory.

CEQA IMPACT ANALYSIS

CEQA Appendix G Checklist – Criteria (a): *Would the proposed Project conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

As described above, although the Project would require both light duty vehicles/automobiles and heavy-duty haul trucks to travel to and from the site each day to conduct reclamation activities, these trips would not exceed the trip count associated with the vested mining operations and would therefore not conflict with a program, plan, ordinance, or policy addressing the circulation system. Conversely, reclamation vehicle activity is expected to be far less than those associated with existing vested mining operations, which include many more onsite employees, cement/product deliveries, and other ancillary vehicles. Additionally, the Project would not change the manner in which vehicles access the Project site onto adjacent public roadways, or require the construction of new access driveways and/or alterations to nearby public roadways, or bicycle/pedestrian facilities. The existing ingress/egress access point would continue to sufficiently serve the site.

Furthermore, it is anticipated that reclamation activities would be temporary in nature, with active reclamation requiring approximately two years to complete. Additionally, because the Project location is an existing vested mining operation, the location of the reclamation activities is fixed and not subject to discretionary decisions. As such, the reclamation activities and trip levels would not result in permanent long-term impacts on the roadways within the vicinity of the Project site. For these reasons, the Project would not impact County programs, plans, ordinances, or policies related to transit, roadway, bicycle, or pedestrian facilities, and no new impacts or mitigation measures are required.

CEQA Appendix G Checklist – Criteria (b): *Would the proposed Project conflict with or be inconsistent with CEQA Guidelines Section 15064.3(b)?*

To address the CEQA Criteria b), OPR's Technical Advisory was reviewed to screen out the Project. The Technical Advisory suggests that lead agencies may screen out VMT impacts under CEQA based on project size, VMT generation characteristics, transit availability, and provision of affordable housing. Specifically, the following project types may be "screened out" as having less-than-significant transportation impacts per OPR's Technical Advisory Guidance:[1]

Small Projects Generating Less than 110 Daily Trips: OPR suggests a small project that would generate 110 trips per day or less generally may be assumed to cause a less-than-significant transportation impact and thus not warrant further VMT analysis.

Redevelopment Projects with a Net Decrease in VMT: Where a project replaces existing VMT-generating land uses, if the replacement leads to a net overall decrease in VMT, the project would lead to a less-than-significant transportation impact. If the project leads to a net overall increase in VMT, then the thresholds developed by the jurisdiction should apply.

Projects in Low VMT Areas: Residential and office (or other land use) projects that are located in areas with low VMT, and that incorporate similar features (i.e., density, mix of uses, transit accessibility), will tend to exhibit similarly low VMT and thus not warrant further VMT analysis.

Projects in Transit Priority Areas (TPAs): A TPA is an area within a half a mile of a major transit stop or a bus transit corridor with service intervals of no longer than 15 minutes during peak commute hours. A 'major transit stop' means "a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods" as defined by Public Resources Code Section 21064.3. OPR suggests that a project in TPA should generally be presumed to have less than significant impacts, but the presumption might not be appropriate if the project:

- Has a Floor Area Ratio (FAR) of less than 0.75.
- Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking).
- Is inconsistent with the applicable Sustainable Communities Strategy (SCS) (as determined by the lead agency, with input from the Metropolitan Planning Organization).
- Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

Local-Serving Retail Projects under 50,000 Square Feet: Because new retail development typically redistributes shopping trips rather than creates new trips, estimating the total change in VMT (i.e., the difference in total VMT in the area affected with and without the project) is the best way to analyze a retail project's transportation impacts. By adding retail opportunities into the urban fabric and thereby improving retail destination proximity, local-serving retail development tends to shorten trips and reduce VMT. Thus, lead agencies generally may presume such development creates a less-

[1] Governor's Office of Planning and Research. 2018, December. Technical Advisory on Evaluating Transportation Impacts in CEQA. https://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

than-significant transportation impact. Regional serving retail development, on the other hand, which can lead to substitution of longer trips for shorter ones, may tend to have a significant impact. Where such development decreases VMT, lead agencies should consider the impact to be less-than-significant. The Technical Advisory suggests that retail uses of less than 50,000 square feet might be considered local-serving.

Affordable Housing Projects: OPR guidance indicates that adding affordable housing to infill locations generally improves jobs-housing match, in turn shortening commutes and reducing VMT. Further, "… low-wage workers in particular would be more likely to choose a residential location close to their workplace, if one is available." In areas where existing jobs-housing match is closer to optimal, low-income housing nevertheless generates less VMT than market rate housing, therefore, a project consisting of a high percentage of affordable housing may be a basis for the lead agency to find a less-than-significant impact on VMT. Evidence supports a presumption of a less-than-significant impact for a 100-percent affordable residential development (or the residential component of a mixed-use development) in infill locations.

OPR also identified the following recommended VMT thresholds for projects that are not screened out under the criteria above:

Residential Projects: A proposed residential project exceeding a level of 15 percent below existing VMT per capita may indicate a significant transportation impact. OPR states these thresholds can be applied to either household (i.e., tour-based) VMT or home-based (i.e., trip based) VMT assessments.[2]

Office (Employment) Projects: OPR recommends that office (employment) projects that would generate vehicle travel exceeding 15 percent below existing VMT per employee for the region may indicate a significant transportation impact. OPR uses the term 'office'; however, the likely intent of the advisory is as employment.

Retail Projects: Because new retail development typically redistributes shopping trips rather than creating new trips, OPR recommends a threshold based on the total change in VMT (i.e., the difference in total VMT in the area affected with and without the project) as the best way to analyze a retail project's transportation impacts. A net increase in total VMT may indicate a significant transportation impact.

The thresholds identified by OPR described above were derived from the California Air Resources Board (CARB) *2017 Scoping Plan-Identified VMT Reductions and Relationship to State Climate Goals* (CARB Report) on the VMT reductions needed over current conditions (2015-2018) to meet the State's 2030 and 2050 climate goals.[3] The CARB Report includes non-binding technical information on what level of statewide VMT reduction would promote achievement of statewide GHG emission reduction targets. CARB asserts that the currently adopted SCSs throughout the state "would achieve in aggregate, a nearly

[2] OPR states that lead agencies can evaluate each component of a mixed-use project independently and apply the significance threshold for each project type included. In the analysis of each use, a project should take credit for internal capture. Alternatively, a lead agency may consider only a project's dominant use.

[3] California Air Resources Board (CARB). January 19. 2017 Scoping Plan-Identified VMT Reductions and Relationship to State Climate Goals. https://ww2.arb.ca.gov/resources/documents/carb-2017-scoping-plan-identified-vmt-reductions-andrelationship- state-climate

18 percent reduction in statewide per capita on-road light-duty transportation-related GHG emissions relative to 2005 by 2035, if those SCSs were successfully implemented." However, in order to meet the state climate goals, the full reduction needed is a 25 percent reduction in statewide per capita on-road light-duty transportation-related GHG emissions, and CARB has "determined that those targets would be infeasible for metropolitan planning organizations (MPOs) to achieve with currently available resources." CARB concluded (using assumptions of a cleaner fuels and technologies scenario) that a 14.3 percent reduction in total daily VMT per capita below existing conditions and a 16.8 percent reduction in light-duty VMT per capita below existing conditions were needed to meet these goals. The CARB Report is based on modeling that incorporates cleaner technologies and fuels assumptions consistent with the 2017 Scoping Plan Update, the 2022 Scoping Plan Update, and the 2016 Mobile Source Strategy.

Thresholds for Impacts to Goods Movement

Neither the Technical Advisory nor CEQA Guidelines Section 15064.3(a) directly addresses how to analyze transportation impacts associated with changes to goods movement, which is largely carried out by heavy-duty trucks. CEQA Guidelines Section 15064.3(a) specifies that VMT to be analyzed is defined as the amount and distance of *automobile travel* (emphasis added) attributable to a project. The term 'automobile' refers to on-road *passenger vehicles, specifically cars and light trucks* (emphasis added).[4] SB 743 is not intended to require the inclusion of heavy-duty truck trips, utility vehicles, or other types of vehicles in the VMT analysis.[5] In the case of trucks (other than light trucks), based on CARB's 2017 Scoping Plan, the State's strategy for the goods movement sector is not in VMT reduction, but in advances in technology [zero-emissions (ZE) and near-zero emissions (NZE) control strategies].[6]

Truck VMT

Similarly, as noted above, CEQA Guidelines Section 15064.3(a) specifies that VMT to be analyzed is defined as the amount and distance of *automobile travel* attributable to a project.[7] It does not require any analysis of increased VMT from heavy-duty truck trips. In fact, in CARB's 2017 Scoping Plan, as well as the 2022 Scoping Plan update, the State's strategy for the goods movement sector is not in VMT reduction, but in advances in technology [ZE and NZE control strategies].[8]

[4] Governor's Office of Planning and Research, December 2018, Technical Advisory on Evaluating Transportation Impacts Under CEQA, https://www.opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf, accessed January 10, 2021.

[5] South Coast coordinated with staff at OPR on January 12, 2021 to confirm how to address heavy-duty freight VMT in CEQA documents. OPR staff identified that the intent of SB 743 was to address passenger vehicle VMT impact and not freight VMT, as cited under CEQA Guidelines Section 15064.3(a). Therefore, lead agencies could exclude freight VMT from transportation VMT impact analyses under CEQA.

[6] California Air Resources Board, 2017, California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target, https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf, accessed on March 18, 2019.

[7] South Coast AQMD staff conducted extensive research on the state's guidance for how to analyze truck VMT under SB 743 in CEQA documents. Searches included reviews of OPR's December 2018 Technical Advisory, CARB's 2017 Scoping Plan Update, the California Natural Resources Agency's rulemaking documents for the Updates to the 2019 CEQA Guidelines, which includes the incorporation of SB 743 requirements, and consultation with SCAG staff.

[8] California Air Resources Board, 2017, California's 2017 Climate Change Scoping Plan: The Strategy for Achieving California's 2030 Greenhouse Gas Target, https://www.arb.ca.gov/cc/scopingplan/2030sp_pp_final.pdf, accessed on March 18, 2019.

Automobile VMT Impact Assessment

CEQA Guidelines 15064.3(a) clarifies that the primary consideration in evaluating a project's transportation impacts for CEQA purposes is the amount and distance that a project might cause people to drive. This captures two measures of transportation impacts: 1) the number of automobile trips generated; and 2) VMT. As described above, up to 27 employees would operate onsite each day during the Project reclamation activities, which would result in 27 automobile roundtrips (or 54 one-way trips) per day. This number of employees and their associated trips would be a small portion of the existing employee trips associated with the vested mining operations. For this reason, and because the Project is expected to generate far less than the OPR's 110-trips-per-day threshold for employee commute trips, the Project should be screened out from the need of further VMT analysis for employee commute trips in accordance with OPR's guidance.

As noted above, it is estimated that the Project would generate a total of approximately 453.6 VMTs per day due to onsite employees travelling to and from the facility during reclamation activities (see Table 3 above); however, because the Project would be screened out from further VMT analysis per OPR's guidance, this is provided for information purposes only. Additionally, as noted above, because the project location is an existing vested mining operation, the location of the reclamation activities and the automobile trips associated with reclamation are fixed and necessary to ensure the Project site can be fully reclaimed in accordance with SMARA. In addition, the temporary character of reclamation-related trips (approximately two years for completion of final reclamation) would not generate new VMTs on a permanent basis. For these reasons, while the Project is not a land use project per se as defined within OPR's guidance, and instead is a unique, temporary, and necessary activity at a pre-determined location, the Project would not conflict with or be inconsistent with CEQA Guidelines Section 15064.3(b). Thus, the proposed Project would result in less-than-significant transportation impacts under SB 743 from employee trips and associated automobile VMT.

CEQA Appendix G Checklist – Criteria (c): *Would the proposed Project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?*

As summarized above, the Project would not require permanent changes or increases in the number of daily vehicle trips traveling to and from the site each day, or changes to the existing ingress/egress access point, compared to existing/baseline operations associated with the vested mining operations. As such, the Project would not affect public roadways which could create hazards due to geometric design features or incompatible uses. No public road improvements are suggested or required as a result of the Project, and no temporary road closures would be required during Project reclamation activities. While some roadway improvements may be made throughout the life of the vested mining operations, these improvements would not be related to the Project or onsite reclamation, and any future improvements would be done in coordination with the County, as applicable. Changes to roadways during vested mining are not a component of the Project, as the Project being considered is the reclamation activities within the Project site. For these reasons, the Project would not result in alterations to nearby roadways, installation, or expansion of new driveways or geometric design features, or creation of incompatible uses along these roadways, and no impact would occur.

CEQA Appendix G Checklist – Criteria (d): *Would the proposed Project result in inadequate emergency access?*

As detailed above, the Project would not result in permanent changes or increases to the number of existing daily vehicle trips, as the reclamation activities are anticipated to be temporary in nature and would be completed within two years of initiation of the reclamation. Although the Project would, in the short term, generate vehicle trips traveling to and from the Project site during reclamation, these vehicles would continue to use the existing site ingress/egress access point(s) and would not impact County roadway networks or require alterations or temporary closures of public roadways. Furthermore, the estimated trip count associated with the Project does not exceed the existing trips associated with the vested mining operations. Therefore, public roadways would continue to have sufficient capacity to serve the existing number of vehicles traveling to and from the Project and provide adequate access for emergency vehicles. For these reasons, the proposed Project would not impede existing emergency access in the Project vicinity, and no impacts would occur.

CONCLUSION

Based upon the review of the Project and the analysis presented above, CalPortland's Mojave Life of Mine Reclamation Plan Amendment would not result in permanent changes or increases to the number of existing daily vehicle trips, or associated VMTs, beyond those associated with the baseline activity levels. When considering employee vehicle activity on County roadways and the associated VMTs, the Project's maximum daily vehicle trip county is anticipated to be 54 one-way trips, which is well below OPR's screening threshold of 110 trips per day. For these reasons, Project impacts were found to be less than significant for CEQA Guidance, Transportation – Environmental Checklist Criteria (a) through (d) above for the transportation impact area.

Please review and consider the attached information and feel free to contact me, Pearce Swerdfeger, P.E., or Graham Stephens at (805) 275-1515 if you have any questions or require additional information.

Kind regards,

John Hecht
Sespe Consulting, Inc.

Pearce Swerdfeger, P.E.
Sespe Consulting, Inc.

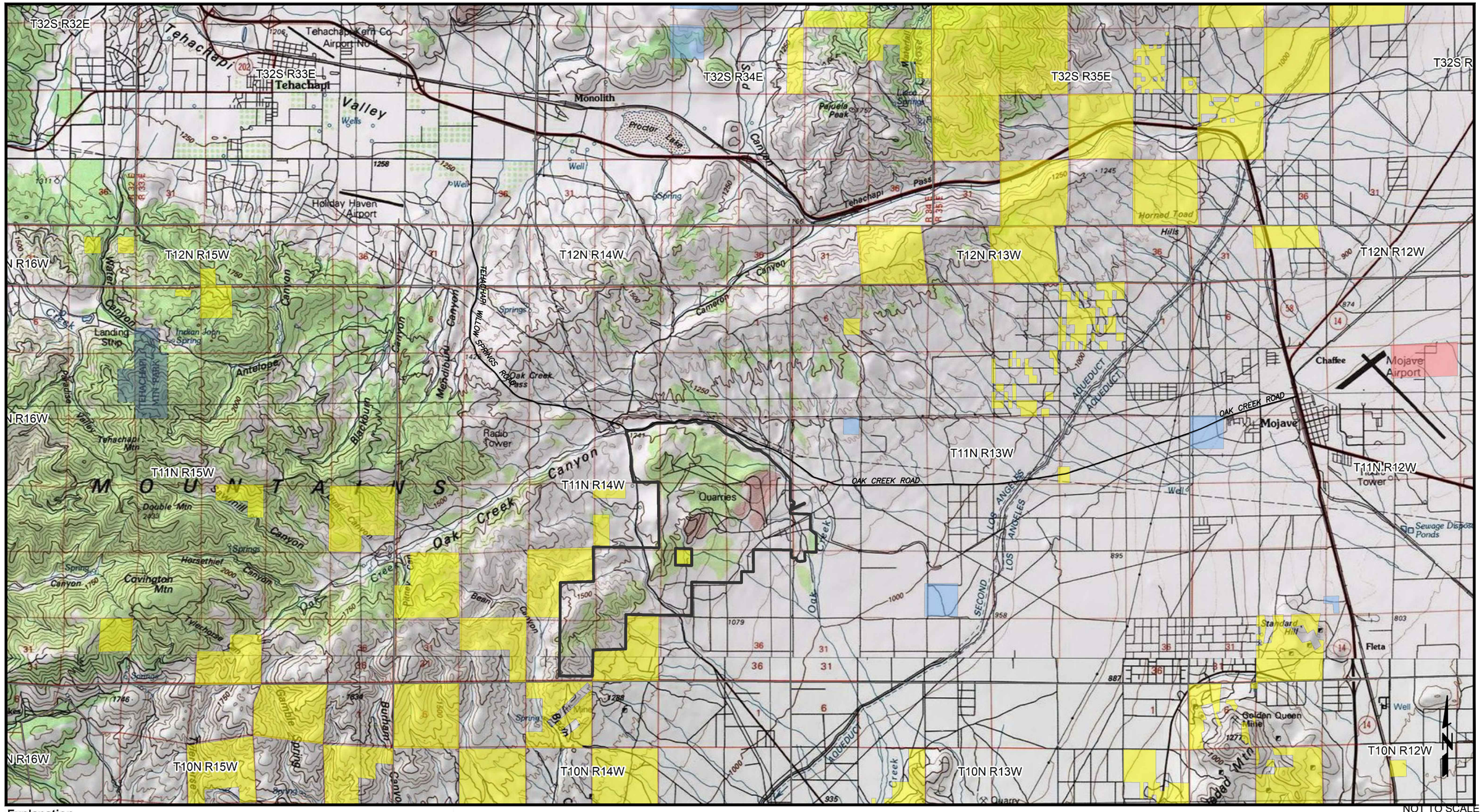
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ATTACHMENTS

1. Figures

ATTACHMENT 1

Figures



NOT TO SCALE

Explanation

Proposed Project Boundary

Land Status

- Military Reservations and Corps of Engineers
- Bureau of Land Management
- Local Government
- State Land
- Unclassified

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CALPORTLAND COMPANY
MOJAVE MINE LIFE EXTENSION PROJECT
PROJECT AREA LOCATION, ACCESS & LAND STATUS

SCALE: HORIZ. AS SHOWN VERT. AS SHOWN
FIGURE NUMBER 1
DRAWN BY:
CHECKED BY:
DATE: AUGUST 2021

Appendix L

Wildfire Resource Analysis Memorandum CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment

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July 8, 2025

Attn: Alison Everhart
CalPortland, Cement Division
2025 E. Financial Way
Glendora, California 91741-4692

Subject: **Wildfire Resource Analysis Memorandum – CalPortland Company, Proposed Mojave Mine Reclamation Plan Amendment**

This technical memorandum was prepared by Sespe Consulting, Inc. ("Sespe") on behalf of CalPortland Company ("CalPortland") to identify and analyze potential impacts related to wildfire resources associated with the proposed amendment to CalPortland's Reclamation Plan. CalPortland currently operates a limestone mining, processing operation and cement production facility near Mojave in Kern County ("County"), California ("Facility"). CalPortland is proposing to amend the existing 1979 Reclamation Plan for the Facility to cover mined lands associated with limestone reserves that are presently outside of the Reclamation Plan boundary, but within the vested mining area (the "Project"). Because approval of Reclamation Plan Amendment constitutes a discretionary action by the Surface Mining and Reclamation Act (SMARA) lead agency, which in this case is the County, it is considered a "Project" under the California Environmental Quality Act (CEQA).

Pursuant to CEQA, this memorandum describes the local and regional wildfire conditions that occur on and in the vicinity of the Project site. Potential resources and impacts related to wildfire are identified within the Project area, the potential effects that the Project may have on these resources and/or wildfire risks are discussed, and, if required, mitigation measures to address potentially significant impacts are identified.

PROPOSED PROJECT

In 1979, the County approved the Facility's current Reclamation Plan following SMARA's enactment in 1975. As was common for large mining operations subject to SMARA's new reclamation requirements, CalPortland requested that the 1979 Reclamation Plan include only the portions of the vested Facility that were subject to active mineral recovery and processing operations at the time.

At this time, CalPortland seeks to amend the 1979 Reclamation Plan for CalPortland's Facility to include reclamation of limestone reserves located outside the current 1979 Reclamation Plan boundaries, but within the vested Facility, as determined by Kern County. As required by SMARA, the Reclamation Plan Amendment would also update the reclamation standards applicable to the Facility to SMARA's current, modern requirements. These current reclamation requirements are set out in SMARA Section 2772.1 and Articles 1 and 9 of the SMARA Regulations (codified at Section 3500 et seq. of title 14 of the California Code of Regulations).

The Project does not propose any change to CalPortland's existing Facility production levels, mining

systems or processes, or ultimate throughput at CalPortland's existing cement production facility. The Reclamation Plan Amendment is necessary to allow CalPortland to complete reclamation of mineral recovery activities across the full extent of the vested Facility. Accordingly, this wildfire analysis evaluates the Project's impacts with respect to performing the reclamation activities identified in the Reclamation Plan Amendment over the vested area.

EXISTING SETTING

The Project is located approximately 9.0 miles southeast of the City of Tehachapi and 8.5 miles west of the town of Mojave, in Kern County, California (Figure 1). The site is located at the western edge of the Mojave Desert, within and adjacent to foothills of the Tehachapi Mountains south of Oak Creek Canyon. The surrounding topography varies greatly within the Project area, containing rocky hillsides, desert scrubland, rolling hills, and desert washes. The elevation of the Project area ranges from approximately 3,420- to 6,085-feet above mean sea level (amsl).

The areas surrounding the Project site are primarily comprised of barren and undeveloped desert land, with few structures or built-out land uses. Oak Creek Road, which connects to the Facility entrance, runs east-west along the site's northern boundary, and Tehachapi Willow Springs Road bisects the Project site and runs north-south along a portion of the Project site's western boundary. The surrounding land uses consist of open space, renewable energy generation (i.e., wind turbines), and other existing mining and industrial uses. Other than large wind turbines and associated infrastructure, there are few existing structures or developed land uses in the areas immediately adjacent to the Project site. Please see Figure 1, which displays the regional Project site setting.

Generally, the region has climate typical of the Mojave Desert, with hot, dry summers and mild winters with sporadic precipitation. Per the Western Regional Climate Center (WRCC), the average maximum temperature in Mojave is 97.6 degrees Fahrenheit (°F) in July, and the average minimum temperature is 32.9 °F in December. The average annual precipitation is 5.9 inches and tends to peak in February in the form of rain (WRCC, 2021). This climate has made the region relatively stable, yet dry, throughout the year with regard to fluctuating weather patterns.

Access to the Project site reclamation areas would continue to be provided by the existing main access point located near the existing cement plant, connecting to Oak Creek Road between State Route 58 and Tehachapi Willow Springs Road. This existing access road connecting to Oak Creek Road has and will continue to provide ingress/egress to the Facility and directs all contractors and visitors to the main office where they must receive authorization prior to entrance into any of CalPortland's properties.

As shown on Figure 2, portions of the Project site are located within areas of Kern County designated by the California Department of Forestry and Fire Protection (CalFire) (https://calfire.ca.gov) as having either "Moderate", "High" or "Very High" Fire Hazard Severity Zones (FHSZ) in State Responsibility Areas (SRA). Though not shown, the entirety of the Project site is also located within Local Responsibility Area (LRA).

APPLICABLE REGULATIONS

Kern County Multi-Jurisdictional Hazard Mitigation Plan

Kern County, along with 62 other participating agencies/jurisdictions, has developed the Kern Multi-Jurisdictional Hazard Mitigation Plan (MJHMP). The County's current MJHMP, developed/published in 2014, is in the process of being updated. The intent of MJHMP is to use sustained, long-term action to

reduce and/or eliminate loss of life and property as a result of natural hazards through appropriate hazard mitigations. Hazard mitigation is defined by the Federal Emergency Management Agency (FEMA) as "*any action taken to reduce or eliminate the long-term risk to human life and property from natural hazards*." FEMA also defines a "hazard" as "any event or condition with the potential to cause fatalities, injuries, property damage, infrastructure damage, agricultural loss, environmental damage, business interruption, or other loss."

The purpose of the MJHMP is to demonstrate the plan for reducing and/or eliminating risk in the unincorporated area of the County and within areas and other special districts overseen or managed by the County and County Fire Department. The County MJHMP is a "living document" that is reviewed, monitored, and updated to reflect changing conditions and new information. As required by law, the MJHMP is updated every five years to remain in compliance with regulations and federal mitigation grant conditions. The current County MJHMP was approved by FEMA in 2014, and is currently in the process of being updated.

Kern County Code of Ordinances

Kern County Code of Ordinances, Section 23.0301–23.0319 requires that "*every owner, manager or person in charge of or in control of any…business…in the urbanized portion of the unincorporated part of the county to maintain his premises free of excessive accumulations of any weeds or other hazardous growths which may endanger or injure neighboring property or by the nature of such growths…may create fire, health or safety hazards for property or persons*" (Section 8.46.010). County Ordinances potentially applicable to the proposed Project related to wildfire are summarized below:

Chapter 8.46: Weeds and Other Hazardous Growths

Section 8.46.010: Excessive Accumulations Declared Nuisance – Urban Parts of Unincorporated County:	It shall be the duty of every owner, manager or person in charge of or in control of any residential unit, multiple-dwelling unit, hotel, motel, business, or vacant lot in the urbanized portion of the unincorporated part of the county to maintain his premises free of excessive accumulations of any weeds or other hazardous growths which may endanger or injure neighboring property or by the nature of such growths may attract or harbor insects and rodents or may provide a breeding place for them, may create fire, health or safety hazards for property or persons. Such excessive accumulations of weeds or other hazardous growths are declared a public nuisance and may be abated as provided in this chapter.

Chapter 17.32: Fire Code

Section 17.32.085 (Section 4906.1 Amended) – General:	Section 4906.1 of Chapter 49 of the Kern County Fire Code is amended to read as follows: **4906.1 General.** A Fire Protection Plan shall be required for all new development within the Wildland-Urban Interface Fire Area. The Fire Protection Plan shall include mitigation measures consistent with the unique problems resulting from the location, topography, geology, flammable vegetation and climate of the proposed site. The Fire Protection Plan shall address water supply, access, fire resistance of buildings, fire protection

systems and equipment, defensible space and vegetation management.

The Fire Protection Plan shall be consistent with nationally recognized standards. The Fire Protection Plan must meet the approval of the Fire Chief.

Chapter 17.34: Wildland-Urban Interface Code

Section 17.34.010: Wildland Urban Interface Code – Adopted:	That certain Code known and designated as the "International Wildland-Urban Interface Code," 2018 Edition, including Appendix Chapters A and C published by the International Code Council, as modified and amended by this chapter, is adopted by reference into this Chapter, and is hereby collectively declared to be the Kern County Wildland-Urban Interface Code for the purpose of regulating the safeguarding of life, property and public welfare to a reasonable degree from the hazards of fire from wildland fire exposures and fire exposures from adjacent structures and to mitigate structure fires from spreading to wildland fuels.
Section 17.34.040: Section 107.2 Amended – Permits Required:	Section 107.2 of Chapter 1 of the Kern County Wildland Urban Interface Code is amended to read as follows: **107.2 Permits Required.** Unless otherwise exempted, no building or structure regulated by this code shall be erected, constructed, altered, repaired, moved, removed, converted, or demolished unless a separate permit for each building or structure has first been obtained from the building official. For buildings or structures erected for temporary uses, see Appendix A, Section A 108.3 of this code. A permit shall be obtained for the activities, operations, practices or functions within a wildland-urban interface area when required by the Kern County Fire Code.

Certain requirements found in the County Code of Ordinances do not apply to this Project. The County's applicable Code of Ordinance and associated General Plan policies and program are further discussed below under CEQA Appendix G Checklist – Criteria a).

Kern County Fire Department – Fire Hazard Reduction Program

In accordance with Kern County Ordinance Codes within Chapter 8.46, all Kern County property owners whose properties are located within SRA's are required to perform fire hazard reduction clearance on all property they own by June 1st of every year. The goal of the Kern County Fire Department's (KCFD's) Fire Hazard Reduction Program (FHRP) is to protect life and property by providing an effective public education and regulation program that reduces hazards resulting from improper and/or inadequate defensible spacing. This reduction of hazards increases firefighter and public safety, as well as improves our ability to protect your property in the event of a fire.

Property owners who fall within the required guidelines are expected to maintain their property free of fire hazards and accumulated vegetation growth throughout the year. All structures on properties subject to the County's FHRP, regardless of construction type or use, are required to have a minimum of 30-feet of clearance and 100-feet of fuel reduction, or to the property line if closer. Any vegetation within these

zones should be green, ornamental trees, grass and shrubs only, and should be spaced out and have sufficient ground clearance to discourage fire spread. For vacant properties with no structures, applicable properties are required to provide a minimum 10-foot fuel break along all property lines that lie within 100-feet of any structures on neighboring properties.

Kern County Fire Department – Ready, Set, Go! Program

KCFD's "Ready, Set, Go!" program and related documentation also provides guidance for property owners during a wildfire event (Kern County Fire Department, 2021). Various topics covered within the "Ready, Set, Go!" plan include creation of defensible spaces around structures, hardening of roofs and vents, and establishment of emergency access routes. Though the majority of recommendations within this plan pertain to residential properties, applicable recommended best practices would be implemented for CalPortland's operations.

Kern County General Plan

The Land Use/Conservation/Open Space (Chapter 1) and Safety (Chapter 4) Elements of the Kern County General Plan (Kern County, 2009) outlines goals and policies to achieve community protection from risks associated with natural and man-made hazards, including wildfire hazards. The General Plan contains general hazard and risk reduction strategies and policies to minimize potential dangers to residents, workers, and visitors; reduce the level of property loss resulting from potential disasters; and identify ways to respond and evacuate during crisis situations. Potentially applicable General Plan policies are listed below:

Chapter 1 – Land Use/Conservation/Open Space Element

Section 1.8 – Industrial

Implementation Measure

I) Discretionary projects located within an Extreme, High, or Moderate Fire Hazard Zone shall abide by building materials and construction requirements set forth by the Kern County Fire Department and Office of Emergency Services.

Chapter 4 – Safety Element

Section 4.6 – Wildland and Urban Fire

Policies

1) Require discretionary projects to assess impacts on emergency services and facilities.
2) The County will encourage the promotion of public education about fire safety at home and in the work place.
3) The County will encourage the promotion of fire prevention methods to reduce service protection costs and costs to taxpayers.
4) Ensure that new development of properties have sufficient access for emergency vehicles and for the evacuation of residents.
5) Require that all roads in wildland fire areas are well marked, and that homes have addresses prominently displayed.
6) All discretionary projects shall comply with the adopted Fire Code and the requirements of the Fire Department.

Implementation Measures

A) Require that all development comply with the requirements of the Kern County Fire Department or other appropriate agency regarding access, fire flows, and fire protection facilities.
B) The provision of an adequate water supply for fire fighting purposes should be encouraged for all housing areas where an inadequate supply now exists.

Kern County Emergency Operations Plan

The Kern County Emergency Operations Plan (EOP) addresses the County's response to emergencies associated with natural disasters or human-caused emergencies. The County is the lead agency for the Kern Operational Area and is tasked to coordinate emergency activities between the county, cities, and special districts and to serve as a communications link focusing on the collection, processing, and dissemination of vital disaster information. The EOP provides for the integration and coordination of planning efforts of the County/Operational Area with those of its cities, special districts, and the state. The content is based on guidance provided by the California Emergency Management Agency (CEMA), the Federal Emergency Management Agency (FEMA), and the Department of Homeland Security (DHS). The intent of the EOP is to facilitate emergency response and short-term recovery by providing a framework for response to all significant emergencies, regardless of the nature of the event.

CEQA IMPACT ANALYSIS

As discussed above and shown in Figure 2, per the most recent FHSZ map adopted by CalFire on November 7, 2007, the Project site is located within both a "state responsibility area (SRA)" and a "very high fire hazard severity zone (VHFZSZ)" and is therefore subject to the CEQA wildfire criteria. According to Appendix G of the State CEQA Guidelines, because the Project site occurs in or near a state responsibility area or lands classified as very high fire hazard severity zones, the Project would have a significant effect if it would:

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of wildfire?

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?

d) Expose people or structures to significant risk, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

CEQA Appendix G Checklist – Criteria (a): *Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?*

As discussed above, the Project is subject to the applicable requirements outlined in adopted Kern County emergency response and evacuation plans for the area. Additionally, the Kern County General Plan and County Code of Ordinances contains various goals and policies that specify emergency response procedures, evacuation routes, etc. The KCFD also publishes various plans and guidance documents related to emergency response and evacuation procedures in the unlikely event of a wildfire.

The KCFD's Emergency Operations Plan (EOP) provides a comprehensive, single source of guidance and procedures for the County to prepare for and respond to significant or catastrophic natural,

environmental or conflict-related risks that produce situations requiring coordinated response. The KCFD also publishes the "Ready, Set, Go!" (Kern County Fire Department, 2021) which provides guidance to property owners on how to evacuate safely during wildfires. These documents also provide guidance to County agencies and first responders regarding abatement of various emergencies, identification of organizational structures and relationships, and responsibilities and functions necessary to protect life and property. CalPortland would continue to adhere to the guidance provided by the KCFD related to emergency preparedness and evacuation during Project reclamation activities.

The Project is the proposed Amendment to CalPortland's 1979 Reclamation Plan to address reclamation across the vested Facility and to meet SMARA's current reclamation standards. The Project does not propose any change to the CalPortland's existing production levels, mining systems or processes, or ultimate throughput from the existing vested operations. As such, there would also be no change to existing traffic volumes on the roadway network. Specifically, there would be no increase in the number of onsite employees or employee vehicles, nor would additional haul trucks enter onto or exit the Project site via public roadways during reclamation. Conversely, the haul truck activity is expected to decrease during Project reclamation compared to existing levels associated with CalPortland's vested operations, as existing cement deliveries would be discontinued and there would be no significant material quantities imported/exported during reclamation.

Additionally, the Project would not change the manner in which existing vehicles and haul trucks access or egress the Facility. The site is located in a rural, sparsely developed area with limited population. The existing ingress and egress access route in and out of CalPortland's Mojave Facility is near the northeast corner of the Project site, connecting to Oak Creek Road. This road would continue to serve as the single ingress and egress point for the Project during reclamation, and would only be used by the onsite employees, smaller transport trucks, and other small work trucks and vehicles. In the unlikely event that a wildfire threatens the Project site, evacuation from the Project site would occur from this single access point to Oak Creek Road to the northeast. Given there is no change in Facility employees, contractors or vendors, and that only a limited number of employees and/or contractors/vendors that would be onsite at any given time, the continued use of a single evacuation point along Oak Creek Road would not result in new impacts as a result of the proposed Project. The addition of a nominal number of vehicles onto Oak Creek Road during an emergency evacuation would not result in congestion or obstruction of access along any local roadways that would impair emergency response or public safety.

Chapter 4 of the Kern County General Plan (Kern County, 2009) contains various goals and policies pertaining to emergency response/evacuation in the unlikely event of a wildfire. Specifically, policies within Chapter 4.6 (Wildland and Urban Fire) of the General Plan require discretionary projects to assess impacts on emergency services and facilities, and ensure that new development of properties have sufficient access for emergency vehicles and for the evacuation of residents. As discussed above, the existing access points and evacuation routes in and out of the Facility, including Oak Creek Road, would had adequate capacity to accommodate the limited number of vehilces that would need to excavate the Project site if a wildfire were to occur.

Although not specific to emergencies or evacuations, during reclamation CalPortland would continue to manage weeds and other hazardous vegetation onsite that may create fire, health or safety hazards for property or persons in accordance Chapter 8.46 (Weeds and Other Hazardous Growths) of the Kern County Code of Ordinances. Once onsite reclamation activities commence, the majority of the site, particularly the active mine pit, stockpile areas, and associated haul roads, would be disturbed and

maintained in a manner that is largely devoid of vegetation and potentially flammable debris. Additionally, continued compliance with weed abatement requirements during vested mining operations would ensure vegetative fire fuel loads would be minimized across the site. Although portions of the site would be revegetated as part of Project reclamation, the revegetation seed mix includes a high percentage of native grassland species, which generally have fire resistant characteristics. Additionally, noxious weeds would be actively managed throughout the Project site during reclamation in accordance with SMARA Section 3705 (Performance Standards for Revegetation). As such, the Project is consistent with this ordinance.

Chapters 17.32 and 17.34 of the County Code also discuss requirements for sites located within the "Wildland-Urban Interface (WUI)" areas. Per CalFire's most recent "WUI" map, the Project site is not located within a designated WUI. There is an area just north of the Project site designated as a wildfire "Influence Zone", which is defined as areas that contain "wildfire susceptible vegetation" up to 1.5 miles from a WUI or Wildland Urban Intermix area as designated by CalFire. Because the Project site is not located within a WUI, it is consistent with this ordinance.

Lastly, CalPortland's operations managers and personnel would continue to be trained in fire prevention and emergency response, and fire suppression equipment would continue to be maintained onsite during Project reclamation. Reclamation would comply with applicable existing state and local codes and ordinances as previously described above related to the maintenance of mechanical equipment, handling and storage of flammable materials, and cleanup of spills of flammable materials to minimize the potential for such activities to cause a wildfire event or to induce the spread of wildfire.

For the reasons outlined above, the Project would not create any new impediments to existing evacuation routes or result in unsafe conditions in the event of a wildfire. The existing access point in the northeast corner of the Project site would allow for the safe evacuation of onsite employees and vehicles onto Oak Creek Road. Additionally, the Project would not conflict with any of the applicable emergency response or evacuation plans, policies and procedures found in the County's General Plan, Code of Ordinances or other emergency plans, nor would it impede safe and orderly evacuation of people and vehicles via Oak Creek Road. Therefore, the Project would have a less than significant impact with no mitigation measures are required.

CEQA Appendix G Checklist – Criteria (b): *Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of wildfire?*

As shown on Figure 2, the portions of the Project site south of Tehachapi Willow Springs Road are designated as "very high" FHSZs. Once Project reclamation commences, the majority of the Project site would be disturbed due to vested mining operations, and would therefore be generally devoid of vegetation. Additionally, any debris, structures and equipment would be removed during site reclamation in accordance with local, state and federal regulations. As such, there would be no permanent buildings or structures installed and/or remaining post-reclamation that would create or exacerbate a fire hazard on the Project site.

The Project site would also be revegetated as part of reclamation. The proposed revegetation seed mix species would be native and drought-tolerant (i.e., low-lying shrubs and grasses), and would therefore not result in a substantial increased fire risk. Ultimately, because the site will be cleared of all existing structures and stressed vegetation, no new structures would be constructed, and because proposed

revegetation species would be native and not prone to wildfires, the Project would decrease wildfire risk to Project personnel and vendors compared to the existing onsite conditions.

In addition to being generally devoid of vegetation, the Project site would also have stable walls within the final excavation pits and/or various overburden stockpiles located throughout the site. The cleared mining and stockpile areas and pit slopes would serve as a barrier between adjacent County lands in the unlikely event of a nearby wildfire. Due to these conditions, and the fact that the proposed revegetation seed mix is comprised of native plant species/a variety of drought deciduous subshrubs, the site is expected to act as a "fire break" or "safe zone" minimizing the spread of a fire. Thus, the Project and reclamation of the site would ultimately reduce the risk of wildfire hazards to nearby areas compared to the conditions that currently exist.

During onsite reclamation activities, flammable materials would be managed in accordance with applicable federal, state, and local regulations as described above. The fire station closest to the Project site is Kern County Fire Station #14 located at 1953 CA-58 BUS, Mojave, California 93501, approximately 8.1 miles to the east of the Project site entrance on Oak Creek Road. In the unlikely event of a fire originating onsite, response time to the Project site would be within an acceptable range.

For these reasons outlined above, the Project would result in no impact and is not expected to exacerbate a wildfire risk or expose Project personnel and vendors to increased risk due to uncontrolled wildfire.

CEQA Appendix G Checklist – Criteria (c): *Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?*

As discussed above, no permanent buildings, structures or equipment would remain on the Project site post-reclamation. Any structures, including processing plants and/or the cement plant, will be dismantled and removed once mining operations have stopped and reclamation commences. Additionally, no permanent electrical service connections and/or related infrastructure would remain onsite post-reclamation, and no other utility infrastructure (electrical, natural gas, sewer, etc.) would be installed or would remain post-reclamation.

While no permanent fuel tanks would be installed or remain onsite post-reclamation, at times a mobile fuel and/or maintenance truck may be brought onsite to serve and refuel mobile equipment operating during reclamation. The Facility has an existing site-specific Storm Water Pollution Prevention Plan (SWPPP), which would continue to be implemented during reclamation. The SWPPP includes Best Management Practices (BMPs) that specifically address the prevention and, if needed, response to onsite spills of hazardous materials, including fuels and flammable materials (e.g., use of catch trays, cleanup measures in the event of a spill, etc.). Implementation of these procedures would mitigate the minimal potential for fires due to hazardous releases during equipment fueling and maintenance.

Since the Project would not involve the installation of any permanent new infrastructure that may exacerbate fire risk, and because mobile equipment fueling and maintenance within the Project site would be conducted in accordance with CalPortland's existing safety and spill prevention procedures, the Project would have a less than significant impact in terms of potential to generate onsite fires. Therefore, impacts are considered less than significant with no mitigation measures are required.

CEQA Appendix G Checklist – Criteria (d): *Would the project expose people or structures to significant risk, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?*

As discussed above, implementation of the Project would not involve the placement of permanent structures or housing on the Project site, therefore the Project would not expose people or structures onsite to significant risks. In addition, the pits and overburden stockpiles, most of which would remain post-reclamation, would generally direct any floodwaters, drainage and/or landslides away from people and structures located offsite. The Project site would therefore act as a barrier that would contain any post-fire instability, such as changes to drainage and/or generation of landslide materials. As shown on Figure 1, there are no adjacent structures, residential neighborhoods or areas (parks, trails, etc.) consistently occupied by people on or adjacent to the Project site. For these reasons, the Project would not expose people or structures to significant risks associated with flooding or landslides. Conversely, the Project could potentially reduce the risk to people and structures in the surrounding areas compared to existing conditions. Therefore, the Project would have no impact related to runoff, post-fire instability, or drainage after wildfires.

In addition, the reclaimed pit slopes and/or overburden stockpiles would comply with SMARA slope stability requirements and performance standards. If needed, the slopes would be inspected by a California Certified Engineering Geologist (CEG) for unsafe slope conditions following a natural disaster, such as wildfire, prior to continuation of reclamation activities. Due to the stability of the proposed pit design and proposed ongoing slope inspections/maintenance, the Project would ensure that safe onsite slope conditions would be maintained following the unlikely event of a wildfire, and no additional mitigation measures are required.

CONCLUSION

As discussed above, per the current CEQA Guidelines, the proposed Project will have a less than significant impact in terms of “wildfire” resources with no mitigation measures required. Please call John Hecht or me at (805) 275-1515 if you have any questions or if you need additional information.

Respectfully submitted,

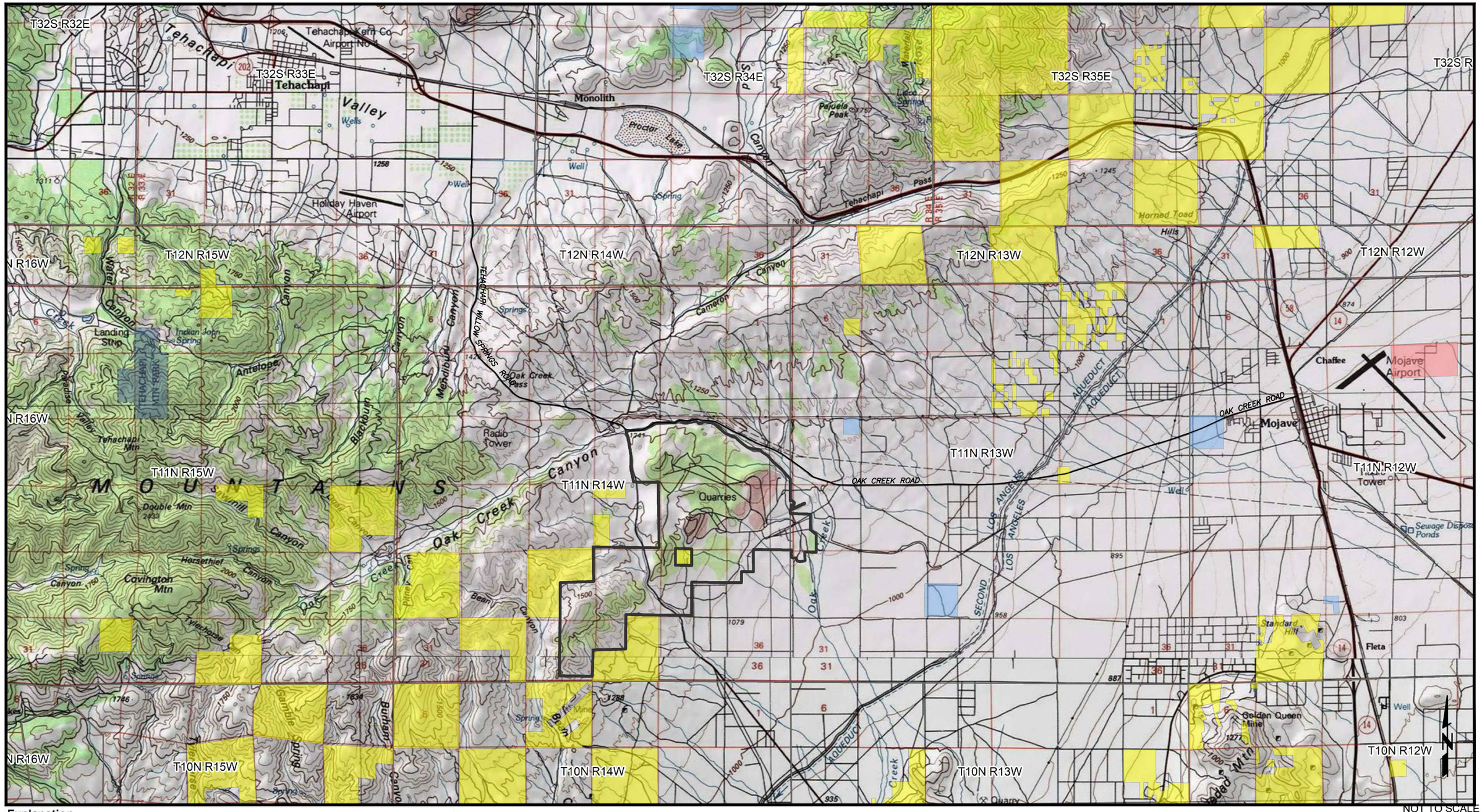
Graham Stephens
Sespe Consulting, Inc.

ATTACHMENTS

- Figures

ATTACHMENT 1

Figures



NOT TO SCALE

Explanation

Proposed Project Boundary

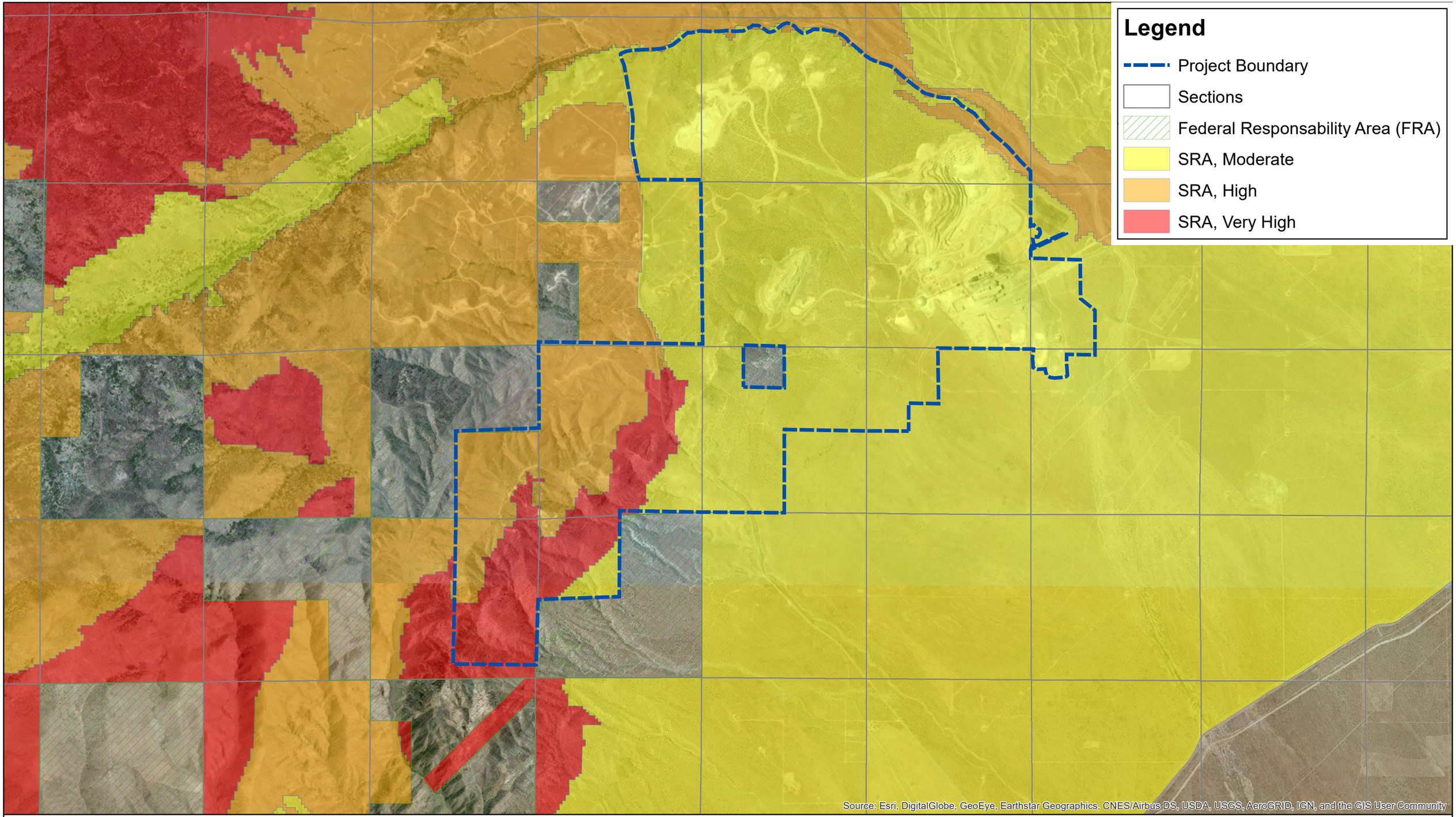
Land Status

- Military Reservations and Corps of Engineers
- Bureau of Land Management
- Local Government
- State Land
- Unclassified

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CALPORTLAND COMPANY
MOJAVE MINE LIFE EXTENSION PROJECT
PROJECT AREA LOCATION, ACCESS & LAND STATUS

SCALE: HORIZ. AS SHOWN VERT. AS SHOWN
FIGURE NUMBER 1
DRAWN BY:
CHECKED BY:
DATE: AUGUST 2021



N

0 2,800 5,600 11,200 Feet

SESPE CONSULTING, INC.
A Trinity Consultants Company

FIGURE 2 - FIRE HAZARD SEVERITY ZONES IN STATE RESPONSIBILITY AREA (SRA)