



Community and Economic Development Planning Division

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PLANNING COMMISSION DATE: August 6, 2024

AGENDA ITEM: #1

| | | |
|------|---|--|
| PM | #4318 | Parcel Map to divide a 556.7 parcel into two parcels (Parcel 1 - 516.7 acres & Parcel 2 - 40 acres) |
| CUP | #2024-003 | Conditional Use Permit for a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility |
| APN | #041-222-005, 041-231-04, 042-081-004, & 042-082-0060 | Applicant: Firebaugh CSG LLC Owner: Lasgoity Rosemary Trustee |
| CEQA | MND #2024-070 | Mitigated Negative Declaration |

REQUEST:

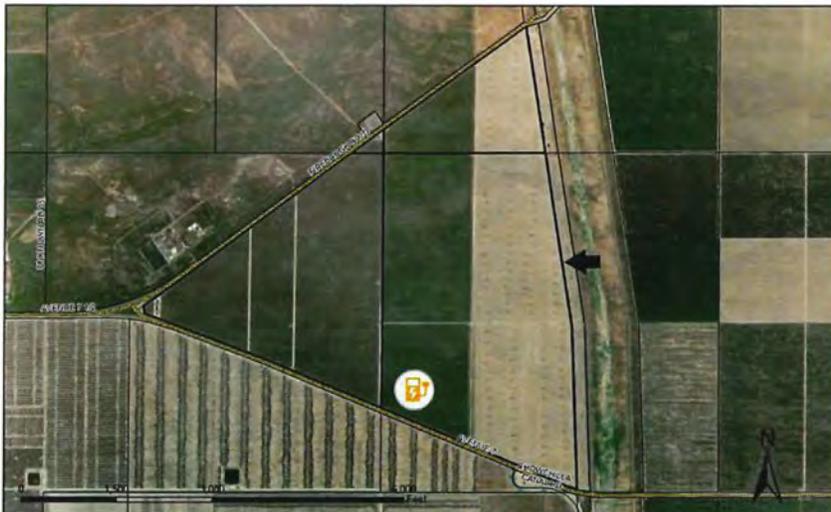
The applicant is requesting a Parcel Map (#4318) to divide a 556.7 parcel into two parcels (Parcel 1 - 516.7 acres & Parcel 2 - 40 acres) and a Conditional Use Permit (#2024-003) for a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage.

LOCATION:

Located on the north side of Avenue 7, approximately 0.8 miles east from the intersection with Firebaugh Boulevard, (No Situs), Madera.

ENVIRONMENTAL ASSESSMENT:

A Mitigated Negative Declaration (MND #2024-07) (Exhibit Q) has been prepared and is subject to approval by the Planning Commission.



RECOMMENDATION: Adoption of a resolution approving Parcel Map #4318 and Conditional Use Permit #2024-003 subject to conditions, Findings of Fact, Mitigated Negative Declaration #2024-07 and associated Mitigation Monitoring Program.

GENERAL PLAN DESIGNATION (Exhibit A):

SITE: AE (Agricultural Exclusive) Designation

SURROUNDING: AE (Agricultural Exclusive) Designation; OS (Open Space) Designation

ZONING (Exhibit B):

SITE: ARE-40 (Agriculture, Rural, Exclusive 40 Acre) District

SURROUNDING: ARE-40 (Agriculture, Rural, Exclusive 40 Acre) District; ARE-20 (Agriculture, Rural, Exclusive 20 Acre) District; OS (Open Space) District

LAND USE:

SITE: Agriculture

SURROUNDING: Agriculture

SIZE OF PROPERTY: 556.7 Acres

ACCESS (Exhibit D): The property is accessed by Avenue 7 and Firebaugh Boulevard.

BACKGROUND AND PRIOR ACTIONS:

No previous actions.

PROJECT DESCRIPTION:

This is a request for a Parcel Map (#4318) and Conditional Use Permit (#2024-003) to construct a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity. The PV solar array with attached battery storage will generate and store clean renewable solar energy with electricity offtake sold to residential customers within Madera County and the larger PG&E utility territory. The Project will occupy approximately 25 acres of the 40-acre parcel created by Parcel Map #4318. The Project will utilize approximately 12,500 solar modules. The modules are manufactured offsite and will be delivered to the site by truck in wooden crates or cardboard boxes. Each module will measure approximately 3.4 feet by 7.2 feet and will be rated at approximately 550 watts. Solar modules are fully enclosed in metal and glass frames, typically 1 module high and will rotate throughout the day to maximize sun exposure.

The Project point of interconnection will be on the north along Firebaugh Boulevard and will connect with the existing PG&E Newhall substation. The solar array and all balance of system equipment will be enclosed in a seven-foot-tall chain link fence in compliance with the National Electric Code. The fence will have at least one vehicle access gate at the boundary of the array, which will always remain locked, except during operations and maintenance activities. A Knox box will be installed at the entrance gate to provide 24-hour access for emergency responders. Once the Project is complete, it will operate seven days a week, twenty-four hours a day. The Project is anticipated to have four employees for maintenance throughout the year.

ORDINANCES/POLICIES:

Chapter 18.53 of the Madera County Zoning Ordinance outlines the permitted uses within the ARE-40 (Agricultural, Rural, Exclusive 40 Acre) District.

Chapter 18.92 of the Madera County Zoning Ordinance outlines the procedures for the processing and approval of conditional use permits.

Part 1 of the Madera County General Plan outlines the AE (Agricultural Exclusive) designation.

ANALYSIS:

The Project is located on the north side of Avenue 7, approximately 0.8 miles east from the intersection with Firebaugh Boulevard, (No Situs), Madera. The Project site is topographically flat and is currently planted for a vineyard. The applicant proposes to construct a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity. The PV solar array with attached battery storage will generate and store clean renewable solar energy with electricity offtake sold to residential customers within Madera County and the larger PG&E utility territory. The Project will occupy approximately 25 acres of the 40-acre parcel created by Parcel Map #4318.

The Project will include a Battery Energy Storage System (BESS), intended to store electrical energy produced by the Project during the day and flexibly dispatch it to the grid when it is most needed, typically in the evening. The BESS will be comprised of 2 separate battery banks located centrally within the Project footprint. Firebaugh CSG 1 LLC will utilize current battery technology with an emphasis on safety. The Project will include several redundant safety measures such as hydrogen detection and active ventilation, fire detection and remote shutdown, fireproof insulation, and internal fire suppression technology. Access

roads will be placed throughout the facility so that sufficient access to the BESS is provided.

The site will be accessed via Avenue 7 (Ripperdan Avenue). Where necessary, the access road will be upgraded using gravel and geotextile fabric and extended into the Project's fence line. The access road will terminate at the Project's equipment pad with a hammerhead turnaround to accommodate maintenance vehicles. The road will be wide enough to accommodate emergency vehicles and designed in compliance with County building and fire division standards.

A biological resources assessment was performed to assess the potential impact for special-status plant and animal species or their habitat, and sensitive habitats such as wetlands within the Project Area. The proposed community solar and BESS facility project does not provide a high-quality wildlife movement corridor. However, the Project has been designed so that wildlife can move around all sides of the fence line, as well as under the fence and through the arrays. The Project will not create pinch points or barriers for wildlife to access similar habitat in the general vicinity of the Study Area. The project's potential impacts are listed in the submitted biological resources assessment (Exhibit K). Mitigation placed to prevent potential impact from the community solar and BESS facility is listed in the mitigation monitoring report form.

An air quality and greenhouse gas impact analysis were conducted to address project-related air quality impacts as they fall into two categories: short-term impacts due to construction, and long-term impacts due to the Proposed Project operation. During construction, the Proposed Project would affect local particulate concentrations primarily due to fugitive dust sources and contribute to ozone and PM10/PM2.5 levels due to exhaust emissions. Over the long-term, the Proposed Project would result in an increase in emissions of ozone precursors such as ROG and NO_x, primarily due to increased motor vehicle trips (employee trips, site deliveries, and onsite maintenance activities). Construction period air pollutant and GHG emissions occurring within the air basin were modeled using the California Emissions Estimator Model, CalEEMod 2020.4.0 model, with project construction information. Based on the results from the CalEEMod the project emissions will not exceed the thresholds and will be seen as less than significant. The project's potential impacts are listed in the submitted air quality and greenhouse gas impact analysis (Exhibit J). Mitigations were placed to prevent potential impact from the community solar and BESS facility is listed in the mitigation monitoring report form.

A cultural resources assessment (Exhibit L) was conducted for the proposed community solar and BESS facility. The Native American Heritage Commission

(NAHC) Sacred Lands File records search resulted in negative findings within the search area. An intensive pedestrian survey of the Area/Area of Potential Effects (APE) was conducted in December 2023 by Kleinfelder archaeologists Maya Klingler and Shelby Soares. The survey was conducted using 15-meter-wide parallel transects resulting in 100 percent survey coverage of the entire APE. No cultural resources were identified during the survey. Based on the background research and survey results, no cultural resources were identified within the APE. These results, compounded with the high amount of disturbance from agricultural operations within the APE, reduce the potential for subsurface cultural materials within the APE.

The property is surrounded by multiple agricultural parcels. Surrounding properties include ARE-20 (Agricultural, Rural, Exclusive 20 Acre) District, ARE-40 (Agricultural, Rural, Exclusive 40 Acre) District, and OS (Open Space). Lots in the area range from 15 acres to 70+ acres. This project has been circulated to internal and external departments. These external departments include California Department of Fish and Wildlife, California Department of Transportation, California Regional Water Quality Control Board, California Regional Water Quality Control Board, San Joaquin Valley Air Pollution Control District, Madera County Sheriff, Madera County Fire, Chowchilla Yokuts Tribe, Dumna Wo Wah Tribal Government, Picayune Rancheria of the Chukchansi Indians, and Table Mountain Rancheria. Comments were received from Environmental Health and Public Works.

No water is anticipated to be used during operation. Only small quantities used for dust mitigation during construction. No trash will be generated. The noise generated by the community solar and BESS facility is expected less than significant and not expected to increase above an ambient level outside the Project fence line. Since the proposed project is an unmanned facility, there would be little to no impact to the traffic load.

If this project is approved, the applicant will need to submit a check, made out to the County of Madera, in the amount of \$2,966.75 to cover the Notice of Determination (CEQA) filing at the Madera County Clerks' office. The amount covers the \$2,916.75 Department of Fish and Wildlife fee that took effect January 1, 2024, and the County Clerk \$50.00 filing fee. In lieu of the Fish and Wildlife fee, the applicant may choose to contact the Fresno office of the Department of Fish and Wildlife to apply for a fee waiver. The County Clerk Fee, Department of Fish and Wildlife Fee (or waiver if approved) is due within five days of approval of this permit.

FINDINGS OF FACT:

The following findings of fact must be made by the Planning Commission to make a finding of approval of the project. Should the Planning Commission vote to approve the project, Staff recommends that the Planning Commission concur with the following:

1. The proposed map is consistent with applicable general and specific plans; The proposed General Plan designations is AE (Agriculture Exclusive) which allows for agricultural uses, limited agricultural support service uses, agriculturally- oriented services, timber production, mineral extraction, airstrips, public and commercial refuse disposal sites, recreational uses, public and quasi-public uses, and similar and compatible uses. A community solar project is consistent with the general plan designation as a public and quasi-public use.
2. The design or improvements of the proposed subdivision is consistent with applicable general and specific plans; The design or improvements for the proposed tentative parcel map will be consistent with the design general plan and subject to the applicable conditions of approval.
3. The site is physically suitable for the type of development; The proposed tentative parcel map will divide 556.7 acres into two parcels (Parcel 1 – 516.7-acres, Parcel 2 – 40-acres). A community solar project is proposed for parcel 2 and is subject to a conditional use permit and associated conditions of approval.
4. The site is physically suitable for the proposed density or development; The proposed tentative parcel map will divide 556.7 acres into two parcels (Parcel 1 – 516.7-acres, Parcel 2 – 40-acres). The subsequent lots created will comply with the proposed General Plan and density requirements.
5. The design of the subdivision or the proposed improvements are not likely to cause substantial environmental damage or substantially and avoidable injure fish or wildlife or their habitat; The proposed tentative parcel map is not projected to have any substantial damage to the environment. The proposed parcel map will consist of a community solar project and a mitigated negative declaration (MND #2024-07) has been prepared.
6. The design of the subdivision or type of improvements is not likely to cause serious public health problems; Conditions have been added to the tentative parcel map to regulate water/sewer standards and improve road access.

7. The design of the parcel map or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of property within the proposed subdivision; The proposed tentative parcel map will not conflict with any easements due to the creation of new access on the site. The applicant will be required to obtain an encroachment permit before commencing any work within the County Road right-of-way.
8. The parcel map committee may approve the map if it finds that alternate easements, for access or use, will be provided, and that these will be substantially equivalent to ones previously acquired by the public; The proposed tentative parcel map will gain access to the site via a proposed driveway from Avenue 7 and a proposed driveway from Firebaugh Boulevard.
9. The Commission finds that the proposed use is consistent with the General Plan and Zoning Ordinance, and any applicable Area Plan or Specific Plan. The subject property is designated A (Agricultural) by the General Plan. The property is zoned ARE-40 (Agricultural, Rural, Exclusive 40 Acre) District. The zone district is consistent with the general plan designation of A which allows for various public and quasi-public uses. In addition, the project is consistent with General Plan Policy Goal 3.J to provide “efficient and cost-effective utilities.”
10. The Commission found that any potentially significant negative impacts to environmental quality and natural resources have been properly evaluated. Under the provisions of the California Environmental Quality Act (CEQA), Section 15074 and the Madera County Environmental Guidelines, the County has determined that this project will not have a significant effect on the environment. The Planning Commission therefore approves Mitigated Negative Declaration (MND #2024-07). The foregoing reflects the independent judgment and determination of the Planning Commission.
11. The proposed project does not violate the spirit or intent of the zoning ordinance. The parcel is zoned ARE-40 (Agricultural, Rural, Exclusive 40 Acre) District. The zoning designation allows for a community solar and battery energy storage system with an approved conditional use permit. The conditional use permit process requires submittal of supporting documentation that allows the jurisdiction to analyze the project for health, safety, and welfare issues to make a recommendation. The approved conditional use permit provides the local jurisdiction the authority to ensure that the proposed project is maintained in a safe manner in accordance

with the conditions and mitigation measures included in the approval.

12. The request will not be contrary to the public health, safety, or general welfare of the citizens of Madera County. The facility is in a predominately agricultural and industrial portion of the County which allows for the proposed use. The PV solar array with attached battery storage will generate and store clean renewable solar energy with electricity offtake sold to residential customers within Madera County and the larger PG&E utility territory.
13. The proposed project will not be hazardous, harmful, noxious, offensive, or a nuisance because of noise, dust, smoke, odor, glare, or similar factors. The project must adhere to the conditions of approval as well as mitigation measures. The project will not generate hazardous, harmful, noxious, or offensive odors. The PV solar array with attached battery storage will generate and store clean renewable solar energy and will assist with reduction of greenhouse gas production.
14. The proposed project will not, for any reason, cause a substantial, adverse effect upon the property values and general desirability of the neighborhood. The project as designed will not have an adverse effect upon the property values and general desirability of the surrounding properties.

WILLIAMSON ACT:

The property is currently under the Williamson Act Contract; however, a contract cancellation will also be considered by the Board of Supervisors.

GENERAL PLAN CONSISTENCY:

The General Plan designation for the parcel is AE (Agricultural Exclusive) Designation which allows for agricultural uses, limited agricultural support service uses (e.g., barns, animal feed facilities, silos, stables, fruit stands, and feed stores), agriculturally oriented services (e.g., wineries, cotton gins), timber production, mineral extraction, airstrips, and public and quasi-public uses. A community solar and battery energy storage system (BESS) falls under a quasi-public use, which is a compatible use under general plan designation AE. The property is zoned ARE-40 (Agriculture, Rural, Exclusive 40 Acre) District which allows for a community solar and BESS facility as a compatible use with a conditional use permit. The General Plan and Zoning designations are consistent and compatible with each other.

RECOMMENDATION:

Staff recommends approval of Parcel Map (PM #4318) and Conditional Use Permit (CUP #2024-003) subject to conditions, Mitigated Negative Declaration #2024-07, Mitigation Monitoring Program, Findings of Fact, and associated Resolution.

CONDITIONS

See attached.

ATTACHMENTS:

1. Exhibit A, General Plan Map
2. Exhibit B, Zoning Map
3. Exhibit C-1, Assessor's Map
4. Exhibit C-2, Assessor's Map
5. Exhibit C-3, Assessor's Map
6. Exhibit D-1, Tentative Parcel Map
7. Exhibit D-2, Site Plan
8. Exhibit D-3, Lease Area & Detail
9. Exhibit D-4, Roadway & Driveway Detail
10. Exhibit E, Aerial Map
11. Exhibit F, Topographical Map
12. Exhibit G, Operational Statement
13. Exhibit H, Project Description
14. Exhibit I, Phase 1 ESA
15. Exhibit J, Air Quality & GHG
16. Exhibit K, Biological Resource Assessment
17. Exhibit L, Cultural Resource Identification Report
18. Exhibit M, Environmental Health Comments
19. Exhibit N, Public Works Comments
20. Exhibit O, Table Mountain Rancheria Comments
21. Exhibit P, Initial Study
22. Exhibit Q, Mitigated Negative Declaration
23. Exhibit R, Resolution

CONDITIONS OF APPROVAL

PROJECT NAME: PM #4318 & CUP #2024-003

PROJECT LOCATION: Located on the north side of Avenue 7, approximately 0.8 miles east from the intersection with Firebaugh Boulevard, (No Situs), Madera.

PROJECT DESCRIPTION: The applicant is proposing to construct a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity. The proposed project will occupy approximately 25 acres of the 40 acre parcel created by Parcel Map #4318.

APPLICANT: Firebaugh CSG 1 LLC

CONTACT PERSON/TELEPHONE NUMBER: (724) 413-8688

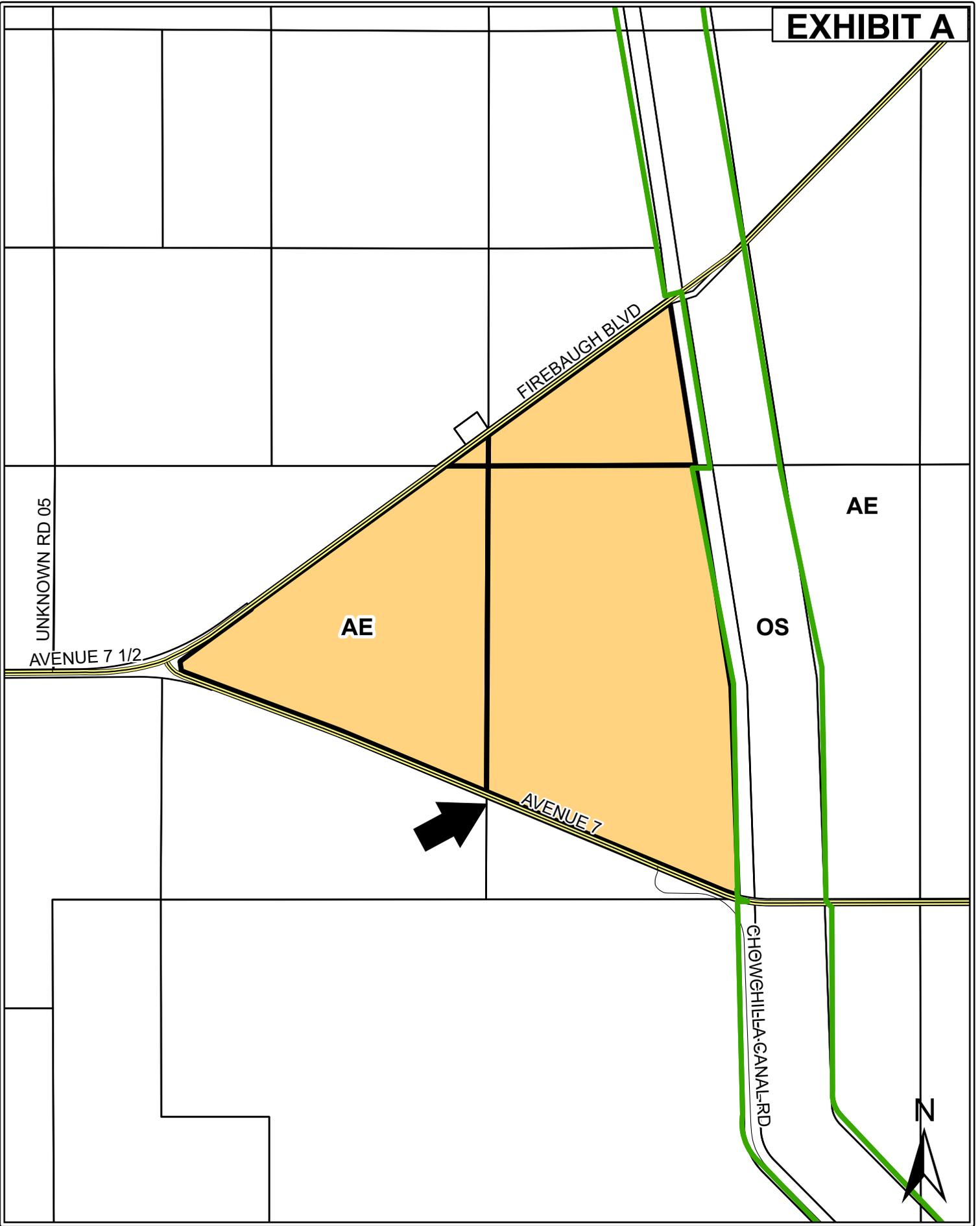
| No. | Condition | Department/Agency | Verification of Compliance | |
|-----------------------------|--|-------------------|----------------------------|------|
| | | | Initials | Date |
| Environmental Health | | | | |
| 1 | The construction and then ongoing operation must be done in a manner that shall not allow any type of public nuisance(s) to occur including but not limited to the following nuisance(s): Dust, Odor(s), Noise(s), Lighting, Vector(s) or Litter. This must be accomplished under accepted and approved Best Management Practices (BMP) and as required by the County General Plan, County Ordinances and any other related State and/or Federal jurisdiction. | EH | | |
| 2 | During the application process for required County permits, a more detailed review of the proposed project's compliance with all current local, state & federal requirements will be reviewed by this Division. | EH | | |
| Fire Marshal | | | | |
| Planning | | | | |
| 1 | Facility to operate in accordance with submitted Operational Statement and plans unless otherwise modified by conditions of approval and CEQA mitigation measures. | Planning | | |

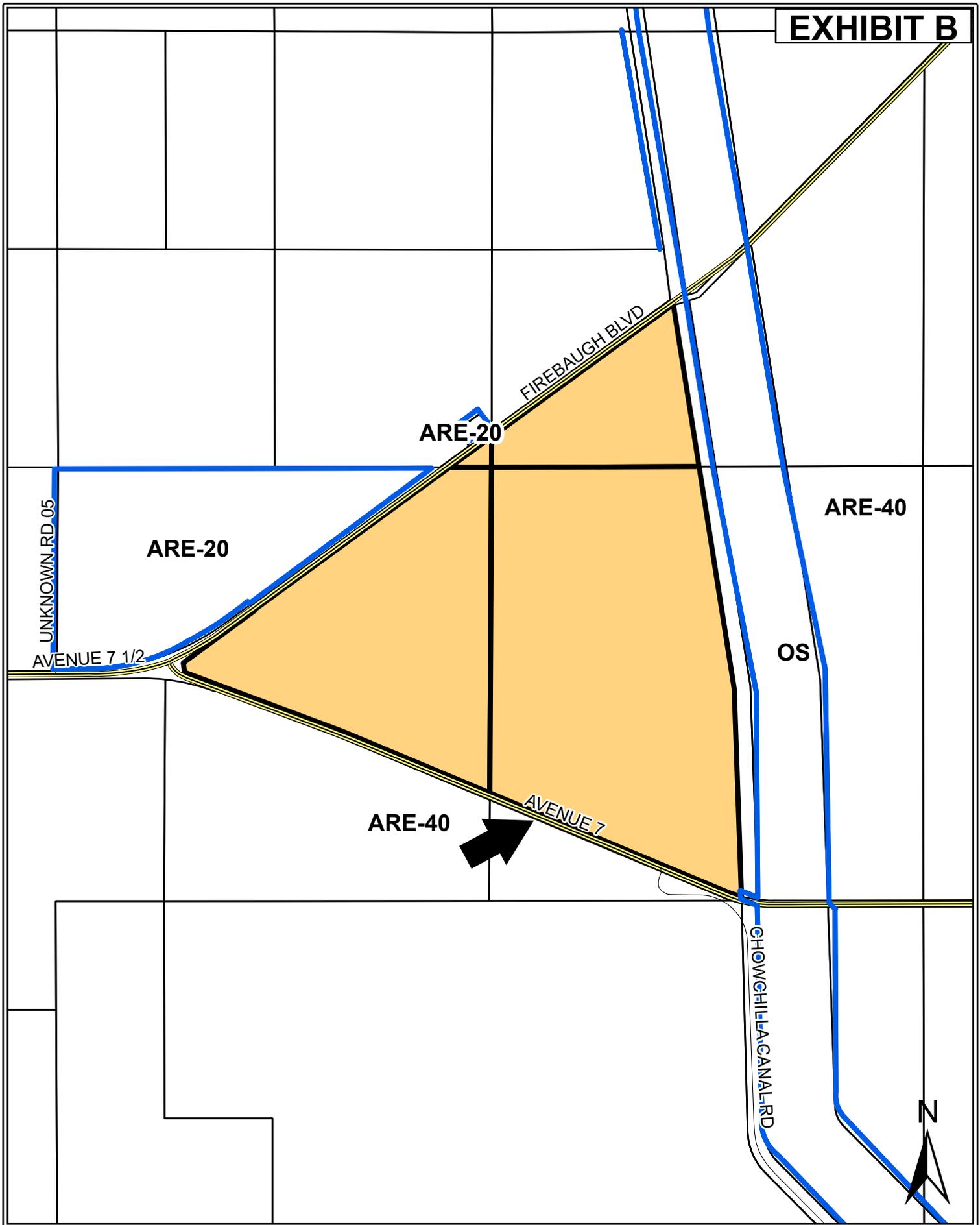
| No. | Condition | Department/Agency | Verification of Compliance | | |
|-----|---|-------------------|----------------------------|------|---------|
| | | | Initials | Date | Remarks |
| 2 | Must comply with section 5.04.050 General Licensing Requirement: "Except as otherwise provided in this chapter, no person shall maintain, conduct or carry on a business, whether or not for profit, within the unincorporated portion of Madera County without first obtaining a business license. No person shall establish a new or additional business location, change or expand the business use of any building or participate in a change of business ownership without first obtaining a new license. Separate licenses must be obtained for each branch establishment or separate business located within the unincorporated portion of Madera County." | Planning | | | |
| 3 | All areas of circulation related to this project are to be constructed and maintained in a dust free manner. | Planning | | | |
| 4 | If archaeological evidence is noted on the site prior to the start of construction, no work shall start without first notifying the Planning Department. | Planning | | | |
| 5 | If during the grading or trenching work archaeological evidence is found, all work is to stop and the Planning Department is to be notified within 24 hours, or on the first workday following for weekends and holidays. | Planning | | | |
| 6 | Pursuant to the California Government Code (Subdivision Map Act), the signature(s) of the beneficiary(ies) and/or trustee(s) under deed(s) of trust, if any, must be provided on the map and on any necessary documents required by the map process, such as offers of dedication. | Planning | | | |
| 7 | Pursuant to the California Government Code (Subdivision Map Act), public utilities or public entities whose easements are affected by this map have thirty (30) days to determine if the map will unreasonably interfere with the free and complete exercise of the easements. A copy of the map and the easement(s) must be sent by certified mail to the affected public utility or entity by your project surveyor/engineer. Either a copy of the surveyor/engineer's notice to the utility/entity with a copy of the dated certified return receipt or a letter of consent to the recording of the map from the utility/entity must be provided to the Planning Department prior to final map approval. | Planning | | | |
| 8 | Supply the Planning Department with a land division guarantee (current within 30 days) covering the entire parcel proposed for division, as well as any portion of road right-of-way being offered for dedication to the County of Madera. | Planning | | | |
| 9 | Identify this proposal as Parcel Map #4318 | Planning | | | |
| 10 | All parcels proposed by this division must be identified as a parcel with a numerical value (i.e., parcel #1, parcel #2, etc.). | Planning | | | |

| No. | Condition | Department/Agency | Verification of Compliance | | |
|-------------------------------|---|-------------------|----------------------------|------|---------|
| | | | Initials | Date | Remarks |
| 11 | Under the provisions of County Code Section 17.72.187, prior to final recordation the applicant or his authorized agent will provide the Planning Director with "Will Serve" letters from the appropriate water, wastewater, power, and telephone companies. | Planning | | | |
| 12 | The final map will require the completion of all data (i.e., record data, notes, original acreage, references, previous grant deeds and/or offers of dedication, etc.). | Planning | | | |
| 13 | Payment of all payable liens (estimated taxes, pending supplemental taxes, supplemental taxes, current taxes, delinquent taxes, and/or penalties, etc.), if any, must be made to the County of Madera prior to review by the County Counsel's Office. | Planning | | | |
| 14 | A recording fee, based upon the number of final map pages, shall be supplied to the Planning Department and made payable to the County of Madera for use in final recordation. | Planning | | | |
| 15 | A Notice of Right-to-Farm shall be recorded simultaneously with the approved final parcel map in compliance with Madera County Code Section 6.28.060. A separate recording fee shall be supplied to the Planning Department by check made payable to the County of Madera for use in recording the required notice. | Planning | | | |
| 16 | Each addressable structure shall have its address posted on it. If the posted address is not visible from the roadway to which the address is issued, the address shall also be posted at the intersection of that roadway and the driveway serving the structure. Multiple addresses shall be posted on the same post. | Planning | | | |
| 17 | This proposal must complete processing within two (2) years of lead agency tentative approval. | Planning | | | |
| 18 | The final map shall be processed in accordance with Title 7 of the California Government Code and Title 17 of the Madera County Code. | Planning | | | |
| 19 | Corrective comments pertinent to the final map may be stipulated upon review of the final map for compliance with the aforementioned conditions. | Planning | | | |
| 20 | The project parcels are subject to a Williamson Act contract and must exit the contract prior to building permit issuance. | Planning | | | |
| Public Works | | | | | |
| GRADING & DRAINAGE | | | | | |

| No. | Condition | Department/Agency | Verification of Compliance | | |
|-------|--|-------------------|----------------------------|------|---------|
| | | | Initials | Date | Remarks |
| GR-1 | The proposed project will require the following prior to leveling or site grading:- A Grading and Drainage Permit Application.- Grading and Drainage Plans on 11"x17" paper conforming to the Grading Application.- Geotechnical report, hydraulic and hydrology analysis will be required to be submitted with the grading plan- Payment of Grading Permit fee will be required (work area dependent) | Public Works | | | |
| GR-2 | At the time of applying for the building permits, if any grading is to occur, the applicant is required to submit a grading, drainage, and erosion control plans to the Public Works Department for review. Such improvement plans shall be prepared by a licensed professional. | Public Works | | | |
| GR-3 | If there are existing drainage facilities and storage pond existed on site, the developer is required to verify that the existing system and its onsite storage still have the adequate capacity and fully functional for the proposed development. Drainage easements must be shown on plans if deemed necessary. | Public Works | | | |
| SWR-1 | SEWER (SWR) The County does not provide community sewer services to serve this parcel. Applicant may be required to design, install, maintain, and operate its own sewer system to serve the site. (see Environmental Health Division's conditions of approval) | Public Works | | | |
| WTR-1 | WATER (WTR) The County does not provide community water services to serve this parcel. Applicant may be required to design, install, maintain, and operate its own water system to serve the site. (see Environmental Health Division's conditions of approval) | Public Works | | | |
| TR-1 | TRANSPORTATION (TR) The applicant is required to obtain an encroachment permit before commencing any work within the County road right-of-way and is to adhere to all of the conditions and requirements as stated in the permit. | Public Works | | | |
| TR-2 | Unless approved otherwise, all new driveway approaches must be designed and installed per the County's latest design standards and requirements for commercial use in accordance with ST-27, ST 24B, and ST-25 or -26. The approach layout and installation will be inspected by the Public Works inspector for acceptance. | Public Works | | | |
| TR-3 | To improve the County roadways as well as to provide sufficient access to existing and new development, including non-motorized transportation options, the Applicant shall finance and install pedestrian walkways, equestrian trails, and multi-purpose paths in the new development, as appropriate. (General Plan Policy 2E.12). | Public Works | | | |
| TR-4 | All work done on the project site is subject to periodic inspections by the County and shall be certified by the Applicant's Engineer of Record. The Applicant shall reimburse the County for all on- and off-site plan review and inspection costs incurred by County staff, including contracted consultant services. | Public Works | | | |
| TR-5 | Except as approved and permitted by the County, all appurtenances, such as fences along with private signs, shall be located outside of the public road right-of-way. (Streets & Highways Code Section 1460). | Public Works | | | |

| No. | Condition | Department/Agency | Verification of Compliance | | |
|------|--|-------------------|----------------------------|------|---------|
| | | | Initials | Date | Remarks |
| TR-6 | All dead-end roads shall have a turnaround at their terminus per the County's latest design standards. | Public Works | | | |
| | SOLID WASTE (SW) | | | | |
| SW-1 | Arrangement for waste disposal and recycling services will be the responsibility of the Applicant and/or site tenants, including service compliance with SB 1383 per Chapter 7.24 of the Madera County Municipal Code. | Public Works | | | |
| | | | | | |





Sections 22 & 23, Township 12 South, Range 15 East, M.D.B.&M.

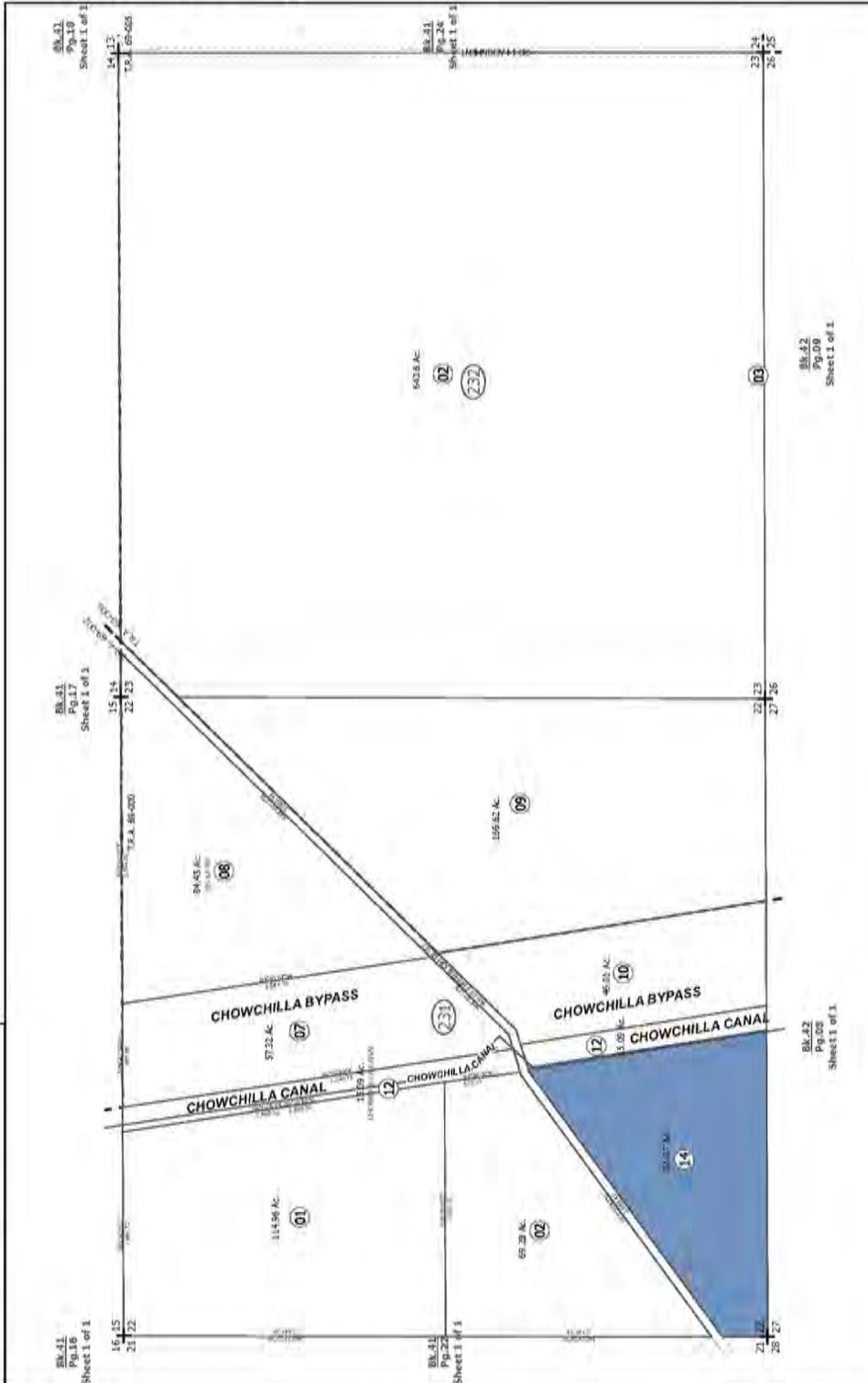
Note: This map is for assessment purposes only and is not for the intent of interpreting legal boundary rights, zoning regulations and/or legality of land division laws.

41/23
Sheet 1 of 1



1" = 800'
Tax Area Code
69-000
69-005

B.L.M. 101 Acres Map No.



Assessor's Cadastral Map
Revised Date: 05/10/2023
Revised By: Pro-West

Subdivision(s)

Volume: Page(s)

Note - Assessor's Block Shown in Ellipses
Assessor's Parcel Number Shown in Circles
Subdivision Blocks Labeled **BLK #**

Assessor's Map of Bk. 41, Pg. 23
Firebaugh
County of Modeno, California
Sheet 1 of 1

Sections 27 & 28, Township 12 South, Range 15 East, M.D.B&M.

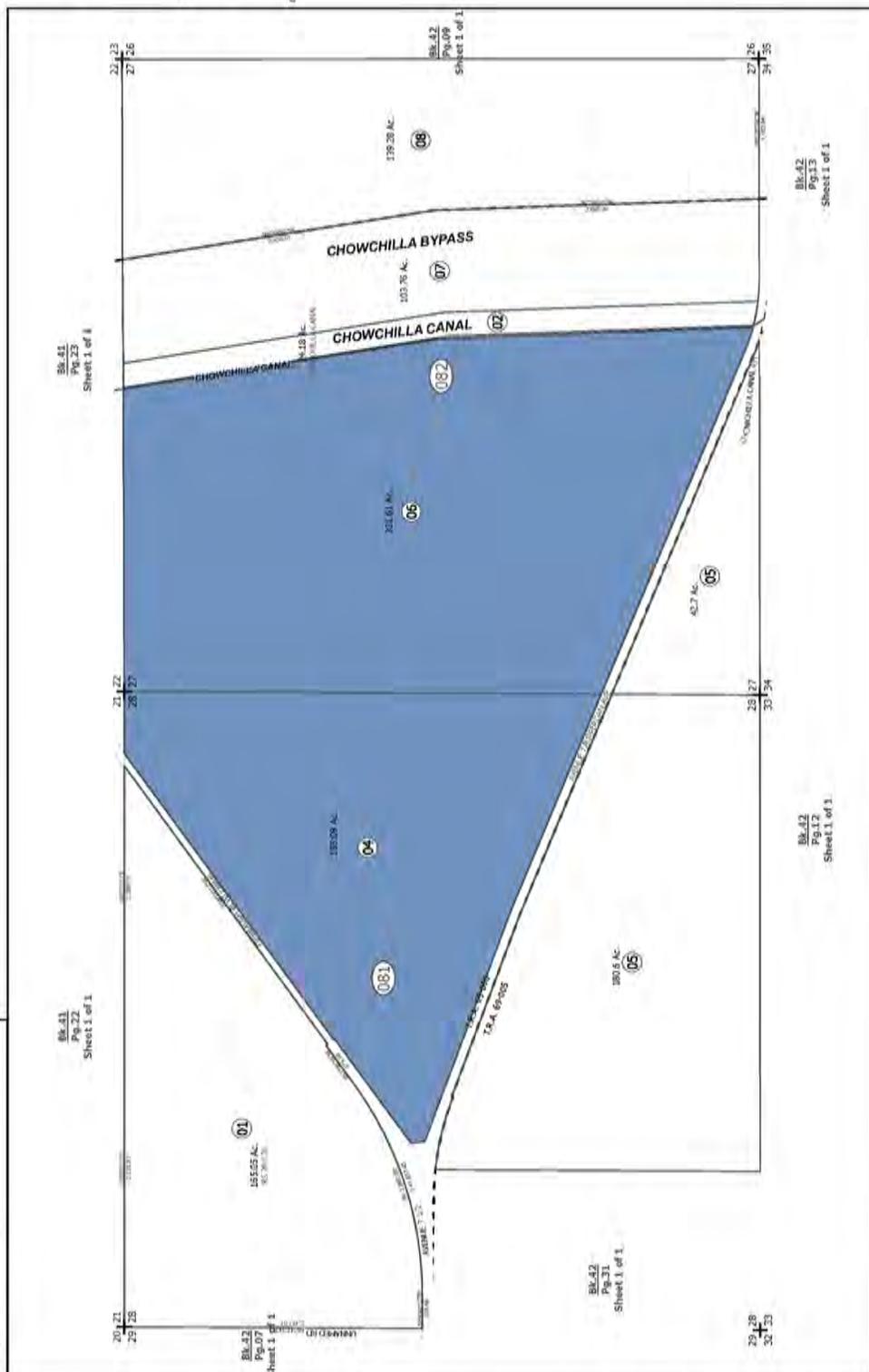
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 means of interpreting legal boundary rights, zoning regulations and/
 or legality of land division laws.

42/08
 Sheet 1 of 1



1" = 800'
 Tax Area Code
 69-000
 69-005

B&M's 101 Auto Map/Map



| Assessor's Cadastral Map | Subdivision(s) | Volume | Page(s) |
|--------------------------|----------------|--------|---------|
| Revised Date: 05/10/2023 | | | |
| Revised By: Pro-West | | | |

Note - Assessor's Block Shown in Ellipses
 Assessor's Parcel Number Shown in Circles
 Subdivision Blocks Labeled BLK #

Assessor's Map of Blk. 41, Pg.08
 Firebaugh
 County of Madera, California
 Sheet 1 of 1



| REV | DESCRIPTION | DATE | DESIGNED BY | CHECKED BY | DATE |
|-----|-------------------------------------|-------|-------------|------------|------|
| A | PRELIMINARY COMMENTS FOR CIP REVIEW | AL 10 | UNDA | | |

SCALE VERIFICATION
THIS SCALE IS VALID ONLY FOR THE ORIGINAL DRAWING
IF PRINTED FROM THE SHEET PLEASE REFER TO THE SCALE INDICATED ON THE ORIGINAL DRAWING

SCALE: 1" = 20'
SCALE: 1" = 40'

SCALE: 1" = 20'
SCALE: 1" = 40'

SCALE: 1" = 20'
SCALE: 1" = 40'

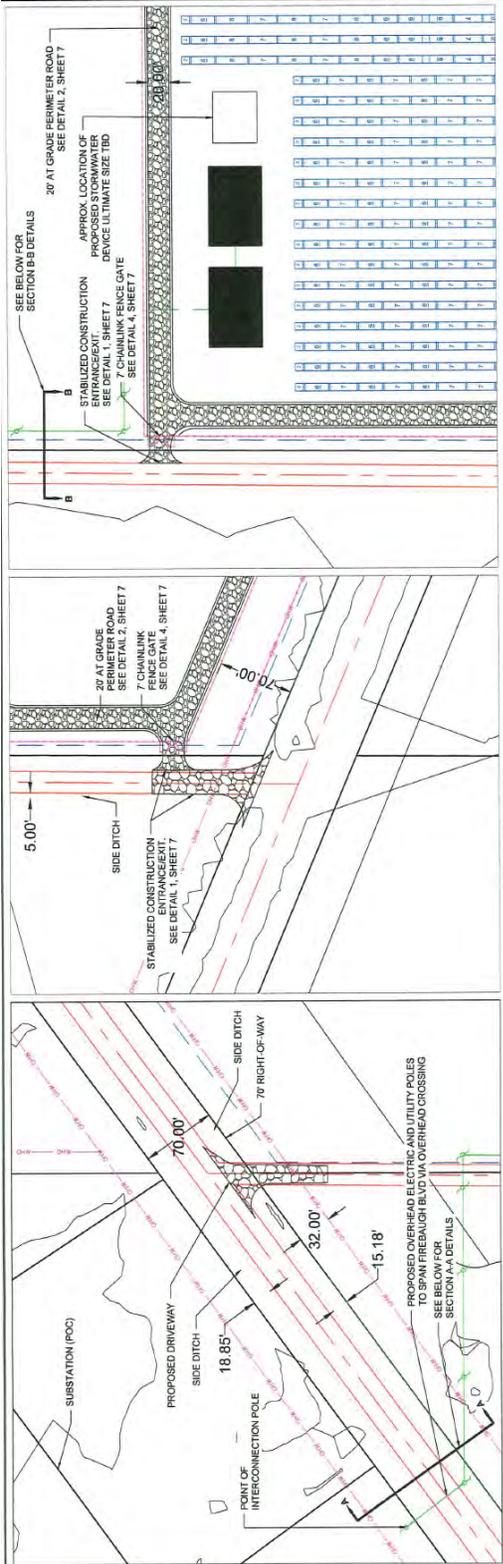
ROADWAY AND DRIVEWAY DETAILS
LASGOITY SITE 1
MADERA COUNTY, CA
38.958977N, 120.325297W



PRELIMINARY EXHIBIT

| | |
|------------------|------------|
| PROJECT NO. | 200027250A |
| ISSUE DATE | UNDA |
| CURRENT REVISION | A |
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5 OF 7



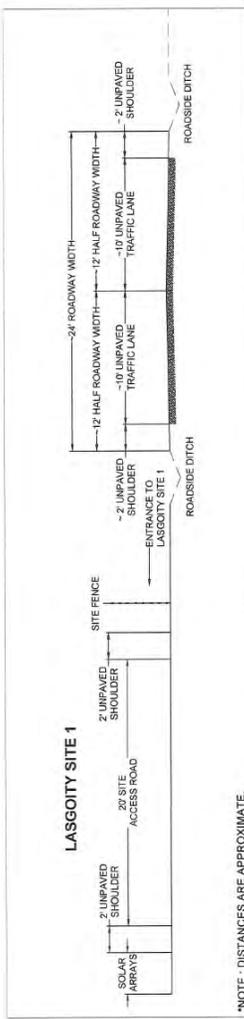
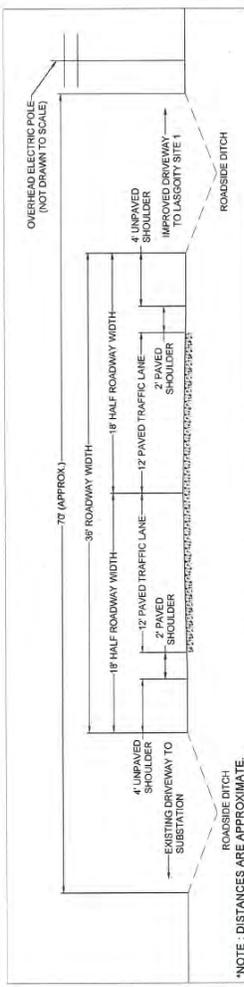
DRIVEWAY AT SITE ENTRANCE

DRIVEWAY AT AVENUE 7

DRIVEWAY AT FIREBAUGH BLVD

SECTION A-A: FIREBAUGH BLVD
LOOKING EASTERLY
SCALE: 1" = 4'
H:V EXAGGERATION = 1:1

SECTION B-B: SITE ENTRANCE
LOOKING SOUTHERLY
SCALE: 1" = 4'
H:V EXAGGERATION = 1:1



DISCLAIMER: THIS SET OF PLANS IS PRELIMINARY. THIS SET OF PLANS WAS CREATED USING ONLINE INFORMATION THAT HAS NOT BEEN VERIFIED BY A LICENSED SURVEYOR.

DRAFT
1.19.24



AERIAL MAP





Community and Economic Development
Planning Division

Matthew Treber
Director

- 200 W 4th Street
- Suite 3100
- Madera, CA 93637
- (559) 675-7821
- FAX (559) 675-6573
- TDD (559) 675-8970
- mc_planning@madera-county.com

OPERATIONAL/ENVIRONMENTAL STATEMENT
CHECKLIST

It is important that the operational/environmental statement provides for a complete understanding of your project proposal. Please be as detailed as possible.

- Please provide the following information:

Assessor's Parcel Number: 042-082-006, 041-222-005

Applicant's Name: Firebaugh CSG 1 LLC

Address: 11100 SANTA MONICA BLVD, SUITE 780 LOS ANGELES, CA 90024

Phone Number: 724-413-8688
- Describe the nature of your proposal/operation.

Construct and operate the a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity.

The proposed Project will occupy approximately 25 acres of the parcel larger -322-acre parcel, with the point of interconnection located on Firebaugh Boulevard and proposed access off of Avenue 7 (Ripperdan Ave)
- What is the existing use of the property?

Farming Activities
- What products will be produced by the operation? Will they be produced onsite or at some other location? Are these products to be sold onsite?

The project will will generate and store clean and renewable solar energy, with electricity offtake sold to residential customers within Madera County and the larger PG&E Utility Territory
- What are the proposed operational time limits?

Months (if seasonal): n/a

Days per week: n/a

Hours (from ___ to ___): Total Hours per day: During daylight hours, Battery Energy Storage System operational at night and during the day
- How many customers or visitors are expected?

Average number per day: None

Maximum number per day: n/a

What hours will customers/visitors be there? n/a
- How many employees will there be?

Current: Construction workforce of approx. 70 workers during the construction period, for approximately 6 months

Future: Up to 4 employees for 4 times a year for maintenance.

Hours they work: Approximately 7 a.m. to 7 p.m.

Do any live onsite? If so, in what capacity (i.e. caretaker)? No.

8. What equipment, materials, or supplies will be used and how will they be stored? If appropriate, provide pictures or brochures.
 No equipment, materials, or supplies will be stored once construction is complete.

9. Will there be any service and delivery vehicles?yes
 Number:Approximately 2-3 Trips per day during construction
 Type: Pick Up Trucks and Tractor Trailer deliveries (periodically as necessary for large equipment drop off only)
 Frequency:Construction vehicles for approximately 6-8 months.

10. Number of parking spaces for employees, customers, and service/delivery vehicles. Type of surfacing on parking area.
 No permanent surface parking is required for the Project

11. How will access be provided to the property/project? (street name)
 Via an existing driveway constructed from Avenue 7 (Ripperdan Avenue)
 Where necessary, the driveway and access road will be upgraded using gravel and geotextile fabric and extended into the Project's fence line.

12. Estimate the number and type (i.e. cars or trucks) of vehicular trips per day that will be generated by the proposed development.
 A service truck, such as a pickup truck, will visit the site 4 times a year for maintenance.

13. Describe any proposed advertising, including size, appearance, and placement.
 None.

14. Will existing buildings be used or will new buildings be constructed? Indicate which building(s) or portion(s) of will be utilized and describe the type of construction materials, height, color, etc. Provide floor plan and elevations, if applicable.
 No buildings will be constructed.

15. Is there any landscaping or fencing proposed? Describe type and location.
 7 foot high, chain link fence will enclose the site, with vehicle access gate with a Knox box for emergency access.

16. What are the surrounding land uses to the north, south, east and west property boundaries?
 North, East and West consist of vacant, farm land. Property abutting Avenue 7 to the South (and southwest and southeast) is agricultural.

17. Will this operation or equipment used, generate noise above other existing parcels in the area?
 Any noise generated from solar facility and battery storage will be minimal ambient levels and not significantly above other existing parcels in the area.

18. On a daily or annual basis, estimate how much water will be used by the proposed development, and how is water to be supplied to the proposed development (please be specific).
 No new water infrastructure is proposed in association with the Project,
 and minimal water will be used as needed for construction and maintenance activities such as dust mitigation and panel washing.

19. On a daily or weekly basis, how much wastewater will be generated by the proposed project and how will it be disposed of?
None.
-
20. On a daily or weekly basis, how much solid waste (garbage) will be generated by the proposed project and how will it be disposed of?
Solid waste is anticipated to be produced only during construction, primarily comprised of equipment packaging, and will be disposed of in accordance with County standards offsite.
-
21. Will there be any grading? Tree removal? (please state the purpose, i.e. for building pads, roads, drainage, etc.)
Minor grading to remove any mounds, holes or ditches that remain from previous use, no significant earthwork is anticipated.
Vegetation taller than 2 feet or expected to exceed 2 feet in height will be removed. Groundcover may remain between rows and under the solar modules.
-
22. Are there any archeological or historically significant sits located on this property? If so, describe and show location on site plan.
No. A Cultural report will be submitted to the County as part of the Applicant's draft Initial Study submittal
-
23. Locate and show all bodies of water on application plot plan or attached map.
See Site Plan
-
24. Show any ravines, gullies, and natural drainage courses on the property on the plot plan.
See Site Plan
-
25. Will hazardous materials or waste be produced as part of this project? If so, how will they be shipped or disposed of?
No. A decommissioning plan for the Project can be submitted to the County upon request
-
26. Will your proposal require use of any public services or facilities? (i.e. schools, parks, fire and police protection or special districts?)
No.
-
27. How do you see this development impacting the surrounding area?
Generation of clean and renewable electricity and will not impact surrounding area.
-
28. How do you see this development impacting schools, parks, fire and police protection or special districts?
No impact.
-
29. If your proposal is for commercial or industrial development, please complete the following; Proposed Use(s): Single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility
Square feet of building area(s): N/A - no proposed buildings
Total number of employees: 70 workers during the construction period, for approximately 6-8 months
Building Heights: Solar panels should not exceed a maximum of 15' in height when on a maximum vertical tilt.

30. If your proposal is for a land division(s), show any slopes over 10% on the map or on an attached map.

n/a



Project Description

Firebaugh CSG 1 LLC proposes to construct and operate the Firebaugh CSG 1 Solar Project (Project); a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity. The Project is proposed to be located on a privately-owned parcel in Madera County, California. Firebaugh CSG 1 LLC is requesting Conditional Use Permit approval from Madera County in order to proceed with construction of the project.

Purpose and Need

The purpose of the proposed Project is to construct and operate a PV solar array with attached battery storage, which will generate and store clean and renewable solar energy, with electricity offtake sold to residential customers within Madera County and the larger Pacific Gas and Electric ("PG&E") Utility Territory. The Project is proposed under the California Assembly Bill 2316 (AB2316), adopted by the California legislature in 2022. AB2316 instructs the California Public Utilities Commission to establish a new community solar program by March 2024 which will bolster the reliability of the electrical grid while benefitting those who cannot put solar on their roofs. The law requires that under the new program at least 51% of community solar subscribers must be low-income, and that projects will be built by workers paid prevailing union wages.

Based on its commitment to providing renewable energy, Firebaugh CSG 1 LLC proposes to develop the site described below to maximize its solar energy potential. In order to best determine optimal location within the site, the following factors have been analyzed:

- Significant solar radiation (insolation)
- Site accessibility
- Avoidance of environmentally sensitive areas
- Limited tree and vegetative clearing
- Limited visibility from offsite locations

In order to put the Project in the best position to be ready for construction in the Spring of 2025, Firebaugh CSG 1 LLC has already taken the following steps:

- Executed a lease with the landowner;



- Submitted the project to the interconnection queue for study by the utility
- Completed diligence to identify sensitive resources, including wetlands/waterways, species habitat, and cultural resources.
- Developed preliminary engineering drawings for the facility
- Planned for screening to limit visibility from offsite locations, if necessary.

It is Firebaugh CSG 1 LLC's intent to perform all necessary permitting and planning tasks in order to declare construction Notice to Proceed upon receipt of our interconnection agreement and program award. To this end, we have a schedule, budget, and actively engaged consultants in place to navigate processes and obtain all necessary permits and approvals.

Site Setting and Zoning

The proposed Project site is located on parcel 042082006000 with the point of interconnection and access crossing through parcel 041222005000 between Firebaugh Blvd and Ave 7 in Madera County, California. The subject parcels is zoned ARE-40 "Exclusive Agricultural Zone" and is approximately 322 acres. The parcel (APN: 041222005000) where only access and interconnection is proposed is zoned ARE-40 "Exclusive Agricultural Zone". According to County's Zoning Ordinance, Chapter 18.58 solar is allowed in the ARE-40 "Exclusive Agricultural Zone" with Conditional Use Permit approval.

The proposed Project will occupy approximately 25 acres of the larger 322-acre parcel, with access and the point of interconnection located adjacent to Firebaugh Boulevard. The subject parcel is currently vacant and used for farming activities. The site is bordered by vacant, farmed land to the East and West, Firebaugh Blvd to the North and Ave 7 to the South. The Project will be designed in a way that complies with required local setbacks and new screening measures can be installed if needed to further screen the Project from view.

The Project is proposed to be interconnected to a distribution line owned by PG&E along the northwestern corner of the parcel.

Key Components

The proposed Project will consist of the following key components:



- Solar Modules
- Battery Energy Storage System ("BESS")
- Underground Electrical Conductors
- Balance of System Equipment
- Access Roads
- Fencing

Key components are described in the following subsections.

Solar Modules

The proposed Project will utilize approximately 12,500 solar modules. The modules are manufactured offsite and will be delivered to the site by truck in wooden crates or cardboard boxes. Each module will measure approximately 3.4 feet by 7.2 feet and will be rated at approximately 550 watts. Solar modules are fully enclosed in metal and glass frames, typically 1 module high and will rotate throughout the day to maximize sun exposure.

The frames of solar modules will be mounted on steel posts, which would be driven or screwed into the ground to a depth between 10 and 15 feet. The posts will be made from galvanized or corrosion-resistant metal to minimize the potential for corrosion over the lifespan of the Project.

Battery Energy Storage System

The proposed Project will include a Battery Energy Storage System, intended to store electrical energy produced by the Project during the day and flexibly dispatch it to the grid when it is most needed, typically in the evening.

The BESS will be comprised of 2 separate battery banks located centrally within the project footprint. Firebaugh CSG 1 LLC will utilize state-of-the-art battery technology with an emphasis on safety. Redundant safety measures will include hydrogen detection and active ventilation, fire detection and remote shutdown, fireproof insulation, and internal fire suppression technology.¹ Access roads will be placed throughout the facility so that sufficient access to the BESS is provided.

¹ *Technical Note – Fire Prevention & Mitigation*, Powin Energy, May 26, 2020



Underground Electrical Conductors

Underground electrical conductors will be installed in trenches at a depth in compliance with the National Electric Code. Conductors either will be buried in a polyvinylchloride (PVC) conduit or equivalent.

Balance of System Equipment

Balance of System Equipment including but not limited to inverters, AC combiner boxes, transformers, and/or medium voltage switchgear may be installed near the solar array within the Project's fence line. Balance of System Equipment will be installed on H-Frames and concrete pads and in compliance with equipment manufacturer instructions. Full details of Balance of System Equipment will be included as part of the Project's electrical design plan set submitted for ministerial permits.

Access Roads

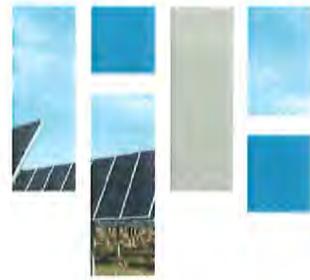
The site will be accessed via Avenue 7 (Ripperdan Avenue). Where necessary, the access road will be upgraded using gravel and geotextile fabric and extended into the Project's fence line. The access road will terminate at the Project's equipment pad with a hammerhead turnaround to accommodate maintenance vehicles. The road will be wide enough to accommodate emergency vehicles and designed in compliance with County building and fire department standards.

Fencing

The solar array and all balance of system equipment will be enclosed in a seven-foot-tall chain link fence in compliance with the National Electric Code. The fence will have at least one vehicle access gate at the boundary of the array, which will always remain locked, except during operations and maintenance activities. A Knox box will be installed at the entrance gate to provide 24-hour access for emergency responders.

Summary of Construction Activities and Components

Site preparation will consist of clearing the existing vegetation in those areas where construction will be undertaken, grading, and establishing temporary staging areas (including stockpile and



laydown areas), as necessary. Once the site is prepared, the installation of racking equipment, modules, and balance of system equipment can begin.

Clearing and Grading

Selected vegetation located on the proposed Project site may be removed in order to accommodate the construction of the array and its appurtenances, as well as to prevent shading on the array during operation. Because the solar modules will be placed approximately a minimum of 2 feet above grade, any vegetation taller than 2 feet or expected to exceed 2 feet in height will be removed. Groundcover may remain between rows and under the solar modules. After construction the ground underneath the array will be reseeded with low growth, native pollinator species to promote soil stability. All cleared vegetation will either be chipped and spread on site or disposed of responsibly.

Construction equipment such as tractors, backhoes, loaders, dozers, and graders may be needed to clear vegetation from the site, and to grade roads and areas where structures will stand. While the racking equipment can tolerate some slope, grading in the Project area will also be required to even out the terrain, currently characterized by mounds of loose aggregate material. Erosion and sediment control best management practices (BMPs) will be installed on site to prevent stormwater runoff. Grading will be done in phases, as needed, to reduce dust and erosion. These BMPs will remain in place until construction is complete, and the site is reseeded and stabilized in accordance with applicable code.

Staging Areas

A temporary staging area will be used as a laydown area for equipment and materials such as solar crates, electric cable, structural supports, and Balance of System Equipment, as well as the location for sanitary facilities and a construction trailer. The portion of the staging area containing equipment and materials will likely be enclosed within a temporary construction fence with a lockable gate.

Racking and Modules

The foundations securing the solar modules will be designed to withstand high winds and snow loads. Galvanized or corrosion-resistant steel piles will be driven into the ground between 10 and



15 feet, depending on soil conditions and depth to bedrock. Modules will be aggregated into frames and mounted on each supporting pile.

Balance of System Equipment and Conductors

Balance of System electrical equipment will be located on concrete pads within the Project's fence line. Balance of System equipment may include inverters, cabinet style equipment such as AC combiner boxes, transformers, and medium voltage switchgear, which will be anchored directly to the concrete pad, as well as smaller metering and controls equipment, which would be mounted on H-frames or other supporting structures. Structural analysis will be performed to determine the size and thickness of the concrete pads.

Low voltage conductors connecting solar modules to the Balance of System Equipment will be run underground in conduit. Trenching will be required to install all underground wiring. All conduits will be buried at a depth in compliance with local standards.

Transportation and Traffic

Materials for the proposed Project (e.g., solar modules, supporting racks, foundation materials, electrical gear) will be brought to the site by truck over the course of construction. It is not expected that the additional vehicles associated with construction will have an impact of overall traffic in Madera County. Once construction is complete, vehicles will be on site sparingly for operations and maintenance activities approximately four times a year.

Employment

A typical construction workforce for a solar facility of this size consists of approximately 70 workers during the construction period, which should last approximately 6 months. Construction personnel will be divided between civil and electrical services and based on the phasing of construction it is not anticipated that all workers will be present on site at the same time. Workers will be transported to the site via construction trucks and will park in the established staging area. All construction workers will be paid prevailing wage, as required in AB2316.



Water Use

No new water infrastructure is proposed in association with the Project and minimal water will be used as needed for construction and maintenance activities such as dust mitigation and panel washing.

Sewer and Solid Waste

Sewer services are proposed in association with the Project. Temporary sanitary facilities will be placed onsite during construction. Solid waste is anticipated to be produced only during construction, primarily comprised of equipment packaging, and will be disposed of in accordance with County standards offsite.

Project Benefits

The proposed Project will bring many benefits to the Madera County community, including:

- Electricity bill savings for subscribers of 10-20%, with at least 51% low-income subscribers;
- Approximately 70 jobs during construction paid at prevailing union wages and workforce training opportunities for workers;
- Improved grid resiliency and reliability by discharging electricity directly to the local distribution rather than transmission grid, and a battery system ensuring that electricity is dispatched when it is needed most not only when the sun is shining;
- Generation of clean and renewable electricity requiring no additional municipal services, with minimal impact to the community or environment.

The approval of this Conditional Use Permit will allow for community members of Madera County to subscribe to and benefit from clean and renewable solar energy generation. If any other information is required, please let us know.

Respectfully,
Jessica Zupancic

Phase I Environmental Site Assessment

Roberts Alternative Site
(APNs 042-082-006, 042-081-004,
041-222-005, and 041-231-014)
Madera County, California

JANUARY 2024

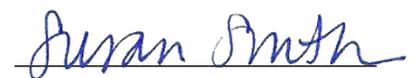
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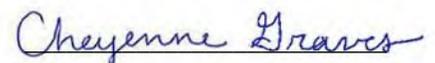
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Geologist



Cheyenne Graves
Environmental Engineer

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Acronyms and Abbreviations

| Acronym/Abbreviation | Definition |
|----------------------|---|
| APN | Assessor's Parcel Number |
| AST | aboveground storage tank |
| ASTM | American Society for Testing and Materials |
| AUL | activity and use limitation |
| CalRecycle | California Department of Resources Recycling and Recovery |
| CERCLA | Comprehensive Environmental Response, Compensation, and Liability Act |
| CREC | controlled recognized environmental condition |
| EDR | Environmental Data Resources |
| EPA | U.S. Environmental Protection Agency |
| ESA | Environmental Site Assessment |
| HREC | historical recognized environmental condition |
| LUST | leaking underground storage tank |
| PCB | polychlorinated biphenyl |
| pCi/L | picocuries per liter |
| REC | recognized environmental condition |
| UST | underground storage tank |
| VEC | vapor encroachment condition |

1 Executive Summary

Dudek conducted a Phase I Environmental Site Assessment (ESA) for the Roberts Alternative project site in Madera County, California, 93637 (subject property; see Figure 1, Subject Property Location). The subject property consists of approximately 93 acres of land within portions of four contiguous parcels: Assessor's Parcel Numbers (APNs) 042-081-004, 042-082-006, 041-222-005, and 041-231-014.

The findings of this investigation are based on historical sources, information contained in regulatory agency databases, interviews, and a site reconnaissance.

Information gathered for this report indicated the following:

- The subject property has been used for agricultural purposes from at least 1960 to the present.
- The subject property currently consists of vineyards and tilled/disc'd fields. A water well and storage tank were observed on the western portion of the subject property; two additional wells were identified on the northern and southeastern portions of the subject property during the site reconnaissance.
- Adjoining properties include a substation and undeveloped land to the north, disc'd field to the south and east, and fallow vineyards to the west. Surrounding properties include agriculture and a power station to the west.

The following environmental concerns were identified:

- Historical and ongoing agricultural use is generally associated with the use of pesticides and herbicides, which can result in elevated concentrations of chlorinated compounds and metals. However, based on the proposed future use of the subject property, it is unlikely that residual concentrations of pesticide-related compounds would be above applicable risk-based concentrations for the proposed future land use. While this is not considered a recognized environmental condition (REC), should the proposed use of the subject property differ from the proposed use presented in this Phase I ESA, the potential presence of residual impacts associated with agricultural use should be considered when evaluating future risk.
- Oil and gas-related activities were conducted on the southeastern portion of the subject property in 1937. The well was drilled in September 1937 and was plugged and abandoned in October 1937 after no showings of oil were observed. While this is not considered to represent a REC, an evaluation of the well abandonment and potential setbacks may be required for development.

Dudek performed this Phase I ESA of the subject property in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E2247-16 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM 2016). This report summarizes the research and findings of the Phase I ESA. This assessment did not reveal evidence of recognized environmental conditions (RECs), historical RECs (HRECs), controlled RECs (CRECs), or vapor encroachment conditions (VECs) in connection with the subject property.

Data gaps, none of which were determined to be significant, are discussed in Section 13, Limitations.



□ Subject Property Boundary
 Assessors Parcel Number Boundary

Source: Bing



2 Introduction

This Phase I ESA was performed according to the guidelines stipulated in ASTM Standard E2247-16, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM 2016). This Phase I ESA was conducted on behalf of Dimension Renewable Energy LLC and Chowchilla CSG 1 LLC as part of environmental due diligence for the development of a renewable energy project on the subject property. As defined in Section 3.2.106 of ASTM Standard E2247-16, the user is defined as the party seeking to complete the Phase I ESA on the subject property. User obligations, as defined in ASTM Standard E2247-16, are discussed further in Section 6.2, User-Provided Information.

2.1 Assessment Procedure and Scope of Investigation

Phase I ESAs assist in identifying past and present land use, including identification of possible releases or disposal of manufacturing or other wastes if such information is contained within regulatory reports or files and/or is currently visible on site. The assessment reviews federal (U.S. Environmental Protection Agency [EPA]), state, county, and local lists of known or potentially hazardous waste sites, landfills, and sites currently under investigation for environmental violations that may be of concern to a site.

The scope of this environmental investigation consisted of (1) a reconnaissance of the subject property; (2) a search of regulatory agency records; (3) review of available historical aerial photographs, topographic maps, Sanborn fire insurance maps, city directory listings, and building department records; (4) interviews with the owner of the subject property and user of this report; and (5) preparation of this Phase I ESA report detailing the findings of the investigation.

These activities were conducted to identify RECs. The term *recognized environmental condition* (REC) means the presence or likely presence of any hazardous substances or petroleum products in, on, or at the subject property due to a release, likely release, past release, or material threat of a future release to the environment.

The term *controlled recognized environmental condition* (CREC) is an environmental condition that would have been considered a REC in the past but that has been remediated and received risk-based closure by a regulatory agency (i.e., received a “no further action” letter) where residual contamination remains in place. Furthermore, the term *CREC* is used if the property is subject to a control or use restriction (i.e., property use restrictions, activity and use limitations, institutional controls, or engineering controls) due to residual on-site contamination.

The term *historical recognized environmental condition* (HREC) is an environmental condition that would have been considered a REC in the past but that has been remediated and received unrestricted residential use closure by the regulatory agency. Therefore, no controls or use restrictions have been applied to the property.

The term *REC* is not intended to include de minimis conditions. De minimis conditions are conditions that generally do not present a material risk of harm to public health or the environment and thus would not be subject to an enforcement action if brought to the attention of governmental agencies.

2.2 Qualifications of Environmental Professionals

This Phase I ESA was prepared by Cheyenne Graves, environmental engineer; Emily Sanchez, biologist; Joshua Reese, compliance manager; and Susan Smith, geologist. Qualifications for Ms. Graves, Ms. Sanchez, Mr. Reese, and Ms. Smith are included in Appendix A.

I, Susan Smith, declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of Title 40 of the Code of Federal Regulations, Part 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in Title 40 of the Code of Federal Regulations, Part 312.

3 Site Location

The subject property is located in the San Joaquin Valley in Madera County, approximately 6 miles east of the City of Firebaugh, California. The subject property is approximately 93 acres of agricultural land located within portions of the following APNs: 042-081-004, 042-082-006, 041-222-005, and 041-231-014.

The subject property is bounded to the north by Firebaugh Boulevard and to the south by Avenue 7 (Ripperdan Avenue). The Chowchilla Canal is approximately 0.35 miles to the east of the subject property. State Route 33 is approximately 6.8 miles to the west of the subject property.

The subject property is adjoined and surrounded by agriculture and farming operations to the west, east, and south. A substation and vacant land adjoin and the subject property to the north, and a power generation facility is located in the surrounding area to the west of the subject property.

4 Environmental Setting

4.1 Topography and Geology

The subject property is located in Madera County in the San Joaquin Valley, approximately 6 miles east of the City of Firebaugh.

General topographic information for the subject property and the surrounding area was obtained from a review of topographic maps (Appendix B), the Environmental Data Resources (EDR) Radius Map Report (Appendix C), and a site visit. The subject property is generally flat land with a slight overall west-northwest downward gradient. The subject property sits at an average elevation of 162 feet above mean sea level.

No subsurface geologic investigations were performed as part of this Phase I ESA. According to the EDR Radius Map Report (Appendix C), the subject property is primarily underlain by El Peco fine sandy loam. El Peco soils are characterized by slow infiltration rates and are moderately well drained. Other soils underlying the subject property include Cajon loamy sand and Fresno fine sandy loam.

4.2 Groundwater

According to the EDR Radius Map Report, one water well is mapped on the subject property; however, during the site reconnaissance three water wells were observed on the subject property (see Section 7, Site Reconnaissance). According to the EDR Radius Map Report, nine water wells are located within 1 mile of the subject property. Several depth to groundwater data points were available for the water supply wells identified in the EDR Radius Map Report. The depth to water measurements from 1956 and 1964 were available and ranged from 27 to 37 feet below ground surface. Dudek also reviewed the Groundwater Ambient Monitoring and Assessment information system to identify wells on or near the subject property; one well was identified on the subject property (GAMA 2023). A series of groundwater monitoring wells located approximately 7.35 miles to the southwest of the subject property reported a groundwater gradient and direction of flow of 0.0073 feet per foot to the southwest (Technicon 2017).

4.3 Agricultural Use

The subject property has been developed for agricultural use since as early as 1960. According to records sent from the Madera County Agricultural Commissioner's Office, the following APNs are used for growing grapes for wine: 042-081-004, 041-222-005, and 041-231-014. Pesticide information including type and amount was provided for 2018 to 2023 for the three APNs and is discussed in Section 6.3.1.4, Agricultural Commissioner/Weights and Measures.

The chemicals of concern associated with agricultural use, such as organochlorinated compounds and metals, accumulate and persist in shallow soils. Therefore, the longer a property is used for agricultural purposes, the more likely there is an accumulation of these chemicals of concern. Considering the former and present use of the property, there is a potential for elevated concentrations of pesticide- and herbicide-related compounds in surface soils. As the proposed redevelopment is industrial/commercial, the accumulated concentrations are likely below risk-based concentrations associated with commercial development; however, should the proposed use of the subject property differ from the proposed use presented in this Phase I ESA, the potential presence of residual impacts associated with agricultural use should be considered when evaluating future risk.

5 Public Agency Records Search

Table 1 summarizes the environmental databases that were searched as required by ASTM E2247-16, as well as additional environmental databases providing information on hazardous materials and petroleum products on the subject property that were searched (“target property” is the term used by EDR). The comprehensive list of databases is included in the EDR Radius Map Report, which was prepared on December 12, 2023 (Appendix C).

Table 1 lists the databases that were searched, search distances from the subject property, whether the subject property was listed, and the number of sites identified.

Table 1. Regulatory Database Search Summary

| Acronym | Database | Search Distance | Subject Property Listed? | Number of Surrounding Sites Listed |
|------------------------------|--|-----------------|--------------------------|------------------------------------|
| NPL | National Priorities List (including proposed NPL sites and NPL Liens [target property only]) | 1 mile | No | 0 |
| Proposed NPL | Sites proposed for NPL | 1 mile | No | 0 |
| NPL LIENS | Federal Superfund Liens | 1 mile | No | 0 |
| Delisted NPL | NPL Deletions | 1 mile | No | 0 |
| CERCLIS – Federal Facility | Comprehensive Environmental Response, Compensation, and Liability Information System for the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) with U.S. Environmental Protection Agency Federal Restoration and Reuse Office involvement | 0.5 miles | No | 0 |
| CERCLIS – SEMS | CERCLA Superfund Enterprise Management System | 0.5 miles | No | 0 |
| CERCLIS NFRAP (SEMS ARCHIVE) | No Further Remedial Action Planned – CERCLA SEMS Archive | 0.5 miles | No | 0 |
| CORRACTS | Resource Conservation and Recovery Act (RCRA) Corrective Action | 1 mile | No | 0 |
| RCRA TSDF | RCRA – Transportation, Storage, and Disposal Facilities | 0.5 miles | No | 0 |
| RCRA-LQG | RCRA Large Quantity Generators | 0.25 miles | No | 0 |
| RCRA-SQG | RCRA Small Quantity Generators | 0.25 miles | No | 0 |
| RCRA-VSQG | RCRA Very Small Quantity Generators | 0.25 miles | No | 0 |
| ERNS | Emergency Response Notification System | Target property | No | 0 |
| LUCIS | Land Use Control Information System – Institutional Control/Engineering Control | 0.5 miles | No | 0 |
| US ENG CONTROLS | Federal sites with Engineering Controls | 0.5 miles | No | 0 |
| US INST CONTROLS | Federal sites with Institutional Controls | 0.5 miles | No | 0 |

Table 1. Regulatory Database Search Summary

| Acronym | Database | Search Distance | Subject Property Listed? | Number of Surrounding Sites Listed |
|--|---|-----------------|--------------------------|------------------------------------|
| RESPONSE | State- and Tribal-Equivalent CERCLIS – Confirmed Release List | 1 mile | No | 0 |
| ENVIROSTOR | EnviroStor Database | 1 mile | No | 0 |
| SWF/LF | State and Tribal Landfill and/or Solid Waste Disposal Site | 0.5 miles | No | 0 |
| LUST | State Leaking Underground Storage Tank | 0.5 miles | No | 0 |
| Indian LUST | Tribal LUST | 0.5 miles | No | 0 |
| CPS-SLIC | Statewide SLIC cases | 0.5 miles | No | 1 |
| AST | State and Tribal Registered Aboveground Storage Tank | 0.25 miles | No | 0 |
| UST | State and Tribal Registered Underground Storage Tank | 0.25 miles | No | 0 |
| Indian UST | Registered Underground Storage Tank on Tribal Land | 0.25 miles | No | 0 |
| FEMA UST | Federal Emergency Management Agency (FEMA) owned Registered UST | 0.25 miles | No | 0 |
| Indian VCP | Voluntary Cleanup on Tribal Land | 0.5 miles | No | 0 |
| VCP | State and Tribal Voluntary Cleanup | 0.5 miles | No | 0 |
| Brownfields | State and Tribal Brownfields | 0.5 miles | No | 0 |
| <i>Additional environmental records, including local lists</i> | | <i>Varies</i> | <i>No</i> | <i>0</i> |

Note: The search distances in the EDR report and listed in this table are equal to or greater than the search distances required by ASTM E2247-16.

5.1 Subject Property

EDR did not identify any sites on the subject property.

5.2 Adjoining Properties

One site was identified adjoining the subject property: New Columbia Ranch. New Columbia Ranch is located on 10302 Avenue 7 ½ (Site 4) and is depicted adjoining the subject property to the southwest. The site is listed in the CPS-SLIC database. According to information included in the database listing, the site had a leak reported in January 1965. The case was closed in June 1992. While the EDR Radius Map Report depicted the site adjoining the subject property, the coordinates and address presented in the listing plot the site more than 2 miles west/southwest of the subject property. Based on the distance from the subject property and the regulatory status (closed), it is unlikely that this site impacted the environmental conditions of the subject property.

5.3 Nearby Properties

EDR did not identify any nearby properties.

5.4 Unmapped Sites

Unmapped sites are flagged by EDR but not mapped due to insufficient address information. They are usually included in the database search report because they are in the same zip code as the subject property. The EDR Radius Map Report identified six unmapped sites. All six sites were identified in the Clandestine Drug Lab (CDL) database as having had drug lab waste abandoned at the site. The approximate location of the six sites were located more than a mile from the subject property and therefore it is unlikely the sites have impacted the environmental conditions of the subject property.

6 Interviews

6.1 Site Representative Interview

Dudek sent a site background questionnaire to the user of this report for dissemination to the property owner or their representative for completion. A response was received from the owner, Rosemary Lasgoity, on January 19, 2024. A copy of the questionnaire is presented in Appendix D. Below is the summary of Ms. Lasgoity's responses to the questionnaire.

- Ms. Lasgoity has owned the subject property since approximately 1972. The subject property is currently used for agricultural production and has been since it was purchased.
- There are no buildings or structures on the subject property.
- The subject property and adjoining properties have not been used for industrial purposes.
- Herbicides and fungicides were applied to the subject property when it was planted as a vineyard; these were last applied in the spring of 2022.
- Groundwater wells on the subject property are used to provide water for agriculture irrigation.
- There are no known wastewater discharges, tanks, wells, pipelines, transformers, or other hazardous materials located on the subject property.
- There are transformers on the subject property; the transformers are owned by PG&E.
- No previous Phase I ESAs or geotechnical reports have been prepared for the subject property.

6.2 User-Provided Information

In accordance with ASTM E2247-16, to qualify for one of the Landowner Liability Protections offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the tasks outlined in Sections 6.2 through 6.6 of ASTM E2247-16 must be completed, including a search for environmental liens and activity and use limitations (AULs). A search for environmental liens and AULs was not requested by the user as part of this Phase I ESA. It is recommended that the user complete a review of title and judicial records for environmental liens and AULs for the subject property prior to purchase. To facilitate this requirement, Dudek sent the following questions to the user of this report. Jessica Zupancic, Senior Project Manager for Dimension Renewable Energy, responded on January 22, 2024.

1. **Question:** Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

Response: No

2. **Question:** Are you aware of any activity and land use limitations, such as engineering controls, land use restrictions, or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

Response: No

3. **Question:** 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?

Response: No

4. **Question:** 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?

Response: It is currently proposed that the property will be leased and not purchased

5. **Question:** 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? (a) Do you know the past uses of the property, (b) do you know of specific chemicals that are present or once were present at the property, (c) do you know of spills or other chemical releases that have taken place at the property, or (d) do you know of any environmental cleanups that have taken place at the property?

Response: No (a) No (b) No (c) No (d) No

6. **Question:** 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?

Response: N/A

6.3 Local Agency Records

6.3.1 Madera County

6.3.1.1 Environmental Health Division

Dudek submitted a records request on December 21, 2023, to the Madera County Environmental Health Division, which acts as the County’s Certified Unified Program Agency and as a local oversight regulatory program to obtain information about potential spills, cleanups, tanks, or chemical use that may have impacted the environmental conditions of the subject property. Dudek received a response that public records requests are handled through an online service website (Madera County 2024). A request for the records was submitted through the online service on January 2, 2024. Dudek received a response on January 17, 2024, from Brandon Nishimoto stating that there are no records relating to hazardous material for the subject property (Appendix E).

6.3.1.2 Planning Division

Dudek reviewed the Madera County Land Use GIS Map (Madera County 2023) from the Planning Division to obtain information about zoning for the subject property. Zoning for the subject property is listed as ARE-40, which corresponds with Agricultural, Rural, Exclusive (40-acre).

6.3.1.3 Building Department

Dudek submitted a records request through the Madera County online service website (Madera County 2024) on January 2, 2024, to obtain records of any building permits for the subject property. Dudek received a response on January 16, 2024, from Nisha K. Dale that request was being processed (Appendix E); as of the date of this report Dudek has not received any other information at the time of this report.

6.3.1.4 Agricultural Commissioner/Weights and Measures

Dudek contacted the Madera County Agricultural Commissioner/Weights and Measures Pesticide Use Enforcement on December 21, 2023, to obtain information regarding the use and storage of pesticides and herbicides on the subject property. Pesticide use information for APNs 042-081-004, 041-222-005, and 041-231-014 were provided on December 22, 2023 (Appendix E). Tammy Dodson provided Site IDs for the APNs per her email with pesticide use information. APNs 042-081-004, 041-222-005, and 041-231-014 correspond to Site IDs Aliso1, Aliso2, and Aliso3, respectively, in the records provided. According to the information provided, the pesticides have been applied to portions of the subject property from 2018 through 2023; the crops were reported as grapes for wine.

6.3.2 CalRecycle Solid Waste Information System

Dudek reviewed the California Department of Resources Recycling and Recovery (CalRecycle) Solid Waste Information System online database (CalRecycle 2023). The database has information for all solid waste facilities, operation, and disposal sites in California.

No sites were identified on the subject property or within 1 mile of the subject property.

6.3.3 State Water Resources Control Board

Dudek searched GeoTracker, the State Water Resources Control Board's data management system, for sites that impact, or have the potential to impact, water quality in California. Records include sites that require cleanup, various unregulated projects, and permitted facilities (SWRCB 2023). No sites were depicted on or within 1 mile of the subject property. One site, New Columbia Ranch, was identified in the EDR Radius Map Report and was also found in the GeoTracker database.

On GeoTracker, New Columbia Ranch, is mapped approximately 6.82 miles to the west of the subject property at the same address (see Section 5.2, Adjoining Properties).

6.3.4 Department of Toxic Substances Control

Dudek searched the EnviroStor database management system used for tracking cleanup, permitting, enforcement, and investigation efforts at hazardous waste facilities and sites with known contamination (DTSC 2023). No sites were identified on the subject property or within 1 mile of the subject property.

6.3.5 California Environmental Protection Agency Regulated Site Portal

Dudek reviewed the California Environmental Protection Agency Regulated Site Portal, which contains data about environmentally regulated sites and facilities in California (CalEPA 2023). Data sources for the portal include the California Environmental Reporting System, the Department of Toxic Substances Control's EnviroStor, the State Water Resources Control Board's GeoTracker, the California Integrated Water Quality System, and the Federal Toxics Release Inventory.

California Environmental Protection Agency sites are generally administrative in nature, identifying sites that have environmental permits or that handle hazardous materials or generate hazardous waste, but that do not necessarily have an uncontrolled release of hazardous substances to the environment. Four sites were identified within 1 mile of the subject property.

Aliso Ranch On Farm Capture and Recharge is located approximately 0.7 miles to the northeast of the subject property. This site is listed in the Wetlands – Fill and Dredge Material program under the California Integrated Water Quality System starting in October 2017. This program regulates discharges of fill and dredged material. No violations were reported for this site.

Aliso Ranch is located approximately 0.68 miles to the west of the subject property. The site is listed in the following regulatory programs: Aboveground Petroleum Storage, Chemical Storage, and Hazardous Waste Generator. The site stores diesel fuel No. 2 on site. No violations were reported for this site.

Madera Power LLC, 11427 Firebaugh Boulevard, is located approximately 0.68 miles to the west of the subject property. The site is listed in the EPA Air Emission Inventory System. No violations were reported for this site.

Madera Biomass Power Plant, Firebaugh Boulevard, Madera, California, is located approximately 0.68 miles to the west of the subject property. The site is listed as having waste discharge requirements in the California Integrated Water Quality System. A compliance violation was reported in August 2004 as an oral communication. No further information was provided. Based on the distance to the subject property, elapsed time of the violation, and delivery method of the compliance violation (oral), it is unlikely that the site has impacted the environmental conditions of the subject property.

6.3.6 California Geologic Energy Management Division

Dudek reviewed the California Geologic Energy Management Division database on December 29, 2023 (CalGEM 2023) to identify oil and gas wells. The subject property is mapped within the boundaries of the Moffatt Ranch Gas field. One plugged dry hole was identified on the southeastern portion of the subject property. The well on the subject was drilled in September 1937 and no showings of oil were encountered; the well was plugged in October 1937. Additional wells were identified within 1 mile of the subject property and include six plugged dry holes, one plugged gas well, two active dry gas wells, and one multipurpose plugged well.

6.3.7 National Pipeline Mapping System

Dudek searched the National Pipeline Mapping System online database, which provides a public map viewer application that displays data related to gas transmission and hazardous liquid pipelines, liquefied natural gas plants, and breakout tanks under the Department of Transportation Pipeline and Hazardous Material Safety Administration's jurisdiction (NPMS 2023).

No pipelines were identified on the subject property or within 1 mile of the subject property. No accidents or incidents were reported within 1 mile of the subject property.

7 Site Reconnaissance

A site reconnaissance was conducted on December 15, 2023, by Joshua Reese and Emily Sanchez of Dudek. The site reconnaissance consisted of walking the subject property, taking notes on observations, and taking photographs. Photographs are presented in Appendix F. Mr. Reese and Ms. Sanchez were unaccompanied during the site reconnaissance.

7.1 Description of Subject Property and Surroundings

The subject property is flag-shaped and consists of approximately 93 acres located within portions of four parcels. The subject property can be accessed from Avenue 7 (Ripperdan Avenue) to the south and Firebaugh Avenue to the north (Photographs 1 and 2). At the time of the site reconnaissance, the subject property consisted of a disced/tilled field (Photographs 3 and 4); a small section of vineyards (fallow) was observed along the western boundary (Photographs 1 and 4). Three groundwater wells (agricultural water supply) were observed throughout the subject property (Photographs 2, 5, and 6). Irrigation pipelines (north-south trending) were observed on the western and eastern boundaries of the subject property (Photographs 7 and 8).

Utility poles were observed on the northern portion of the subject property; the poles connect to the northern-adjacent substation (Photograph 2). Utility poles were observed running east-west along Avenue 7.

As observed during the site reconnaissance, the subject property is bordered by the following:

- To the north by Firebaugh Avenue followed by an electrical substation and undeveloped land (Photographs 2 and 9)
- To the south by Avenue 7 followed by disced fields (Photograph 10)
- To the east by disced fields (Photograph 11)
- To the west by fallow vineyards (Photograph 12)

The main areas of interest noted during the site reconnaissance are described in the following section.

7.2 Summary of Observations

Potable Water Supply or Source

No evidence of potable water was observed during the site reconnaissance.

Sewage Disposal System

No evidence of public sewer systems or septic systems were observed on the subject property.

Wetlands and Natural Waterways

No wetlands or natural waterways were observed on the subject property.

Surface Water Discharge

The subject property is primarily flat and surface water likely infiltrates the agricultural fields, remaining on the subject property.

Distressed Vegetation

No distressed vegetation was observed on the subject property.

Indications of Solid Debris Storage

Miscellaneous litter (tires, trash) was observed on the southern portion of the subject property, along Avenue 7 (Photographs 13 and 14).

Hazardous Material and Petroleum Product Use and Storage

No hazardous material or petroleum product storage or use was observed on the subject property.

Unnaturally Discolored Ponds or Flowing Waters

No unnaturally discolored pools or flowing water were observed on the subject property.

Groundwater Wells, Cisterns, Cesspools, or Septic Tanks

Three groundwater wells were observed on the subject property (Photographs 2, 5, and 6); the locations of the wells are presented on Figure 2, Subject Property Features. No cisterns, cesspools, or septic tanks were observed on the subject property.

Polychlorinated Biphenyl-Containing Items

Prior to 1978, polychlorinated biphenyls (PCBs) were often used in transformers and capacitors, specifically in cooling oils. PCBs were also used in hydraulic oils. Releases from these types of equipment may have resulted in PCB impacts to surrounding soils. The age of existing equipment may not necessarily indicate the presence of PCBs, as the equipment may have been replaced over time. As such, site history was also reviewed (see Section 8, Site History).

One pole-mounted transformer was observed adjacent to the southeastern portion of the subject property (Photographs 6 and 15); no evidence of leaks or staining was observed. No evidence of PCB-containing items was observed during the site reconnaissance.

Sumps or Ponds

No sumps or ponds were observed on the subject property.

Abnormal Odor

No abnormal odors were noted on the subject property.

Surface Staining, Corrosion, and Soil Disturbances

No staining, including de minimis stains, were observed during the site reconnaissance. No unnaturally disturbed soils were observed.

Tanks, Drums, Totes, and Intermediate Bulk Containers

A storage tank associated with the northwestern water well was observed during the site reconnaissance; no staining was observed (Photograph 5). No other drums, totes, or other bulk containers were observed on the subject property.

Agricultural Use

Based on a review of historical sources (see Section 8), the subject property has been used for agricultural purposes from as early as 1960 to the present. During the site reconnaissance, the subject property consisted of an almond orchard and harvested row crops.

Off-Site Sources

There were no off-site sources observed that would have impacted the environmental conditions of the subject property.

Fill Material

Fill material was not observed on the subject property.

Unidentified Substance Containers

No unidentified substance containers were observed on the subject property.

Pipelines

No hazardous materials pipelines were observed during the site reconnaissance. Markers indicating an underground gas pipeline were observed on the southern-adjointing property, south of Avenue 7 (Photograph 15).

Undeveloped Land

Substation

Disced/ Tilled Fields

Vineyards (fallow)

Disced/ Tilled Fields



Source: Bing

DUDEK



0 405 810 Feet

FIGURE 2

Subject Property Features

8 Site History

Based on a review of the historical aerial photographs, historical topographic maps, agency records, and the city directory report, the subject property has not been commercially or residentially developed. Oil and gas exploration was conducted on the southeastern portion of the subject property in 1937. The subject property has been used for agricultural purposes from at least 1960 to the present.

The first use of the subject property appears to be oil and gas exploration, which was exclusive to 1937. Following the oil and gas exploration, subject property remained undeveloped until the southeastern portion was cultivated for agricultural use by 1960. There is a gap in site history between 1924 to 1937, 1937 to 1946, 1950 to 1956/1961, 1962 to 1978, 1984 to 1998, and 1998 to 2006. This constitutes a data failure and is discussed further in Section 13. The adjoining properties have been used primarily for agricultural purposes and farming operations from as early as 1960 to the present.

8.1 Historical Aerial Photographs

Dudek reviewed historical aerial photographs obtained from EDR for 1937, 1946, 1950, 1960, 1962, 1978, 1981, 1998, 2006, 2009, 2012, 2016, and 2020. Dudek also reviewed aerial photographs from Google Earth for 2022 (Google Earth 2023). The photographs provided background information to assess the possibility of past activities that could present environmental concerns. The aerial photographs are described in Table 2.

Table 2. Summary of Aerial Photographs

| Date | Subject Property | Adjoining and Surrounding Properties |
|------|---|--|
| 1937 | The subject property appears to be uncultivated land. An earthen bermed area and small pond are located on the southeastern portion of the subject property. A dirt road appears to run across the southern boundary in an east-west direction to the pen structure and pond. | The adjoining properties to the north, south, east, and west are all uncultivated land. Roads (present-day Avenue 7 and Firebaugh Boulevard) adjoin the subject property on the north and south boundaries. A canal appears in the surrounding area approximately 1,535 feet to the east. A river appears to lead into the canal at a perpendicular angle from the east and is approximately 2,650 feet east of the subject property. Other roads appear in the surrounding areas. |
| 1946 | The subject property appears similar to the 1937 aerial image. | The river leading into the canal no longer appears in the surrounding area. The remaining adjoining properties appear to be similar to the 1937 aerial photograph. |
| 1950 | The subject property appears similar to the 1946 aerial image. | The adjoining roads to the north and south of the subject property boundary have been paved. |
| 1960 | A part of the southeastern portion of the subject property has been cultivated for agriculture. The most southern tip of the subject property does not appear in the aerial image. | The adjoining property to the southeast has been cultivated for agriculture and appears to have crop rows. Most of the adjoining and surrounding property to the south of the subject property do not appear in the aerial image. |
| 1962 | The subject property appears similar to the 1960 aerial image. | The properties in the surrounding area to the south of the subject property have been cultivated for agriculture and appear to have crop rows. |

Table 2. Summary of Aerial Photographs

| Date | Subject Property | Adjoining and Surrounding Properties |
|------|--|---|
| 1978 | The entirety of the subject property appears cultivated for agriculture. | All of the adjoining and surrounding properties to the south, east, and west appear cultivated for agriculture. The land adjoining the subject property to the north appears to be graded. The surrounding properties to the north appear uncultivated. |
| 1981 | A small structure appears in the center of the subject property. The rest of the subject property is still appears to be used for agriculture. | A substation appears adjoining the subject property to the north on the formerly graded land. The surrounding area to the north still appears to be uncultivated. All of the adjoining and surrounding properties to the south, east, and west still appear cultivated for agriculture. |
| 1998 | The small structure no longer appears on the subject property. A small structure appears north of the previous structure. Two trees appear in the north of the subject property. | Graded land appears to the west of the subject property in the surrounding area, where the present-day power station is located. Small agricultural related structures appear in the surrounding areas. A graded piece of land with several building structures appears approximately 2,340 feet to the east. |
| 2006 | The subject property appears similar to the 1998 aerial image. | The adjoining and surrounding areas appear similar to the 1998 aerial image. |
| 2009 | The subject property appears similar to the 2006 aerial image. | Elongated mounds of dirt are located near the power station. An agricultural pond now appears to the southwest of the subject property. |
| 2012 | The subject property appears similar to the 2009 aerial image. | Power lines appear adjoining the southern boundary of the subject property. The adjoining and surrounding areas appear similar to the 2009 aerial image. |
| 2016 | The subject property appears similar to the 2012 aerial image. | The adjoining and surrounding areas appear similar to the 2012 aerial image. |
| 2020 | The subject property appears similar to the 2016 aerial image. | The adjoining and surrounding areas appear similar to the 2016 aerial image. |
| 2022 | Agricultural equipment appears in the center and southern tip of the subject property. | The adjoining and surrounding areas appear similar to the 2020 aerial image. |

Note: See Appendix G for corresponding aerial photographs for 1937 through 2020. The 2022 Google Earth photo is available online and therefore is not included in Appendix G.

8.2 Historical Topographic Maps

Dudek reviewed historical topographic maps from 1921/1922, 1924, 1946, 1947/1948, 1948, 1956/1961, 1962, 1984, 2012, 2015, 2018, and 2021 (Appendix B). The topographic maps are a historical source that can be used to document the prior use of a subject property and surrounding area. The topographic maps are described in Table 3.

Table 3. Summary of Topographic Maps

| Date | Subject Property | Adjoining and Surrounding Properties |
|---------------|--|---|
| 1921/ 1922 | An intermittent stream is depicted across the northern portion of the subject property. No elevation changes are depicted across the subject property. | Madera Road (Present-day Firebaugh Boulevard) is depicted adjoining the subject property to the north. An unimproved road (Present-day Avenue 7) is depicted adjoining the southern boundary of the subject property. The Chowchilla Canal is depicted approximately 1,470 feet to the east of the subject property. Several canals, streams, and unimproved roads are depicted in the surrounding areas. A lake is depicted approximately 2,340 feet to the northwest of the subject property. The elevation of the adjoining and surrounding areas drops to the west and rises to the east of the subject property. |
| 1924 | The subject property is depicted similar to the 1921/1922 topographic map. | The adjoining and surrounding areas are depicted similar to the 1921/1922 topographic map. |
| 1946 | The subject property is depicted similar to the 1924 topographic map. | A power transmission line is depicted adjoining the subject property on the northern boundary. Three windmills are depicted to the east and south of the subject property. A road is depicted running parallel to the Chowchilla Canal. |
| 1947/ 1948 | The subject property is depicted similar to the 1946 topographic map. | Madera Road is now depicted as a secondary highway. The rest of the adjoining and surrounding area is depicted similar to the 1946 topographic map. |
| 1948 | The subject property is depicted similar to the 1947/1948 topographic map. | The adjoining and surrounding areas are now depicted similar to the 1947/1948 topographic map. |
| 1956/ 1961 | The subject property is depicted similar to the 1948 topographic map. | The road adjoining the subject property to the south is now depicted as a light duty road. The adjoining properties are depicted similar to the 1948 topographic map. Several small buildings are depicted to the approximately 2,680 feet to the northeast of the subject property. A portion of the road running parallel to the Chowchilla Canal directly to the east of the subject property is no longer depicted; the northern and southern portions of the road still remain. New roads are depicted in the area surrounding the subject property to the north and south. |
| 1962 | The subject property is depicted similar to the 1956/1961 topographic map. | Madera Road is now depicted as Firebaugh Road. Additional roads are depicted in the area surrounding the subject property to the north. The remaining adjoining and surrounding properties are depicted similar to the 1956/1961 topographic map. |
| 1984 | The subject property is depicted similar to the 1962 topographic map. | Two small structures are depicted on the adjoining property to the north of the subject property. Several larger building structures are now depicted approximately 1.27 miles south of the subject property. The road parallel to the Chowchilla Canal is now labeled as the Chowchilla Canal Road. |
| 2012 | An unnamed road is now depicted running north to south through the center of the subject property. A road, perpendicular to | The road adjoining the subject property to the south is now labeled as Avenue 7. Roads are now depicted on most adjoining and surrounding properties to the |

Table 3. Summary of Topographic Maps

| Date | Subject Property | Adjoining and Surrounding Properties |
|------|---|--|
| | the unnamed road, is depicted to the east and is labeled Avenue 7 ½. The intermittent stream is no longer depicted on the subject property. | north, south, east, and west. Two square ponds are depicted approximately 3,590 feet to the west of the subject property, where the power station is located. |
| 2015 | The subject property is not depicted with any major features. | The smaller roads on the adjoining and surrounding properties are no longer depicted. |
| 2018 | The roads depicted in the 2012 topographic map are once again depicted. | The portion of the Chowchilla Canal to the east of the subject property is now depicted as a marsh or swamp. The roads on the adjoining and surrounding properties are depicted again. Multiple irrigation ponds are depicted on the surrounding properties. |
| 2021 | The subject property is depicted similar to the 2018 topographic map. | The road adjoining the subject property to the south is now labeled as Ripperdan Avenue. The Chowchilla Canal is now labeled as Eastside Bypass. |

Note: See Appendix B for corresponding maps.

8.3 Fire Insurance Maps

Historical Sanborn fire insurance maps were requested from EDR. Sanborn maps provide information regarding the historical uses of the subject property and surrounding properties. Sanborn maps typically exist for cities with populations of 2,000 or more; the coverage is dependent on the location of the subject site within the city limits. The Sanborn Map Report lists the subject property as an unmapped property; no additional information was included in the report. The Sanborn Map Report is provided in Appendix H.

8.4 City Directory

City directory listings were requested from EDR (Appendix I). Table 4 details the findings of the city directory abstract. The subject property does not currently have an individual physical address used for the city directory. For the city directory review, Avenue 7, Avenue 7 ½, and Ripperdan Avenue were used to identify the subject property and adjoining properties. Findings for the subject property and for adjoining property addresses are summarized in Table 4.

Table 4. Summary of City Directory Listings

| Address | Date | Listings |
|---|------|--------------------------------|
| Subject Property | | |
| The subject property does not have an individual identifying address. | | |
| Adjoining to the East | | |
| 5674 Avenue 7 | 2010 | Private Owner |
| Adjoining to the South | | |
| 10302 Avenue 7 | 2000 | Newhall Land & Farming Company |

8.5 Title Information/Environmental Liens

As discussed in Section 6.2, the user is required to complete a search for environmental liens and AULs to satisfy the requirements of the All Appropriate Inquiries Rule for CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) liability protection. A search for environmental liens and AULs was not included in Dudek's scope of work.

9 Previous Environmental Site Assessments

No previous environmental assessments were provided to Dudek during this Phase I ESA.

10 Vapor Encroachment

Dudek evaluated vapor encroachment to determine whether there is a potential for vapors originating from contaminated soil and/or groundwater to occur in the subsurface below the existing and potential future on-site structures. Information obtained from other sources (geologic and hydrogeological information, site reconnaissance, and local regulatory agency responses), as discussed in this report, was also considered. The VEC assessment was conducted in accordance with ASTM E2600-22 guidance (ASTM 2022). The EDR Radius Map Report (Appendix C) was used to evaluate listed contaminated sites as identified in federal, state, and local databases. A VEC assessment report is provided in Appendix J.

No sites were identified as having groundwater contamination or soil vapor contamination that could impact the subject property; as such, no VEC was identified.

11 Non-ASTM Considerations

This section discusses non-ASTM scope considerations that were included in this Phase I ESA based on the conditions at the subject property. These items are not required to be evaluated per the ASTM Standard, but may still pose environmental health and safety risks.

Asbestos

Asbestos has been specifically designated a hazardous substance pursuant to CERCLA Section 102, but abatement costs are generally not recoverable under CERCLA. Many building materials commonly contained asbestos until the late 1970s, and a smaller list of building materials contained asbestos in the 1980s, such as drywall, joint compounds, vinyl flooring, roofing, asbestos-cement products, and stucco. Under the Toxic Substances Control Act, EPA banned the use of asbestos in many products, with partial bans occurring in 1989 and 1993. However, a full ban of asbestos products did not occur until 2019. Therefore, if a building was constructed prior to 1989, it is likely it contains asbestos. If it was constructed between 1989 and 2019, it is less likely asbestos is present, but there is still a chance that asbestos was used.

No buildings are present on the subject property therefore, asbestos-containing materials are unlikely to present a concern for the subject property.

Lead-Based Paint

Paint manufacturers frequently used lead as a primary paint ingredient through the 1940s and gradually decreased its use in the 1950s and 1960s. The federal department of Housing and Urban Development estimates 30% of homes built in the United States before 1978 contain some lead-based paint. The Consumer Product Safety Commission prohibited the use of lead-based paints in residential buildings in 1978; however, the use of lead-based paints in commercial and industrial buildings is not prohibited.

No buildings are present on the subject property therefore, lead-containing materials are unlikely to present a concern for the subject property.

Radon

Radon is a radioactive gas that is produced from the natural decay of uranium, radium, and thorium in soil, rock, and groundwater. When radon becomes trapped in buildings and concentrations accumulate, exposure to radon can be a concern.

The EDR Radius Map Report presents radon test results for the vicinity of the subject property. Four sites within Madera County were evaluated. The radon concentration was measured at 1.200 picocuries per liter (pCi/L) in the living area. The EPA radon zone for Madera County is 2, which corresponds with average expected indoor radon levels between 2 and 4 pCi/L. The federal radon action level is 4 pCi/L.

12 Findings and Conclusions

Information gathered for this report indicated the following:

- The subject property has been used for agricultural purposes from at least 1960 to the present.
 - Historical and ongoing agricultural use is generally associated with the use of pesticides and herbicides, which can result in elevated concentrations of chlorinated compounds and metals. However, based on the proposed future use of the subject property, it is unlikely that residual concentrations of pesticide-related compounds would be above applicable risk-based concentrations for the proposed future land use. Therefore, this is not considered a REC.
 - Should the proposed use of the subject property differ from the proposed use presented in this Phase I ESA, the potential presence of residual impacts associated with agricultural use should be considered when evaluating future risk.
- The subject property currently consists of vineyards and tilled/disc'd fields. A water well and storage tank were observed on the western portion of the subject property; two additional wells were identified on the northern and southeastern portions of the subject property during the site reconnaissance.
- Adjoining properties to the subject property include a substation and undeveloped land to the north, disc'd field to the south and east, and fallow vineyards to the west. Surrounding properties include agriculture and a power station to the west.

Dudek performed this Phase I ESA of the subject property in conformance with the scope and limitations of ASTM E2247-16 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM 2016). This report summarizes the research and findings of the Phase I ESA. This assessment did not reveal evidence of RECs, HRECs, CRECs, or VECs in connection with the subject property.

Data gaps, none of which were determined to be significant, are discussed in Section 13.

13 Limitations

13.1 Data Gaps and Data Failures

As defined in ASTM E2247-16, a data failure is a failure to achieve the historical research objective required by the ASTM Standard even after reviewing the standard historical resources that are reasonably ascertainable and likely to be useful. A data failure is a type of data gap.

The following data failure was identified for this Phase I ESA:

- Historical resources were not available from 1924 to 1937, 1937 to 1946, 1950 to 1956/1961, 1962 to 1978, 1984 to 1998, and 1998 to 2006, which is greater than the 5-year interval required by the ASTM Standard. This constitutes a data failure.

As defined in ASTM E2247-16, a data gap is the lack of or inability to obtain information required by this practice despite good faith efforts. A data gap is considered significant when it affects the ability of the environmental professional to identify RECs.

The following data gaps were identified for this Phase I ESA:

- The data failure in historical resources is considered a data gap. Land use did not appear to change during the years not represented by the historical resources. Based on other available information and known historical uses, this does not limit the ability to identify RECs and is therefore not considered a significant data gap.
- A search for environmental liens and AULs was not requested by the user as part of this Phase I ESA, which is considered a data gap. The data gap is not considered significant, but it is recommended that the user complete a search for environmental liens and AULs for the subject property, prior to purchase, to fulfill the requirements of the ASTM E2247-16 Standard.
- Records requests were not received from the Madera County Environmental Health Division and Madera County online service website. Based on the site history, available historical and regulatory information, and present-day use, this data gap does not limit the ability to determine RECs and is therefore considered less than significant.

Should Dudek receive information following submission of this Phase I ESA report that completes one of these data gaps and changes the findings of the Phase I ESA report, Dudek will submit the findings to the user in an addendum.

13.2 Report Limitations

The findings and conclusions presented in this report are professional opinions based solely on the indicated data described in this report, as reflected in the discussion in this report of the visual observations of the subject property and vicinity and documentation reviewed and, based on the foregoing, our interpretation of this information and these documents. Dudek makes no warranty, guarantee, or representation, express or implied, as to statements made by others or information included in documentation reviewed or otherwise provided to Dudek, as described in this report. This report does not purport to identify or describe all potential contamination

or other issues related to the environment respecting the subject property and/or the vicinity. Likewise, it is understood that it is possible that conditions or contamination exist at the subject property or in the vicinity that are not identified in this Phase I ESA.

No warranties or guarantees or representations, expressed or implied, are made by Dudek, except for the representation that this report has been prepared in accordance with the current generally accepted practices and standards consistent with the level of care and skill exercised under similar circumstances by other professionals performing the same or similar services in the same or similar geographical locality. This report, including its conclusions and/or recommendations, is intended exclusively and solely for the purpose outlined herein and for the client identified hereunder. This report may not be relied upon by any other person or entity without the express advance written consent of Dudek specifically identifying such person or entity. Dudek reserves the right to further condition any such third-party use based on matters it deems appropriate under the circumstances, in its sole discretion.

This report is subject to the conditions and restrictions and limitations described in ASTM E2247-16.

In accordance with Section 4.6.1 of ASTM E2247-16, this Phase I ESA is valid as a general matter for not longer than 180 days from the date of the first interview, first review of government records, or first visual inspection. If this Phase I ESA has been prepared for the purposes of a transaction, the report must have been completed no more than 180 days prior to the transaction date to be considered viable. Otherwise, the report must be updated or revised in accordance with ASTM E2247-16.

14 References

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Appendix A

Qualifications of Environmental Professionals

| Environmental Professional | Professional License | Degree(s) | Years Relevant Experience | Task Performed |
|----------------------------|--|---|---------------------------|--------------------------------------|
| Susan Smith | Professional Geologist, State of California | BS, Geological Sciences, California State University Fullerton | 21 | Report Preparation/ Review, QA/QC |
| Cheyenne Graves | Engineer In Training, State of California | MS, Civil Engineering, San Diego State University | 1 | Report Preparation |
| Joshua Reese | N/A | PhD, Biology, Washington University in Saint Louis | 23 | Site Reconnaissance |
| Emily Sanchez | N/A | MS, Biology, California State University Fullerton | 1 | Site Reconnaissance |

Appendix B

Historical Topographic Maps

Roberts Phase I ESA

No Address

Madera, CA 93637

Inquiry Number: 7518907.4

December 12, 2023

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

12/12/23

Site Name:

Roberts Phase I ESA
No Address
Madera, CA 93637
EDR Inquiry # 7518907.4

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Susan Smith



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by DUDEK 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. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

| | | | |
|-----------------|---------------------|----------------------|--------------------------------|
| P.O.# | 14777.27 | Latitude: | 36.856893 36° 51' 25" North |
| Project: | Roberts Alternative | Longitude: | -120.325588 -120° 19' 32" West |
| | | UTM Zone: | Zone 10 North |
| | | UTM X Meters: | 738428.37 |
| | | UTM Y Meters: | 4082336.38 |
| | | Elevation: | 162.00' above sea level |

Maps Provided:

| | |
|------------|------------|
| 2021 | 1947, 1948 |
| 2018 | 1946 |
| 2015 | 1924 |
| 2012 | 1921, 1922 |
| 1984 | |
| 1962 | |
| 1956, 1961 | |
| 1948 | |

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Topo Sheet Key

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

2021 Source Sheets



Mendota Dam
2021
7.5-minute, 24000



Firebaugh NE
2021
7.5-minute, 24000

2018 Source Sheets



Mendota Dam
2018
7.5-minute, 24000



Firebaugh NE
2018
7.5-minute, 24000

2015 Source Sheets



Mendota Dam
2015
7.5-minute, 24000



Firebaugh NE
2015
7.5-minute, 24000

2012 Source Sheets



Mendota Dam
2012
7.5-minute, 24000

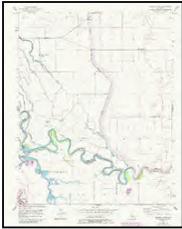


Firebaugh NE
2012
7.5-minute, 24000

Topo Sheet Key

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

1984 Source Sheets

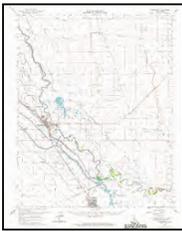


Mendota Dam
1984
7.5-minute, 24000
Aerial Photo Revised 1981



FIREBAUGH NE
1984
7.5-minute, 24000

1962 Source Sheets



Firebaugh
1962
15-minute, 62500

1956, 1961 Source Sheets



Mendota Dam
1956
7.5-minute, 24000
Aerial Photo Revised 1955



Firebaugh NE
1961
7.5-minute, 24000
Aerial Photo Revised 1958

1948 Source Sheets

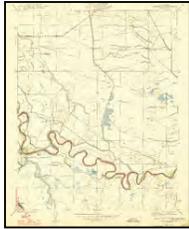


MENDOTA=MENDOTA DAM
1948
7.5-minute, 25000

Topo Sheet Key

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

1947, 1948 Source Sheets



Mendota
1947
7.5-minute, 24000



Kentucky Well
1948
7.5-minute, 24000

1946 Source Sheets



Firebaugh
1946
15-minute, 62500
Aerial Photo Revised 1946

1924 Source Sheets

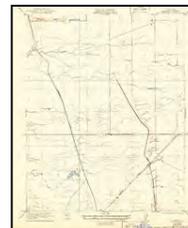


Mendota
1924
7.5-minute, 31680

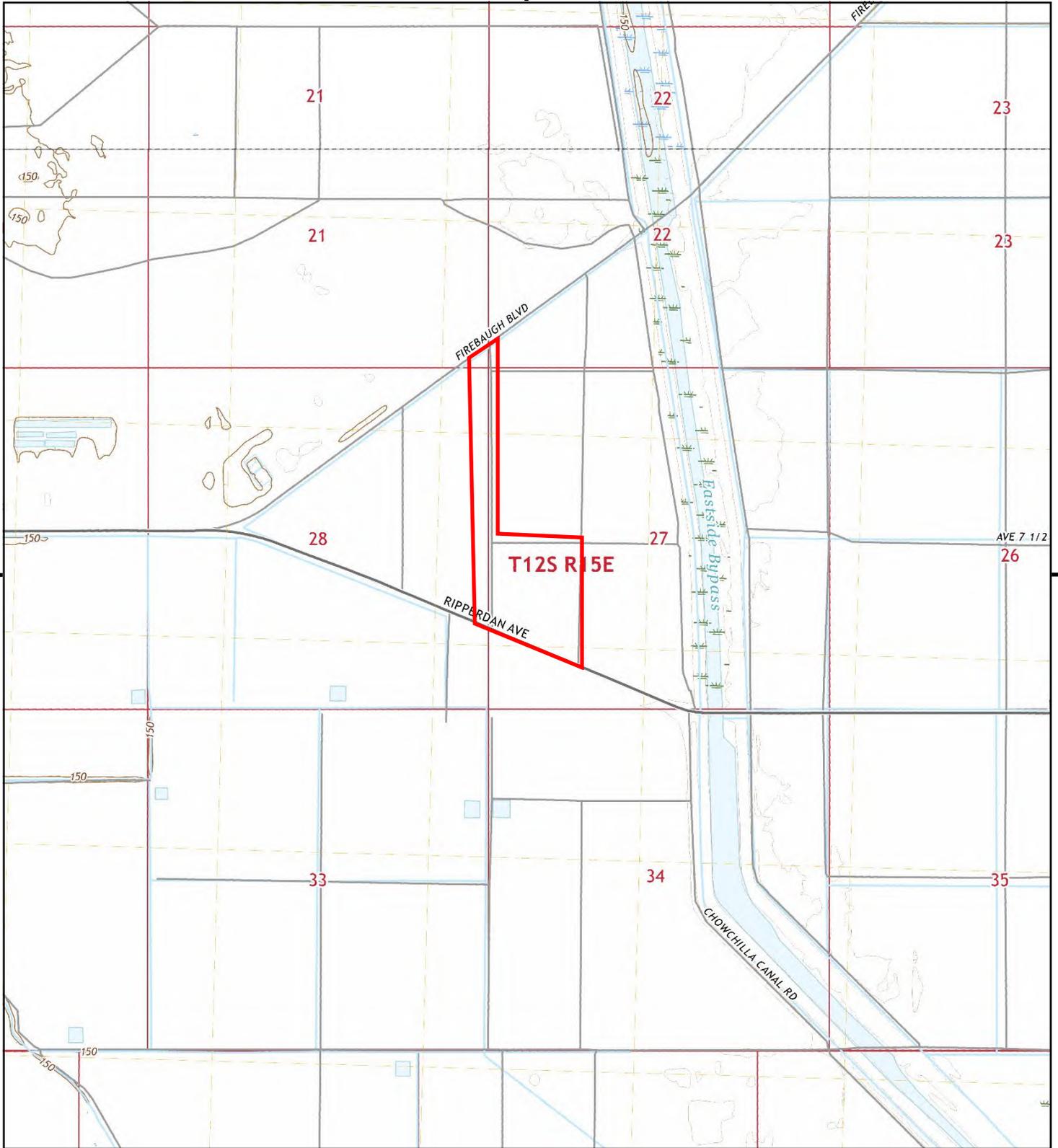
1921, 1922 Source Sheets



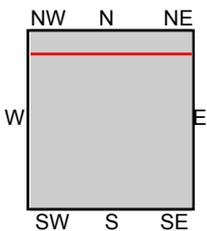
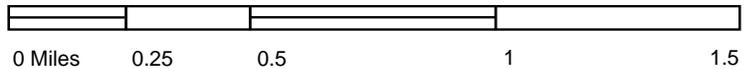
Mendota
1921
7.5-minute, 31680



Kentucky Well
1922
7.5-minute, 31680



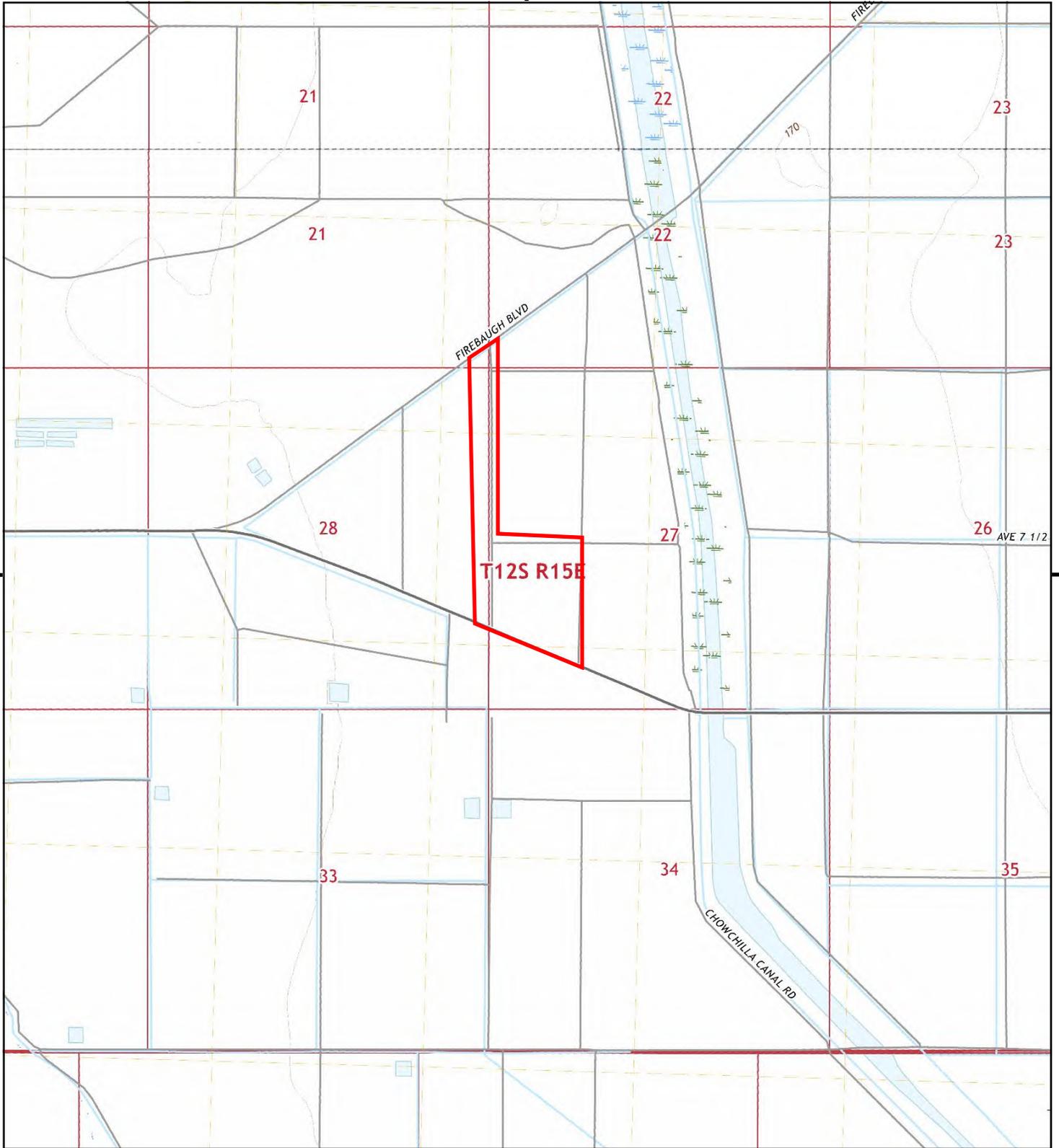
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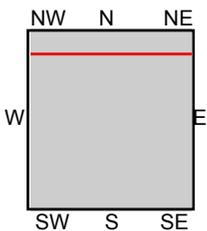
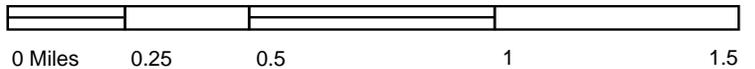
TP, Mendota Dam, 2021, 7.5-minute
N, Firebaugh NE, 2021, 7.5-minute

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ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK





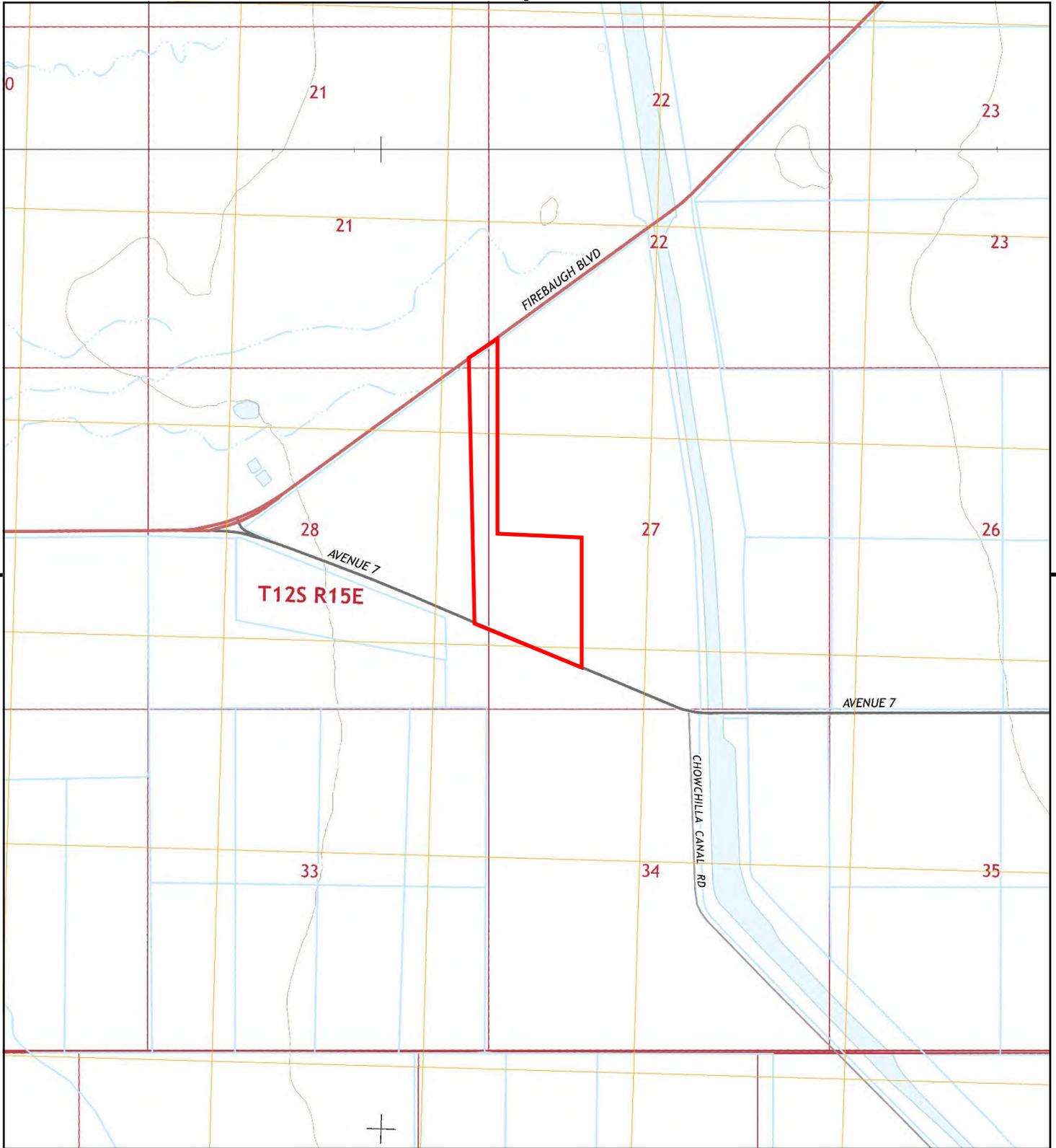
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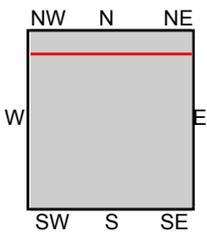
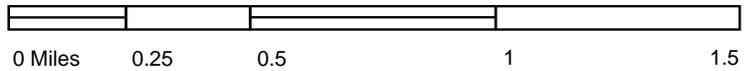
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ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK





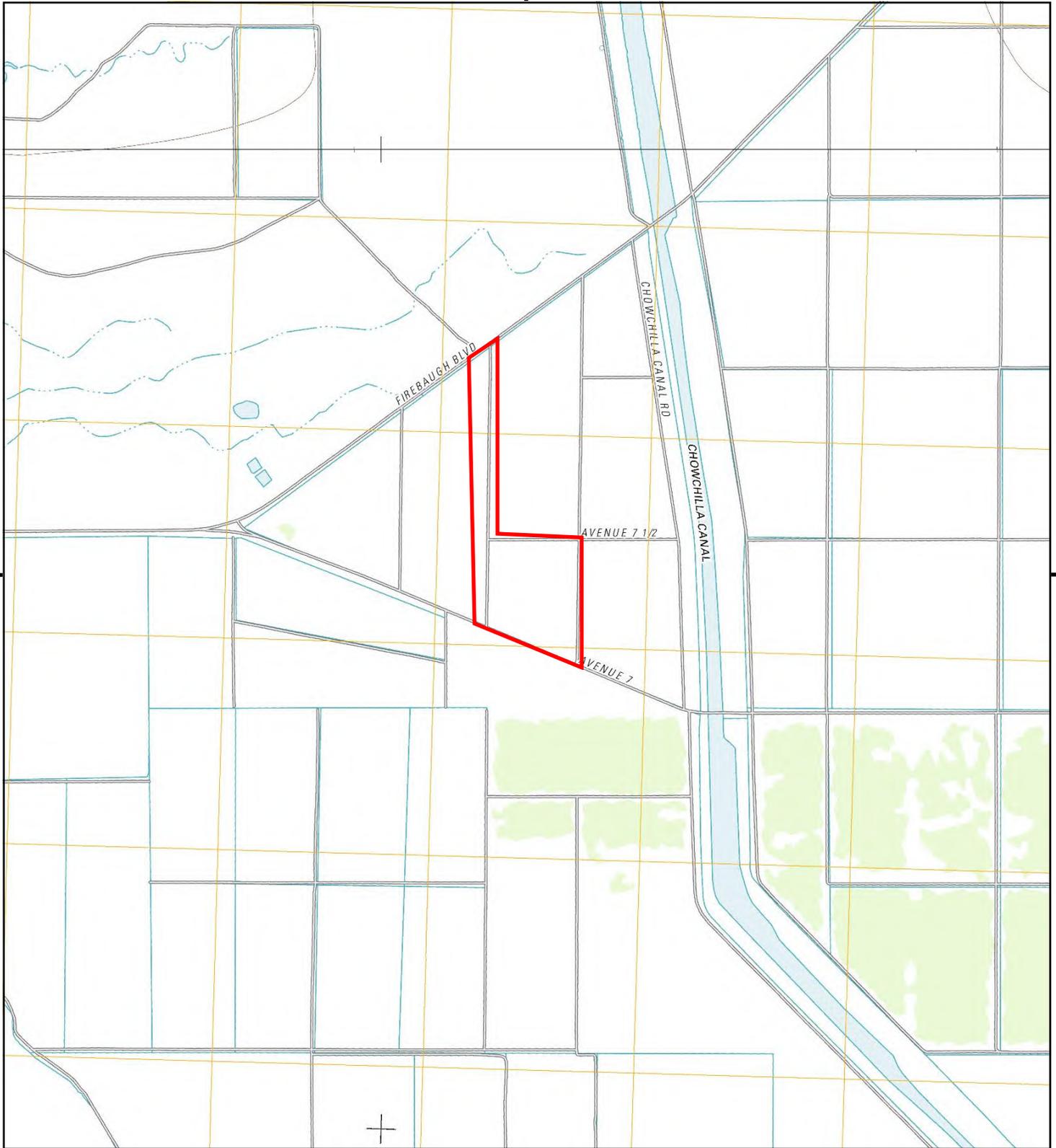
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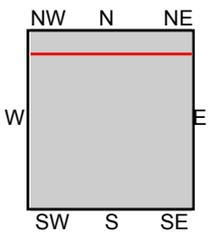
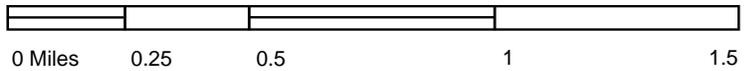
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N, Firebaugh NE, 2015, 7.5-minute

SITE NAME: Roberts Phase I ESA
ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK





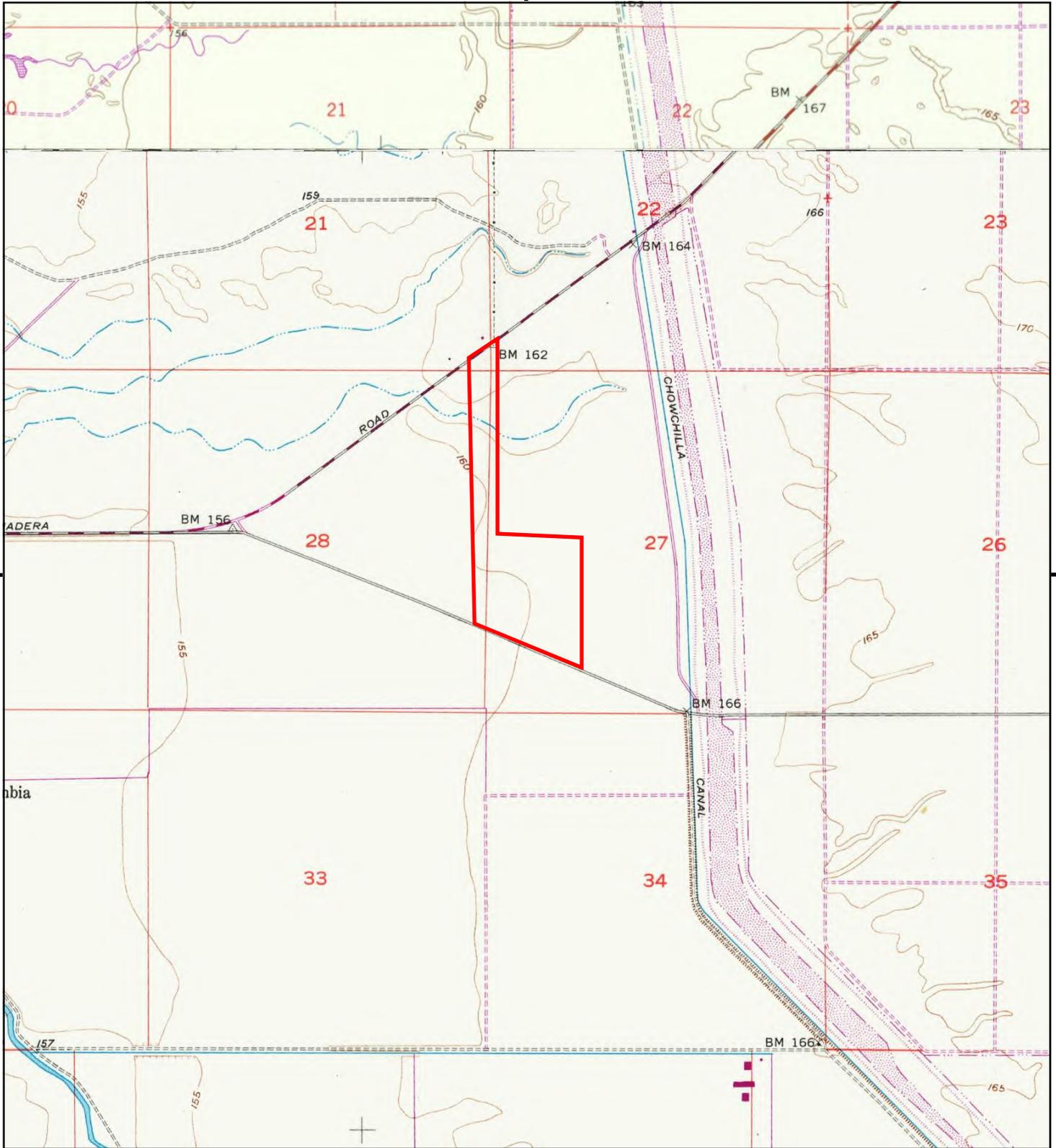
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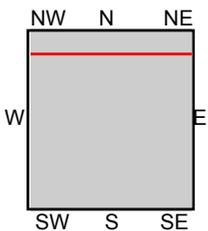
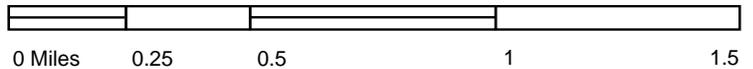
TP, Mendota Dam, 2012, 7.5-minute
N, Firebaugh NE, 2012, 7.5-minute

SITE NAME: Roberts Phase I ESA
ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK





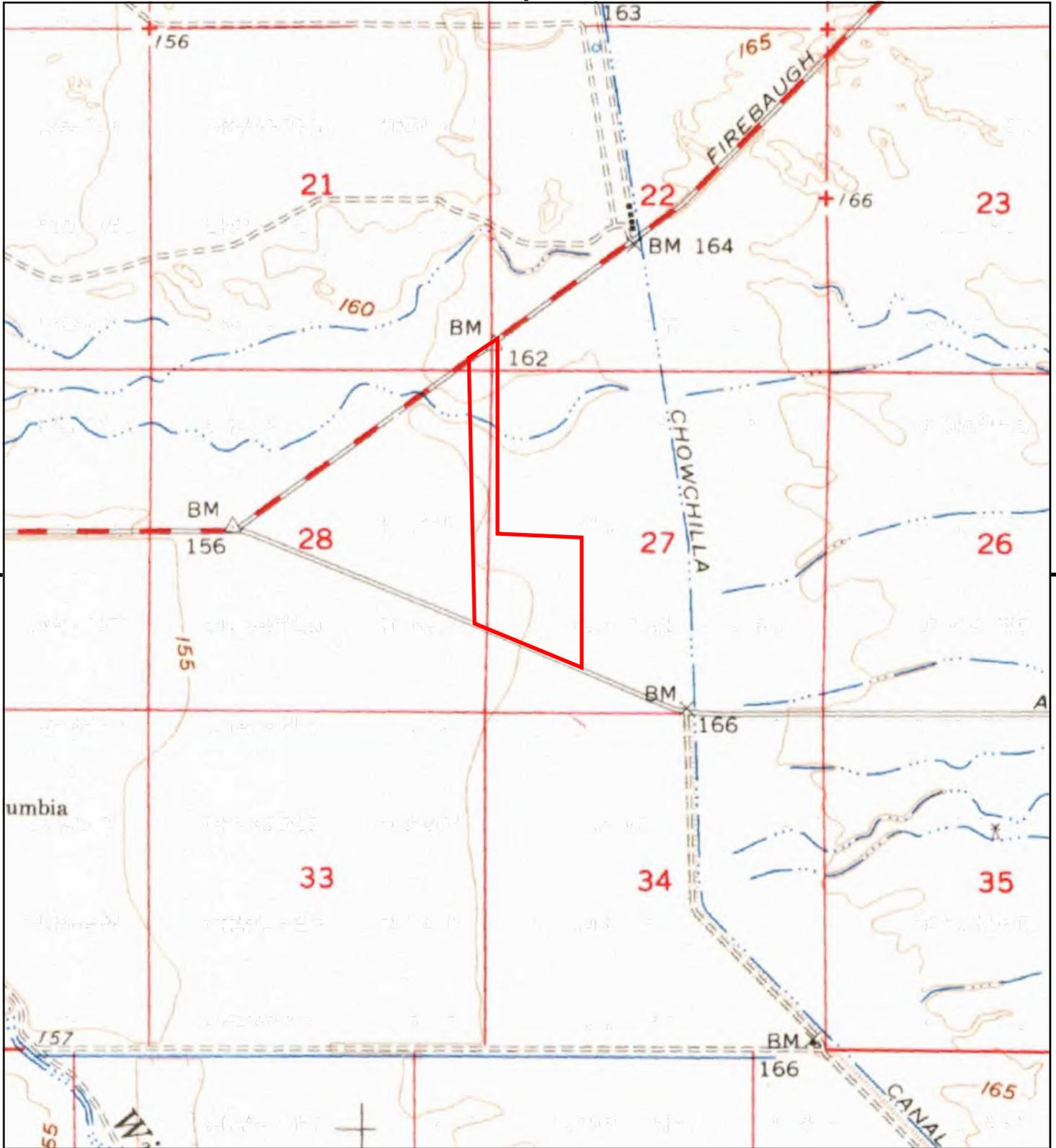
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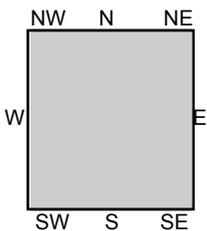
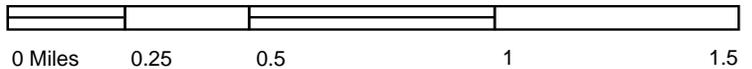
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N, FIREBAUGH NE, 1984, 7.5-minute

SITE NAME: Roberts Phase I ESA
ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK





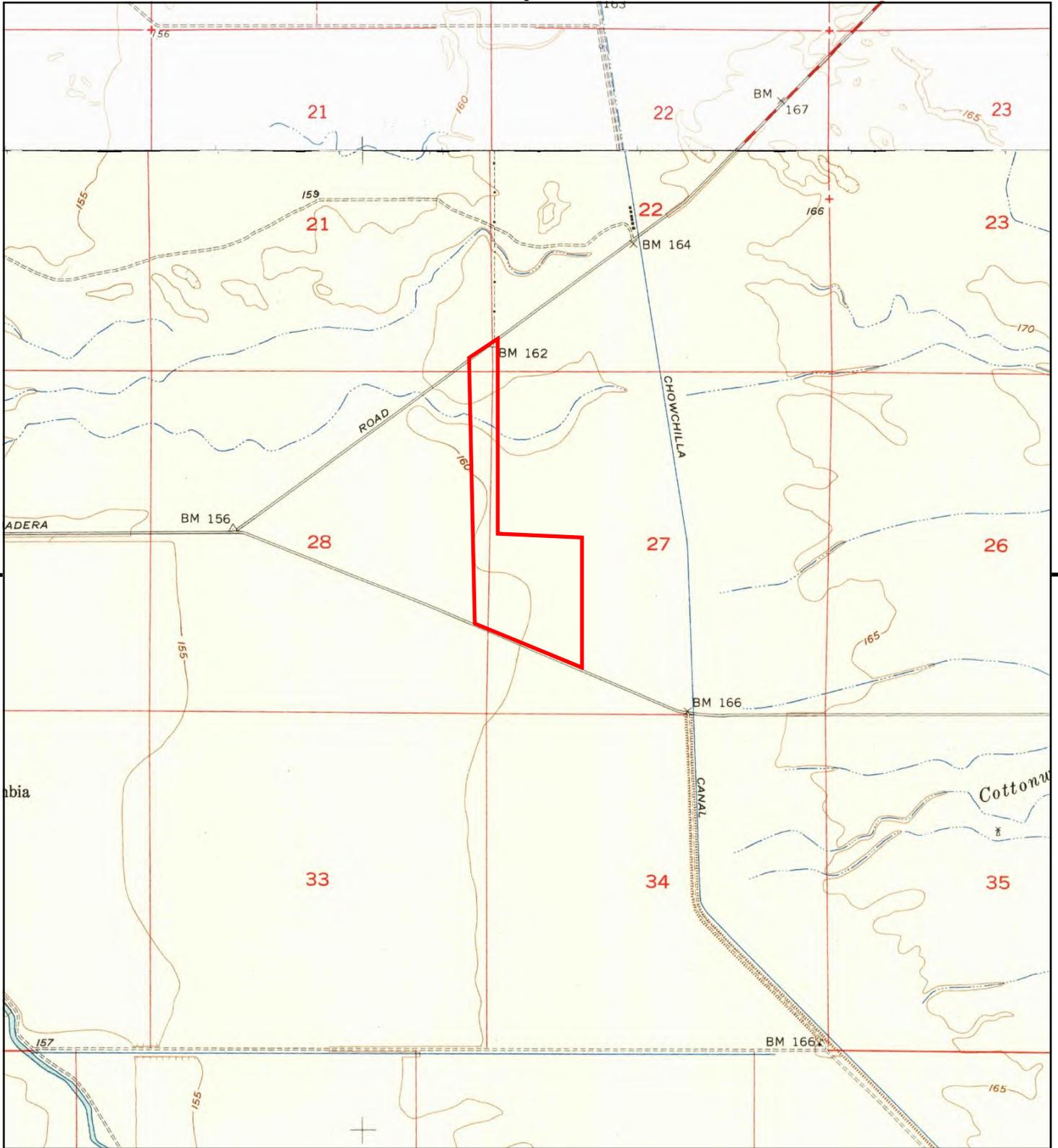
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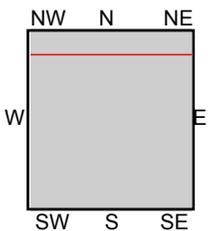
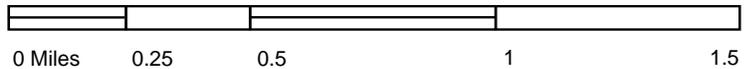
TP, Firebaugh, 1962, 15-minute

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera, CA 93637
 CLIENT: DUDEK





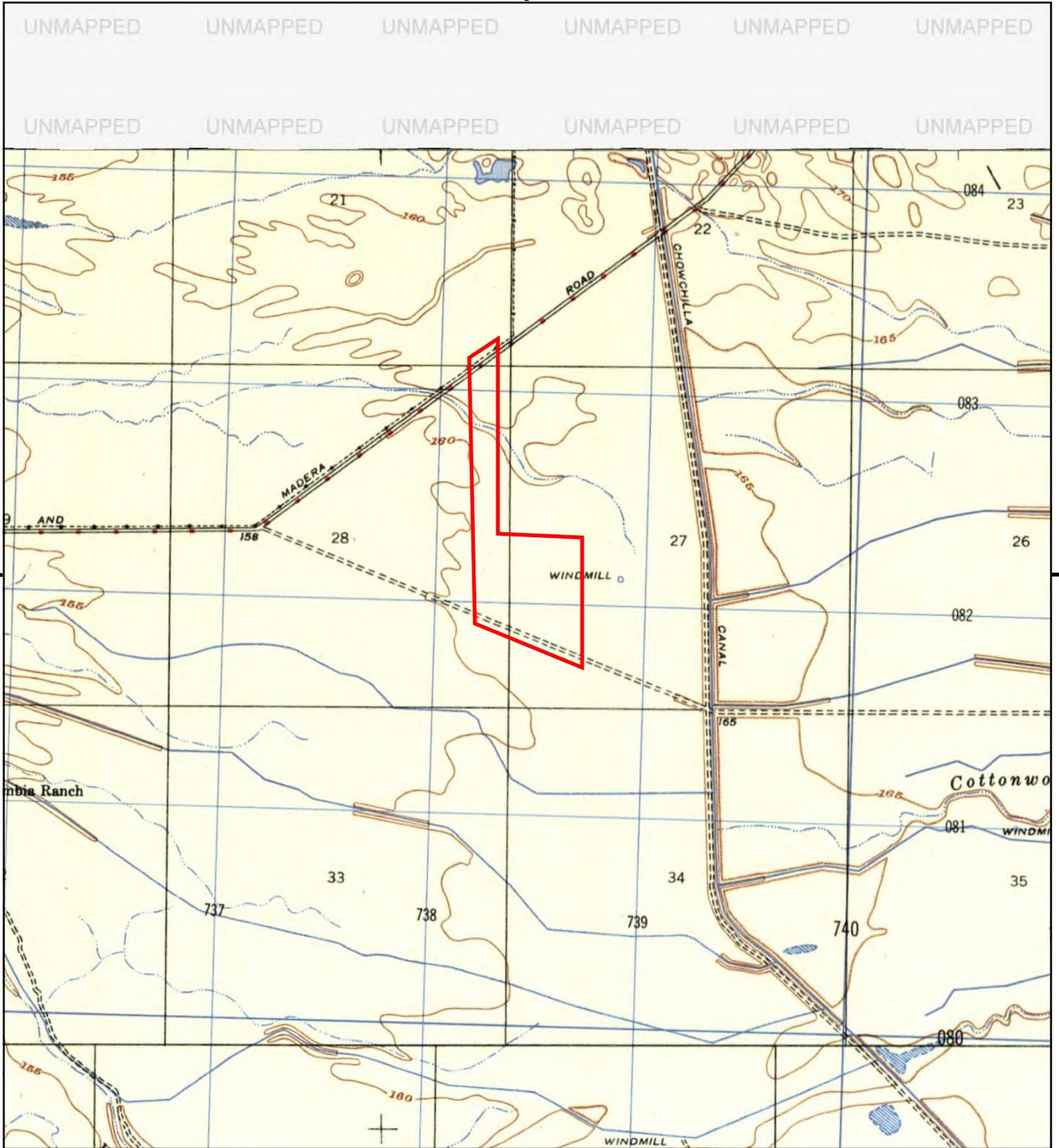
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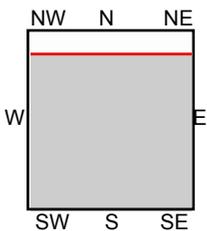
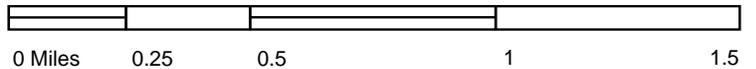
TP, Mendota Dam, 1956, 7.5-minute
N, Firebaugh NE, 1961, 7.5-minute

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Madera, CA 93637
CLIENT: DUDEK





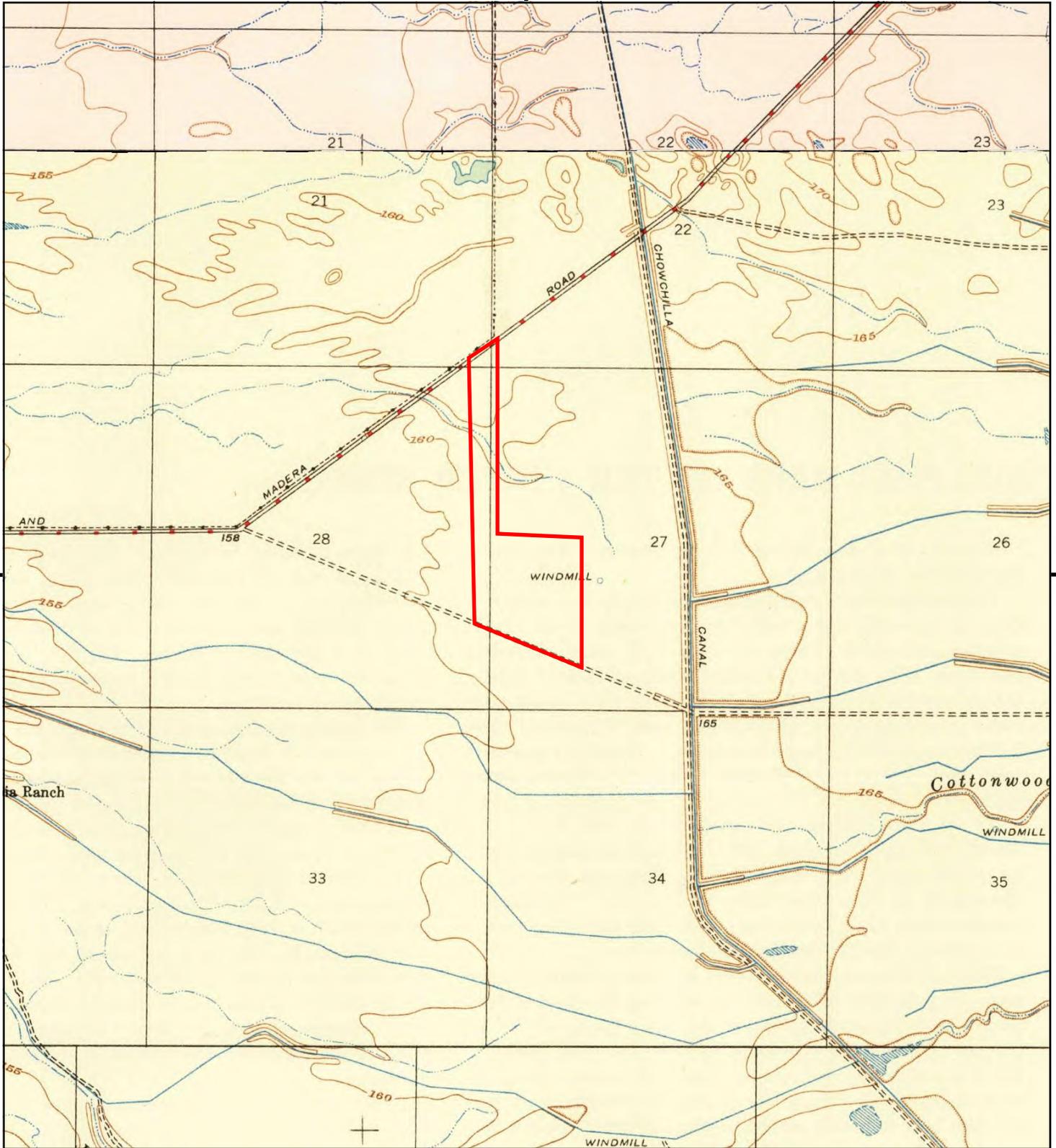
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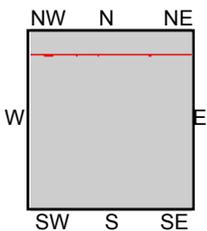
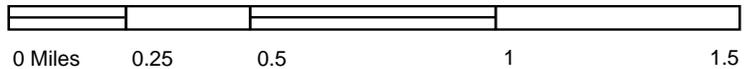
TP, MENDOTA=MENDOTA DAM, 1948, 7.5-minute

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera, CA 93637
 CLIENT: DUDEK





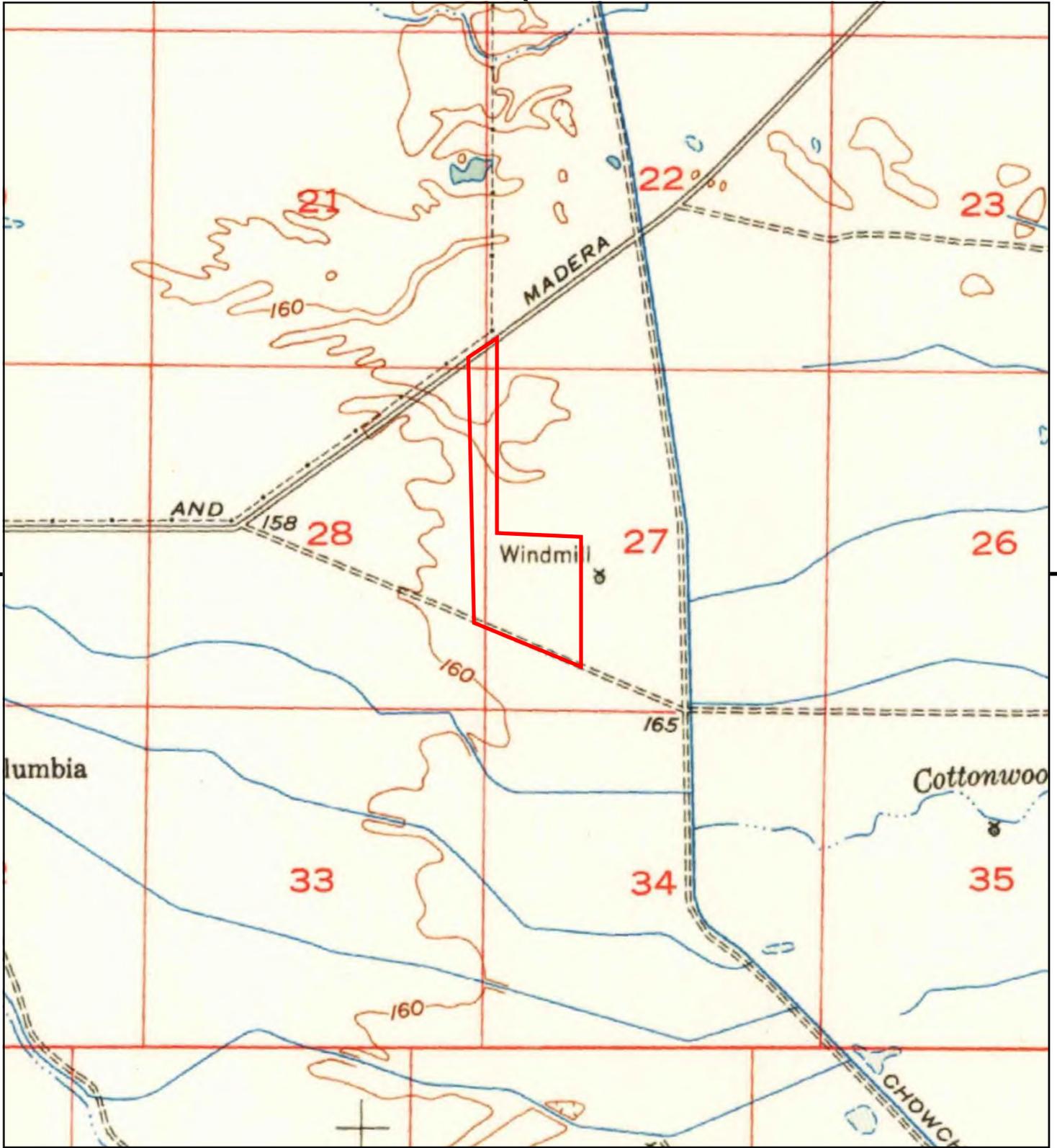
This report includes information from the following map sheet(s).



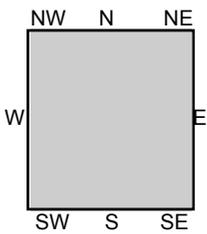
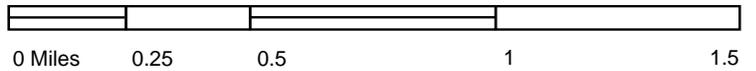
TP, Mendota, 1947, 7.5-minute
N, Kentucky Well, 1948, 7.5-minute

SITE NAME: Roberts Phase I ESA
ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK





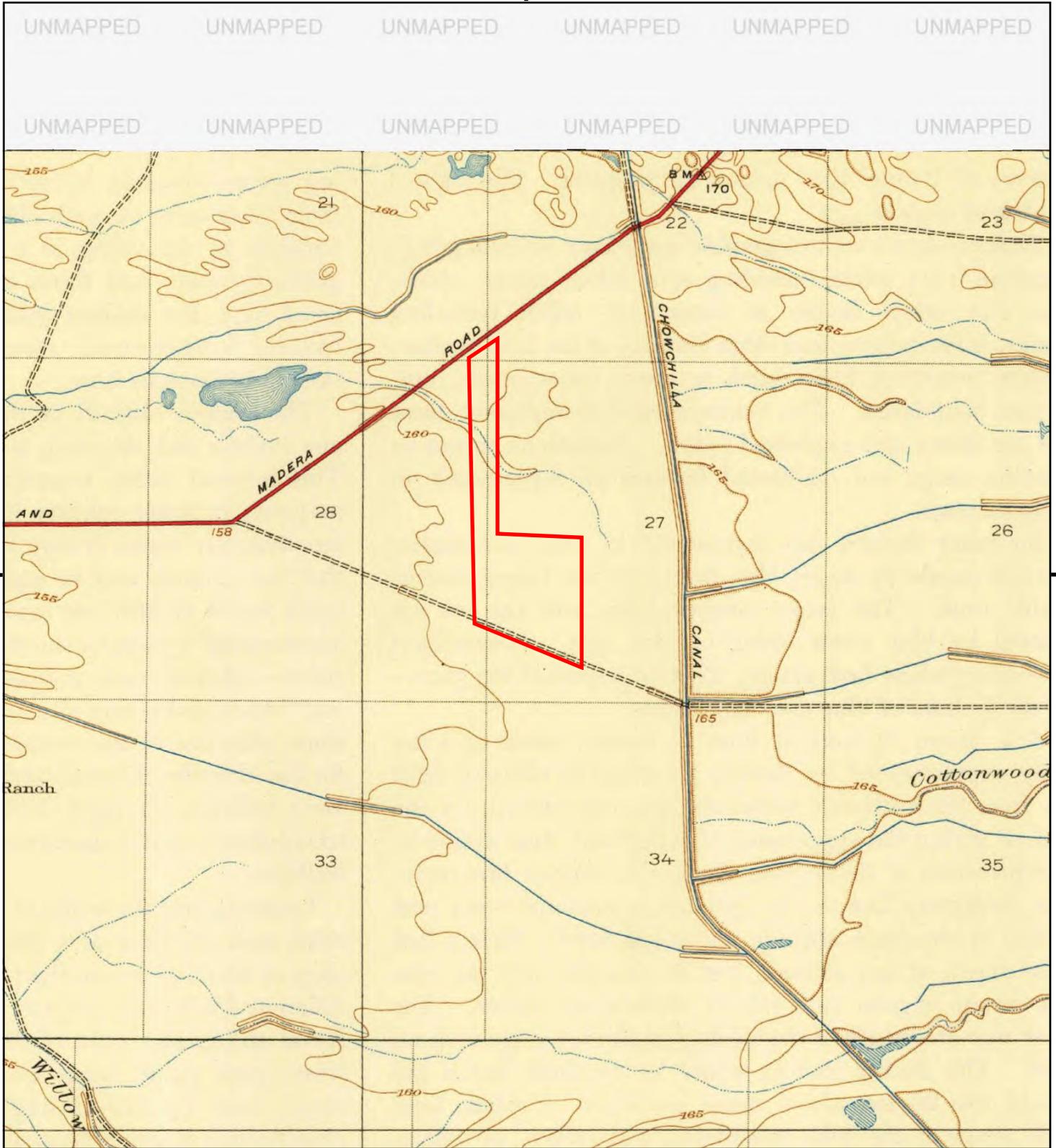
This report includes information from the following map sheet(s).



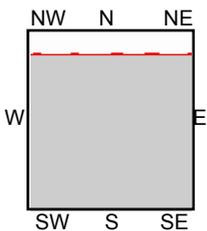
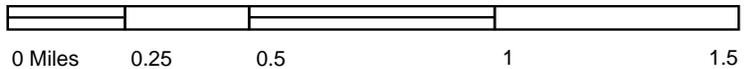
TP, Firebaugh, 1946, 15-minute

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera, CA 93637
 CLIENT: DUDEK





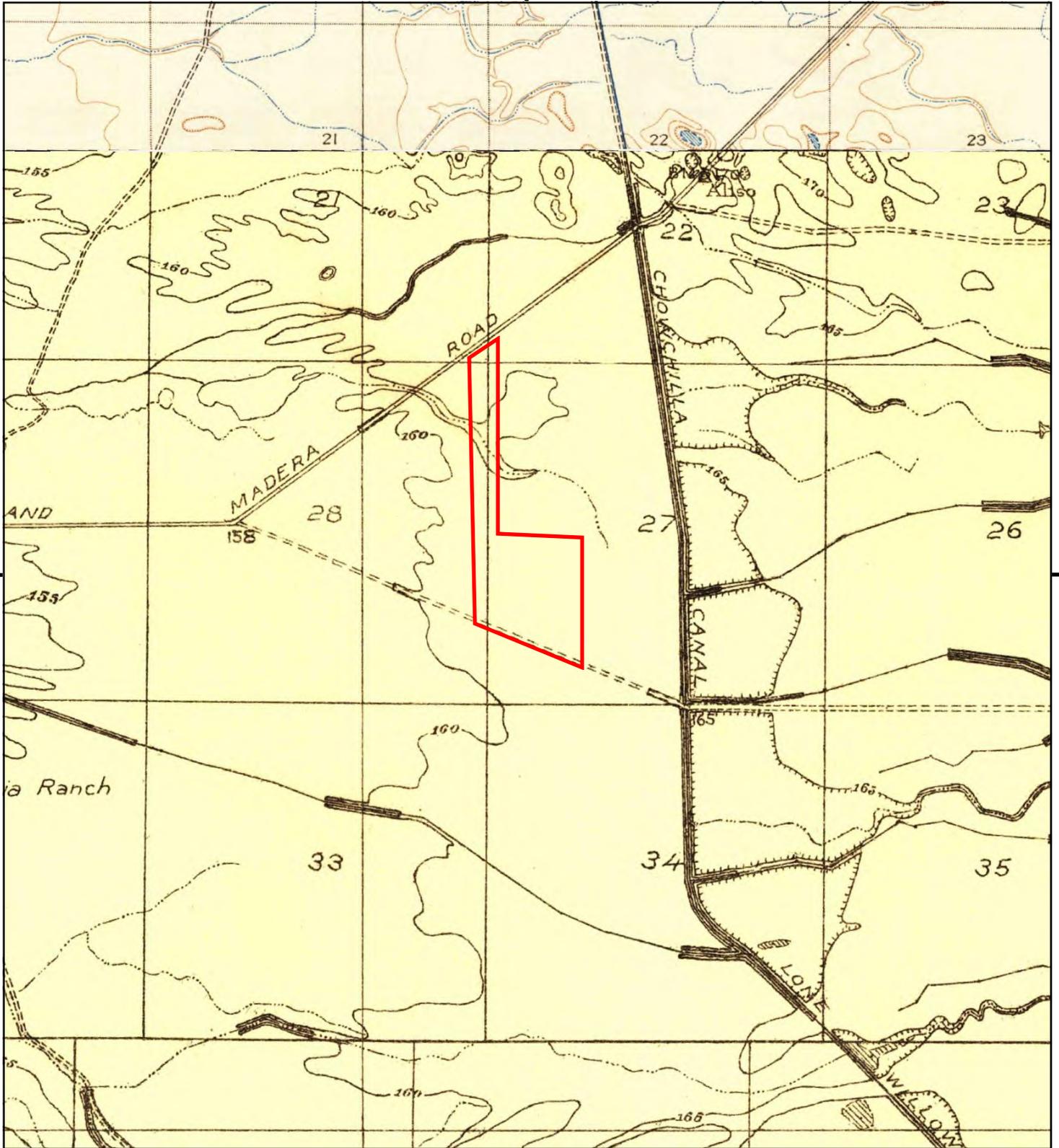
This report includes information from the following map sheet(s).



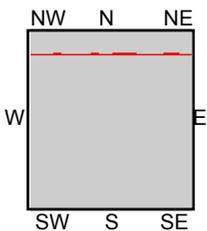
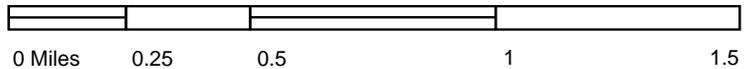
TP, Mendota, 1924, 7.5-minute

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera, CA 93637
 CLIENT: DUDEK





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



TP, Mendota, 1921, 7.5-minute
N, Kentucky Well, 1922, 7.5-minute

SITE NAME: Roberts Phase I ESA
ADDRESS: No Address
Madera, CA 93637
CLIENT: DUDEK



Appendix C

EDR Radius Map Report

Roberts Phase I ESA

No Address

Madera, CA 93637

Inquiry Number: 7518907.2s

December 12, 2023

The EDR Radius Map™ Report with GeoCheck®



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

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| Physical Setting SSURGO Soil Map | A-5 |
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| Physical Setting Source Records Searched | PSGR-1 |

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NO ADDRESS
MADERA, CA 93637

COORDINATES

Latitude (North): 36.8568930 - 36° 51' 24.81"
Longitude (West): 120.3255880 - 120° 19' 32.11"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 738434.2
UTM Y (Meters): 4082133.8
Elevation: 162 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 50003722 MENDOTA DAM, CA
Version Date: 2021

North Map: 50003698 FIREBAUGH NE, CA
Version Date: 2021

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200616
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
NO ADDRESS
MADERA, CA 93637

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------|--------------------|----------------------|-------------------|--------------------|----------------------------|
| 1 | NEW COLUMBIA RANCH | 10302 AVENUE 7-1/2 (| CPS-SLIC, CERS | Lower | 38, 0.007, SW |

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL..... National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS..... Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE..... State Response Sites

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR..... EnviroStor Database

Lists of state and tribal landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

LUST..... Geotracker's Leaking Underground Fuel Tank Report

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

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

UST..... Active UST Facilities

AST..... Aboveground Petroleum Storage Tank Facilities

INDIAN UST..... Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP..... Voluntary Cleanup Program Properties

Lists of state and tribal brownfield sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database

SWRCY..... Recycler Database

HAULERS..... Registered Waste Tire Haulers Listing

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

EXECUTIVE SUMMARY

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
HIST Cal-Sites..... Historical Calsites Database
SCH..... School Property Evaluation Program
CDL..... Clandestine Drug Labs
CERS HAZ WASTE..... California Environmental Reporting System Hazardous Waste
Toxic Pits..... Toxic Pits Cleanup Act Sites
US CDL..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST..... SWEEPS UST Listing
HIST UST..... Hazardous Substance Storage Container Database
CERS TANKS..... California Environmental Reporting System (CERS) Tanks
CA FID UST..... Facility Inventory Database

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR..... Financial Assurance Information
EPA WATCH LIST..... EPA WATCH LIST
2020 COR ACTION..... 2020 Corrective Action Program List
TSCA..... Toxic Substances Control Act
TRIS..... Toxic Chemical Release Inventory System
SSTS..... Section 7 Tracking Systems
ROD..... Records Of Decision
RMP..... Risk Management Plans
RAATS..... RCRA Administrative Action Tracking System
PRP..... Potentially Responsible Parties
PADS..... PCB Activity Database System
ICIS..... Integrated Compliance Information System
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS..... Material Licensing Tracking System
COAL ASH DOE..... Steam-Electric Plant Operation Data

EXECUTIVE SUMMARY

| | |
|------------------------------|--|
| COAL ASH EPA..... | Coal Combustion Residues Surface Impoundments List |
| PCB TRANSFORMER..... | PCB Transformer Registration Database |
| RADINFO..... | Radiation Information Database |
| HIST FTTS..... | FIFRA/TSCA Tracking System Administrative Case Listing |
| DOT OPS..... | Incident and Accident Data |
| CONSENT..... | Superfund (CERCLA) Consent Decrees |
| INDIAN RESERV..... | Indian Reservations |
| FUSRAP..... | Formerly Utilized Sites Remedial Action Program |
| UMTRA..... | Uranium Mill Tailings Sites |
| LEAD SMELTERS..... | Lead Smelter Sites |
| US AIRS..... | Aerometric Information Retrieval System Facility Subsystem |
| US MINES..... | Mines Master Index File |
| ABANDONED MINES..... | Abandoned Mines |
| MINES MRDS..... | Mineral Resources Data System |
| FINDS..... | Facility Index System/Facility Registry System |
| UXO..... | Unexploded Ordnance Sites |
| DOCKET HWC..... | Hazardous Waste Compliance Docket Listing |
| ECHO..... | Enforcement & Compliance History Information |
| FUELS PROGRAM..... | EPA Fuels Program Registered Listing |
| PFAS NPL..... | Superfund Sites with PFAS Detections Information |
| PFAS FEDERAL SITES..... | Federal Sites PFAS Information |
| PFAS TRIS..... | List of PFAS Added to the TRI |
| PFAS TSCA..... | PFAS Manufacture and Imports Information |
| PFAS RCRA MANIFEST..... | PFAS Transfers Identified In the RCRA Database Listing |
| PFAS ATSDR..... | PFAS Contamination Site Location Listing |
| PFAS WQP..... | Ambient Environmental Sampling for PFAS |
| PFAS NPDES..... | Clean Water Act Discharge Monitoring Information |
| PFAS ECHO..... | Facilities in Industries that May Be Handling PFAS Listing |
| PFAS ECHO FIRE TRAINING..... | Facilities in Industries that May Be Handling PFAS Listing |
| PFAS PART 139 AIRPORT..... | All Certified Part 139 Airports PFAS Information Listing |
| AQUEOUS FOAM NRC..... | Aqueous Foam Related Incidents Listing |
| BIOSOLIDS..... | ICIS-NPDES Biosolids Facility Data |
| PFAS..... | PFAS Contamination Site Location Listing |
| AQUEOUS FOAM..... | Former Fire Training Facility Assessments Listing |
| CA BOND EXP. PLAN..... | Bond Expenditure Plan |
| CHROME PLATING..... | Chrome Plating Facilities Listing |
| Cortese..... | "Cortese" Hazardous Waste & Substances Sites List |
| CUPA Listings..... | CUPA Resources List |
| DRYCLEANERS..... | Cleaner Facilities |
| EML..... | Emissions Inventory Data |
| ENF..... | Enforcement Action Listing |
| Financial Assurance..... | Financial Assurance Information Listing |
| ICE..... | Inspection, Compliance and Enforcement |
| HIST CORTESE..... | Hazardous Waste & Substance Site List |
| HWP..... | EnviroStor Permitted Facilities Listing |
| HWT..... | Registered Hazardous Waste Transporter Database |
| HWTS..... | Hazardous Waste Tracking System |
| HAZNET..... | Facility and Manifest Data |
| MINES..... | Mines Site Location Listing |
| MWMP..... | Medical Waste Management Program Listing |
| NPDES..... | NPDES Permits Listing |
| PEST LIC..... | Pesticide Regulation Licenses Listing |
| PROC..... | Certified Processors Database |
| Notify 65..... | Proposition 65 Records |
| HAZMAT..... | Hazardous Material Facilities |

EXECUTIVE SUMMARY

| | |
|--------------------------|--|
| UIC..... | UIC Listing |
| UIC GEO..... | UIC GEO (GEOTRACKER) |
| WASTEWATER PITS..... | Oil Wastewater Pits Listing |
| WDS..... | Waste Discharge System |
| WIP..... | Well Investigation Program Case List |
| MILITARY PRIV SITES..... | MILITARY PRIV SITES (GEOTRACKER) |
| PROJECT..... | PROJECT (GEOTRACKER) |
| WDR..... | Waste Discharge Requirements Listing |
| CIWQS..... | California Integrated Water Quality System |
| CERS..... | CERS |
| NON-CASE INFO..... | NON-CASE INFO (GEOTRACKER) |
| OTHER OIL GAS..... | OTHER OIL & GAS (GEOTRACKER) |
| PROD WATER PONDS..... | PROD WATER PONDS (GEOTRACKER) |
| SAMPLING POINT..... | SAMPLING POINT (GEOTRACKER) |
| WELL STIM PROJ..... | Well Stimulation Project (GEOTRACKER) |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

| | |
|-----------------------|---|
| EDR MGP..... | EDR Proprietary Manufactured Gas Plants |
| EDR Hist Auto..... | EDR Exclusive Historical Auto Stations |
| EDR Hist Cleaner..... | EDR Exclusive Historical Cleaners |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | |
|---------------|---|
| RGA LF..... | Recovered Government Archive Solid Waste Facilities List |
| RGA LUST..... | Recovered Government Archive Leaking Underground Storage Tank |

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state and tribal leaking storage tanks

CPS-SLIC: Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data

EXECUTIVE SUMMARY

management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

A review of the CPS-SLIC list, as provided by EDR, has revealed that there is 1 CPS-SLIC site within approximately 0.5 miles of the target property.

| <u>Lower Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---------------------------|-----------------------------|-------------------------------|---------------|-------------|
| NEW COLUMBIA RANCH | 10302 AVENUE 7-1\2 (| SW 0 - 1/8 (0.007 mi.) | 1 | 9 |

Database: CPS-SLIC, Date of Government Version: 09/05/2023
Global Id: SLT5FQ704642
Facility Status: Completed - Case Closed

EXECUTIVE SUMMARY

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

| <u>Site Name</u> | <u>Database(s)</u> |
|------------------|--------------------|
| | CDL |

OVERVIEW MAP - 7518907.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Areas of Concern

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

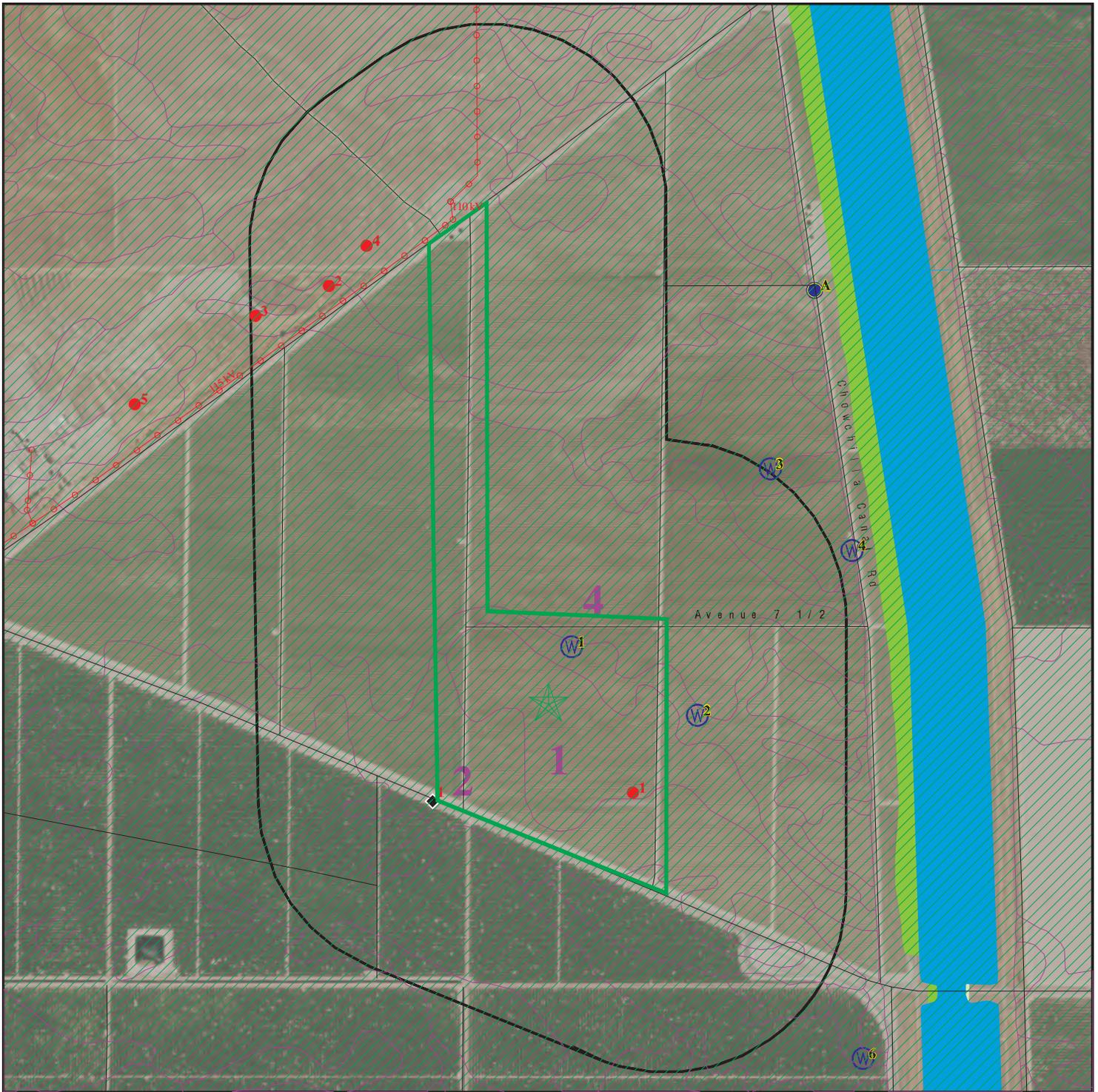


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera CA 93637
 LAT/LONG: 36.856893 / 120.325588

CLIENT: DUDEK
 CONTACT: Susan Smith
 INQUIRY #: 7518907.2s
 DATE: December 12, 2023 3:57 pm

DETAIL MAP - 7518907.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

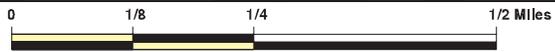
Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera CA 93637
 LAT/LONG: 36.856893 / 120.325588

CLIENT: DUDEK
 CONTACT: Susan Smith
 INQUIRY #: 7518907.2S
 DATE: December 12, 2023 3:59 pm

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| STANDARD ENVIRONMENTAL RECORDS | | | | | | | | |
| <i>Lists of Federal NPL (Superfund) sites</i> | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal Delisted NPL sites</i> | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal sites subject to CERCLA removals and CERCLA orders</i> | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of Federal CERCLA sites with NFRAP</i> | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of Federal RCRA facilities undergoing Corrective Action</i> | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of Federal RCRA TSD facilities</i> | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of Federal RCRA generators</i> | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| <i>Lists of state- and tribal (Superfund) equivalent sites</i> | | | | | | | | |
| RESPONSE | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of state- and tribal hazardous waste facilities</i> | | | | | | | | |
| ENVIROSTOR | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Lists of state and tribal landfills and solid waste disposal facilities</i> | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| <i>Lists of state and tribal leaking storage tanks</i> | | | | | | | | |
| LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CPS-SLIC | 0.500 | | 1 | 0 | 0 | NR | NR | 1 |
| <i>Lists of state and tribal registered storage tanks</i> | | | | | | | | |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Lists of state and tribal voluntary cleanup sites</i> | | | | | | | | |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Lists of state and tribal brownfield sites</i> | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <u>ADDITIONAL ENVIRONMENTAL RECORDS</u> | | | | | | | | |
| <i>Local Brownfield lists</i> | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Landfill / Solid Waste Disposal Sites</i> | | | | | | | | |
| WMUDS/SWAT | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HAULERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IHS OPEN DUMPS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Local Lists of Hazardous waste / Contaminated Sites</i> | | | | | | | | |
| US HIST CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST Cal-Sites | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCH | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CERS HAZ WASTE | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| Toxic Pits | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| US CDL | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| <i>Local Lists of Registered Storage Tanks</i> | | | | | | | | |
| SWEEPS UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| HIST UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CERS TANKS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA FID UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Local Land Records</i> | | | | | | | | |
| LIENS | 0.001 | | 0 | NR | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| LIENS 2 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DEED | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Records of Emergency Release Reports | | | | | | | | |
| HMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CHMIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| LDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MCS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SPILLS 90 | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| Other Ascertainable Records | | | | | | | | |
| RCRA NonGen / NLR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US FIN ASSUR | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| EPA WATCH LIST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TSCA | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| TRIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SSTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| RMP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RAATS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PRP | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PADS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ICIS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MLTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH DOE | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RADINFO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST FTTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| DOT OPS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUSRAP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LEAD SMELTERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US AIRS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| US MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ABANDONED MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MINES MRDS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FINDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| UXO | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| DOCKET HWC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ECHO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| FUELS PROGRAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS NPL | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS FEDERAL SITES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|-----------------------------|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| PFAS TRIS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS TSCA | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS RCRA MANIFEST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS ATSDR | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS WQP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS NPDES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS ECHO | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS ECHO FIRE TRAINING | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PFAS PART 139 AIRPORT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AQUEOUS FOAM NRC | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| BIOSOLIDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PFAS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| AQUEOUS FOAM | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| CA BOND EXP. PLAN | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| CHROME PLATING | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Cortese | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CUPA Listings | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| EMI | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ENF | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| Financial Assurance | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ICE | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST CORTESE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| HWP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| HWT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| HWTS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HAZNET | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MWMP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NPDES | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PEST LIC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PROC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Notify 65 | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| HAZMAT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| UIC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| UIC GEO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WASTEWATER PITS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| WDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WIP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MILITARY PRIV SITES PROJECT | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WDR | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CIWQS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NON-CASE INFO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| OTHER OIL GAS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PROD WATER PONDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SAMPLING POINT | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WELL STIM PROJ | 0.001 | | 0 | NR | NR | NR | NR | 0 |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

| | | | | | | | | |
|---------|-------|--|---|---|---|---|----|---|
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
|---------|-------|--|---|---|---|---|----|---|

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| <u>EDR RECOVERED GOVERNMENT ARCHIVES</u> | | | | | | | | |
| <i>Exclusive Recovered Govt. Archives</i> | | | | | | | | |
| RGA LF | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RGA LUST | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| - Totals -- | | 0 | 1 | 0 | 0 | 0 | 0 | 1 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

1
SW
< 1/8
0.007 mi.
38 ft.

NEW COLUMBIA RANCH
10302 AVENUE 7-1\2 (SITE 4)
FIREBAUGH, CA 93622

CPS-SLIC S106486035
CERS N/A

Relative:
Lower
Actual:
161 ft.

CPS-SLIC:
Name: NEW COLUMBIA RANCH
Address: 10302 AVENUE 7-1\2 (SITE 4)
City,State,Zip: FIREBAUGH, CA 93622
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 06/10/1992
Global Id: SLT5FQ704642
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
Lead Agency Case Number: Not reported
Latitude: 36.8534407857143
Longitude: -120.452456162088
Case Type: Cleanup Program Site
Case Worker: Not reported
Local Agency: Not reported
RB Case Number: SLT5FQ070
File Location: Not reported
Potential Media Affected: Not reported
Potential Contaminants of Concern: Not reported
EPA Region: 9
Coordinate Source: Not reported
Cuf Case: NO
Quantity Released Gallons: Not reported
Begin Date: 06/10/1992
Leak Reported Date: 01/02/1965
How Discovered: Not reported
How Discovered Description: Not reported
Discharge Source: Not reported
Discharge Cause: Not reported
Stop Method: Not reported
Stop Description: Not reported
No Further Action Date: 06/10/1992
CA Water Watershed Name: Delta-Mendota Canal - Los Banos (541.20)
Dwr Groundwater Subbasin Name: San Joaquin Valley - Delta-Mendota (5-022.07)
Disadvantaged Community: Not reported
CA Enviroscreen 3 Score: 81-85%
CA Enviroscreen 4 Score: 90-95%
Military DOD Site: No
Facility Project Subtype: Not reported
RWQCB Region: CENTRAL VALLEY RWQCB (REGION 5F)
Site History: Not reported

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

CERS:
Name: NEW COLUMBIA RANCH
Address: 10302 AVENUE 7-1\2 (SITE 4)
City,State,Zip: FIREBAUGH, CA 93622
Site ID: 671837
CERS ID: SLT5FQ704642
CERS Description: Cleanup Program Site

Count: 6 records.

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|-----------|------------|-----------|--------------------------------|-------|-------------|
| FIREBAUGH | S109254247 | | ROAD 9, 1 MILE N OF AVENUE 7 1 | 93622 | CDL |
| MADERA | S107537744 | | AVENUE 7 1/2 (.10 MI W OF ROAD | 93637 | CDL |
| MADERA | S109254054 | | 3/4 MILE NORTH OF AVENUE 7, ON | 93637 | CDL |
| MADERA | S108723936 | | ROAD 32, APPROX 200 YDS N OF A | 93637 | CDL |
| MADERA | S108723934 | | ROAD 32, 1/4 MILE S OF AVENUE | 93637 | CDL |
| MADERA | S108723933 | | ROAD 31&1/2, APPROX 1/4 MI NOR | 93637 | CDL |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

| | |
|---|--|
| Date of Government Version: 09/19/2023 | Source: EPA |
| Date Data Arrived at EDR: 10/03/2023 | Telephone: N/A |
| Date Made Active in Reports: 10/19/2023 | Last EDR Contact: 12/04/2023 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 01/08/2024 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

| | |
|---|--|
| Date of Government Version: 09/19/2023 | Source: EPA |
| Date Data Arrived at EDR: 10/03/2023 | Telephone: N/A |
| Date Made Active in Reports: 10/19/2023 | Last EDR Contact: 12/04/2023 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 01/08/2024 |
| | Data Release Frequency: Quarterly |

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: N/A
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 06/23/2023
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 09/20/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/26/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known 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: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/19/2023 | Source: EPA |
| Date Data Arrived at EDR: 10/03/2023 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 10/19/2023 | Last EDR Contact: 12/04/2023 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 01/22/2024 |
| | Data Release Frequency: Quarterly |

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

| | |
|---|--|
| Date of Government Version: 07/24/2023 | Source: EPA |
| Date Data Arrived at EDR: 07/31/2023 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 08/14/2023 | Last EDR Contact: 12/06/2023 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

Lists of Federal RCRA TSD facilities

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: 07/24/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/31/2023 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 08/14/2023 | Last EDR Contact: 12/06/2023 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

Lists of Federal RCRA generators

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: 07/24/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/31/2023 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 08/14/2023 | Last EDR Contact: 12/06/2023 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/24/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/31/2023 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 08/14/2023 | Last EDR Contact: 12/06/2023 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

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

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

| | |
|---|---|
| Date of Government Version: 07/24/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/31/2023 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 08/14/2023 | Last EDR Contact: 12/06/2023 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

| | |
|---|--|
| Date of Government Version: 08/03/2023 | Source: Department of the Navy |
| Date Data Arrived at EDR: 08/07/2023 | Telephone: 843-820-7326 |
| Date Made Active in Reports: 10/10/2023 | Last EDR Contact: 11/02/2023 |
| Number of Days to Update: 64 | Next Scheduled EDR Contact: 02/19/2024 |
| | 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: 08/21/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 08/21/2023 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 11/07/2023 | Last EDR Contact: 11/17/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 03/04/2024 |
| | Data Release Frequency: Varies |

US INST CONTROLS: Institutional Controls Sites List

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

| | |
|---|---|
| Date of Government Version: 08/21/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 08/21/2023 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 11/07/2023 | Last EDR Contact: 11/17/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 03/04/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/18/2023

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 09/20/2023

Telephone: 202-267-2180

Date Made Active in Reports: 12/11/2023

Last EDR Contact: 09/20/2023

Number of Days to Update: 82

Next Scheduled EDR Contact: 01/01/2024

Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

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: 07/24/2023

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 07/25/2023

Telephone: 916-323-3400

Date Made Active in Reports: 10/11/2023

Last EDR Contact: 10/24/2023

Number of Days to Update: 78

Next Scheduled EDR Contact: 02/05/2024

Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/24/2023

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 07/25/2023

Telephone: 916-323-3400

Date Made Active in Reports: 10/11/2023

Last EDR Contact: 10/24/2023

Number of Days to Update: 78

Next Scheduled EDR Contact: 02/05/2024

Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 08/07/2023

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 08/08/2023

Telephone: 916-341-6320

Date Made Active in Reports: 10/26/2023

Last EDR Contact: 11/07/2023

Number of Days to Update: 79

Next Scheduled EDR Contact: 02/19/2024

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 9: Leaking Underground Storage Tank Report

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

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

LUST: 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: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: see region list |
| Date Made Active in Reports: 11/22/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Quarterly |

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

| | |
|---|---|
| Date of Government Version: 09/09/2003 | Source: California Regional Water Quality Control Board Lahontan Region (6) |
| Date Data Arrived at EDR: 09/10/2003 | Telephone: 530-542-5572 |
| Date Made Active in Reports: 10/07/2003 | Last EDR Contact: 09/12/2011 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 12/26/2011 |
| | Data Release Frequency: No Update Planned |

LUST REG 8: Leaking Underground Storage Tanks

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

| | |
|---|--|
| Date of Government Version: 02/14/2005 | Source: California Regional Water Quality Control Board Santa Ana Region (8) |
| Date Data Arrived at EDR: 02/15/2005 | Telephone: 909-782-4496 |
| Date Made Active in Reports: 03/28/2005 | Last EDR Contact: 08/15/2011 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 11/28/2011 |
| | Data Release Frequency: 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 | Source: California Regional Water Quality Control Board Colorado River Basin Region (7) |
| Date Data Arrived at EDR: 02/26/2004 | Telephone: 760-776-8943 |
| Date Made Active in Reports: 03/24/2004 | Last EDR Contact: 08/01/2011 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 11/14/2011 |
| | Data Release Frequency: No Update Planned |

LUST REG 5: Leaking Underground Storage Tank Database

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 4: Underground Storage Tank Leak List

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

| | |
|---|--|
| Date of Government Version: 09/07/2004 | Source: California Regional Water Quality Control Board Los Angeles Region (4) |
| Date Data Arrived at EDR: 09/07/2004 | Telephone: 213-576-6710 |
| Date Made Active in Reports: 10/12/2004 | Last EDR Contact: 09/06/2011 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 12/19/2011 |
| | Data Release Frequency: No Update Planned |

LUST REG 3: Leaking Underground Storage Tank Database

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

| | |
|---|--|
| Date of Government Version: 05/19/2003 | Source: California Regional Water Quality Control Board Central Coast Region (3) |
| Date Data Arrived at EDR: 05/19/2003 | Telephone: 805-542-4786 |
| Date Made Active in Reports: 06/02/2003 | Last EDR Contact: 07/18/2011 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 10/31/2011 |
| | Data Release Frequency: No Update Planned |

LUST REG 2: Fuel Leak List

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

| | |
|---|--|
| Date of Government Version: 09/30/2004 | Source: California Regional Water Quality Control Board San Francisco Bay Region (2) |
| Date Data Arrived at EDR: 10/20/2004 | Telephone: 510-622-2433 |
| Date Made Active in Reports: 11/19/2004 | Last EDR Contact: 09/19/2011 |
| Number of Days to Update: 30 | Next Scheduled EDR Contact: 01/02/2012 |
| | Data Release Frequency: No Update Planned |

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

| | |
|---|---|
| Date of Government Version: 02/01/2001 | Source: California Regional Water Quality Control Board North Coast (1) |
| Date Data Arrived at EDR: 02/28/2001 | Telephone: 707-570-3769 |
| Date Made Active in Reports: 03/29/2001 | Last EDR Contact: 08/01/2011 |
| Number of Days to Update: 29 | Next Scheduled EDR Contact: 11/14/2011 |
| | Data Release Frequency: No Update Planned |

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

| | |
|---|---|
| Date of Government Version: 06/07/2005 | Source: California Regional Water Quality Control Board Victorville Branch Office (6) |
| Date Data Arrived at EDR: 06/07/2005 | Telephone: 760-241-7365 |
| Date Made Active in Reports: 06/29/2005 | Last EDR Contact: 09/12/2011 |
| Number of Days to Update: 22 | Next Scheduled EDR Contact: 12/26/2011 |
| | Data Release Frequency: No Update Planned |

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

| | |
|---|--|
| Date of Government Version: 04/19/2023 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| | |
|---|--|
| Date of Government Version: 04/20/2023 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | 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: 04/19/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 415-972-3372 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

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

| | |
|---|--|
| Date of Government Version: 04/20/2023 | Source: EPA Region 1 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | 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: 04/25/2023 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

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

| | |
|---|--|
| Date of Government Version: 04/26/2023 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

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

| | |
|---|--|
| Date of Government Version: 04/14/2023 | Source: EPA, Region 5 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 312-886-7439 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

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

| | |
|---|--|
| Date of Government Version: 04/20/2023 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/28/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

| | |
|---|---|
| Date of Government Version: 09/30/2004 | Source: Regional Water Quality Control Board San Francisco Bay Region (2) |
| Date Data Arrived at EDR: 10/20/2004 | Telephone: 510-286-0457 |
| Date Made Active in Reports: 11/19/2004 | Last EDR Contact: 09/19/2011 |
| Number of Days to Update: 30 | Next Scheduled EDR Contact: 01/02/2012 |
| | Data Release Frequency: No Update Planned |

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

| | |
|---|--|
| Date of Government Version: 05/18/2006 | Source: California Regional Water Quality Control Board Central Coast Region (3) |
| Date Data Arrived at EDR: 05/18/2006 | Telephone: 805-549-3147 |
| Date Made Active in Reports: 06/15/2006 | Last EDR Contact: 07/18/2011 |
| Number of Days to Update: 28 | Next Scheduled EDR Contact: 10/31/2011 |
| | Data Release Frequency: No Update Planned |

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

| | |
|---|---|
| Date of Government Version: 11/17/2004 | Source: Region Water Quality Control Board Los Angeles Region (4) |
| Date Data Arrived at EDR: 11/18/2004 | Telephone: 213-576-6600 |
| Date Made Active in Reports: 01/04/2005 | Last EDR Contact: 07/01/2011 |
| Number of Days to Update: 47 | Next Scheduled EDR Contact: 10/17/2011 |
| | Data Release Frequency: No Update Planned |

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

| | |
|---|--|
| Date of Government Version: 04/01/2005 | Source: Regional Water Quality Control Board Central Valley Region (5) |
| Date Data Arrived at EDR: 04/05/2005 | Telephone: 916-464-3291 |
| Date Made Active in Reports: 04/21/2005 | Last EDR Contact: 09/12/2011 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 12/26/2011 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites

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

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

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

SLIC REG 7: SLIC List

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

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

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

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

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

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

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

| | |
|---|--|
| Date of Government Version: 09/05/2023 | Source: SWRCB |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 916-341-5851 |
| Date Made Active in Reports: 11/28/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Semi-Annually |

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

| | |
|---|---|
| Date of Government Version: 08/10/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 916-327-7844 |
| Date Made Active in Reports: 11/28/2023 | Last EDR Contact: 11/30/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

| | |
|---|--|
| Date of Government Version: 07/06/2016 | Source: California Environmental Protection Agency |
| Date Data Arrived at EDR: 07/12/2016 | Telephone: 916-327-5092 |
| Date Made Active in Reports: 09/19/2016 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 69 | Next Scheduled EDR Contact: 03/25/2024 |
| | 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: 04/20/2023 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/25/2023 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/20/2023 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 303-312-6137 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | 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: 04/19/2023 | Source: EPA Region 9 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 415-972-3368 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | 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: 04/20/2023 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 404-562-9424 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/20/2023 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/26/2023 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 214-665-7591 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/14/2023 | Source: EPA Region 5 |
| Date Data Arrived at EDR: 05/09/2023 | Telephone: 312-886-6136 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Lists of state and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

| | |
|---|--|
| Date of Government Version: 03/20/2008 | Source: EPA, Region 7 |
| Date Data Arrived at EDR: 04/22/2008 | Telephone: 913-551-7365 |
| Date Made Active in Reports: 05/19/2008 | Last EDR Contact: 07/08/2021 |
| Number of Days to Update: 27 | 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 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 09/29/2015 | Telephone: 617-918-1102 |
| Date Made Active in Reports: 02/18/2016 | Last EDR Contact: 09/12/2023 |
| Number of Days to Update: 142 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Varies |

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

| | |
|---|--|
| Date of Government Version: 07/24/2023 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 07/25/2023 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 10/11/2023 | Last EDR Contact: 10/24/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: Quarterly |

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfields Sites Listing

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

| | |
|---|---|
| Date of Government Version: 09/19/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/20/2023 | Telephone: 916-323-7905 |
| Date Made Active in Reports: 12/08/2023 | Last EDR Contact: 09/20/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

| | |
|---|---|
| Date of Government Version: 08/15/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 08/30/2023 | Telephone: 202-566-2777 |
| Date Made Active in Reports: 12/01/2023 | Last EDR Contact: 08/30/2023 |
| Number of Days to Update: 93 | Next Scheduled EDR Contact: 12/25/2023 |
| | Data Release Frequency: Semi-Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

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

| | |
|---|---|
| Date of Government Version: 04/01/2000 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 04/10/2000 | Telephone: 916-227-4448 |
| Date Made Active in Reports: 05/10/2000 | Last EDR Contact: 10/20/2023 |
| Number of Days to Update: 30 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: No Update Planned |

SWRCY: Recycler Database

A listing of recycling facilities in California.

| | |
|---|--|
| Date of Government Version: 09/05/2023 | Source: Department of Conservation |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 916-323-3836 |
| Date Made Active in Reports: 11/28/2023 | Last EDR Contact: 11/29/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Quarterly |

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

| | |
|---|---|
| Date of Government Version: 11/16/2022 | Source: Integrated Waste Management Board |
| Date Data Arrived at EDR: 11/22/2022 | Telephone: 916-341-6422 |
| Date Made Active in Reports: 02/13/2023 | Last EDR Contact: 11/28/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 02/19/2024 |
| | Data Release Frequency: Varies |

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

| | |
|---|---|
| Date of Government Version: 12/31/1998 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/03/2007 | Telephone: 703-308-8245 |
| Date Made Active in Reports: 01/24/2008 | Last EDR Contact: 10/23/2023 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 02/05/2024 |
| | 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 | Source: EPA, Region 9 |
| Date Data Arrived at EDR: 05/07/2009 | Telephone: 415-947-4219 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 10/10/2023 |
| Number of Days to Update: 137 | Next Scheduled EDR Contact: 01/29/2024 |
| | 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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 08/09/2004 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 09/17/2004 | Last EDR Contact: 06/09/2004 |
| Number of Days to Update: 39 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 | Source: Department of Health & Human Services, Indian Health Service |
| Date Data Arrived at EDR: 08/06/2014 | Telephone: 301-443-1452 |
| Date Made Active in Reports: 01/29/2015 | Last EDR Contact: 10/28/2023 |
| Number of Days to Update: 176 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: Varies |

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

| | |
|---|---|
| Date of Government Version: 08/21/2023 | Source: Drug Enforcement Administration |
| Date Data Arrived at EDR: 08/21/2023 | Telephone: 202-307-1000 |
| Date Made Active in Reports: 11/07/2023 | Last EDR Contact: 11/17/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 03/04/2024 |
| | Data Release Frequency: No Update Planned |

HIST CAL-SITES: Calsites Database

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

| | |
|---|---|
| Date of Government Version: 08/08/2005 | Source: Department of Toxic Substance Control |
| Date Data Arrived at EDR: 08/03/2006 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 08/24/2006 | Last EDR Contact: 02/23/2009 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 05/25/2009 |
| | Data Release Frequency: No Update Planned |

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

| | |
|---|--|
| Date of Government Version: 07/24/2023 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 07/25/2023 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 10/11/2023 | Last EDR Contact: 10/24/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: Quarterly |

CDL: Clandestine Drug Labs

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

| | |
|---|--|
| Date of Government Version: 12/31/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 11/30/2022 | Telephone: 916-255-6504 |
| Date Made Active in Reports: 02/09/2023 | Last EDR Contact: 10/25/2023 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 02/12/2024 |
| | Data Release Frequency: Varies |

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

| | |
|---|---|
| Date of Government Version: 07/01/1995 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 08/30/1995 | Telephone: 916-227-4364 |
| Date Made Active in Reports: 09/26/1995 | Last EDR Contact: 01/26/2009 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 04/27/2009 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERS HAZ WASTE: California Environmental Reporting System Hazardous Waste

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

| | |
|---|--|
| Date of Government Version: 07/17/2023 | Source: CalEPA |
| Date Data Arrived at EDR: 07/18/2023 | Telephone: 916-323-2514 |
| Date Made Active in Reports: 10/06/2023 | Last EDR Contact: 10/17/2023 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Quarterly |

US CDL: Clandestine Drug Labs

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

| | |
|---|---|
| Date of Government Version: 08/21/2023 | Source: Drug Enforcement Administration |
| Date Data Arrived at EDR: 08/21/2023 | Telephone: 202-307-1000 |
| Date Made Active in Reports: 11/07/2023 | Last EDR Contact: 11/17/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 03/04/2024 |
| | Data Release Frequency: Quarterly |

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

| | |
|---|---|
| Date of Government Version: 06/01/1994 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 07/07/2005 | Telephone: N/A |
| Date Made Active in Reports: 08/11/2005 | Last EDR Contact: 06/03/2005 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

HIST UST: Hazardous Substance Storage Container Database

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

| | |
|---|---|
| Date of Government Version: 10/15/1990 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 01/25/1991 | Telephone: 916-341-5851 |
| Date Made Active in Reports: 02/12/1991 | Last EDR Contact: 07/26/2001 |
| Number of Days to Update: 18 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

| | |
|---|--|
| Date of Government Version: 08/04/2023 | Source: San Francisco County Department of Public Health |
| Date Data Arrived at EDR: 08/08/2023 | Telephone: 415-252-3896 |
| Date Made Active in Reports: 10/25/2023 | Last EDR Contact: 10/25/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 02/12/2024 |
| | Data Release Frequency: Varies |

CA FID UST: Facility Inventory Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/06/2023
Number of Days to Update: 80

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 08/22/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

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

| | |
|---|---|
| Date of Government Version: 09/18/2023 | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 09/20/2023 | Telephone: 202-366-4555 |
| Date Made Active in Reports: 11/14/2023 | Last EDR Contact: 09/20/2023 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

CHMIRS: California Hazardous Material Incident Report System

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

| | |
|---|--|
| Date of Government Version: 06/01/2023 | Source: Office of Emergency Services |
| Date Data Arrived at EDR: 07/18/2023 | Telephone: 916-845-8400 |
| Date Made Active in Reports: 10/05/2023 | Last EDR Contact: 10/20/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Semi-Annually |

LDS: Land Disposal Sites Listing (GEOTRACKER)

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

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Quality Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/22/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 03/18/2024 |
| | 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: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/22/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Quarterly |

SPILLS 90: SPILLS90 data from FirstSearch

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

| | |
|---|---|
| Date of Government Version: 06/06/2012 | Source: FirstSearch |
| Date Data Arrived at EDR: 01/03/2013 | Telephone: N/A |
| Date Made Active in Reports: 02/22/2013 | Last EDR Contact: 01/03/2013 |
| Number of Days to Update: 50 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 56

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/09/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 06/19/2023
Date Data Arrived at EDR: 06/20/2023
Date Made Active in Reports: 08/14/2023
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

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

| | |
|---|---|
| Date of Government Version: 08/30/2013 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/21/2014 | Telephone: 617-520-3000 |
| Date Made Active in Reports: 06/17/2014 | Last EDR Contact: 10/31/2023 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 02/12/2024 |
| | Data Release Frequency: Quarterly |

2020 COR ACTION: 2020 Corrective Action Program List

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

| | |
|---|---|
| Date of Government Version: 09/30/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/08/2018 | Telephone: 703-308-4044 |
| Date Made Active in Reports: 07/20/2018 | Last EDR Contact: 11/03/2023 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 02/12/2024 |
| | Data Release Frequency: Varies |

TSCA: Toxic Substances Control Act

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

| | |
|---|--|
| Date of Government Version: 12/31/2020 | Source: EPA |
| Date Data Arrived at EDR: 06/14/2022 | Telephone: 202-260-5521 |
| Date Made Active in Reports: 03/24/2023 | Last EDR Contact: 09/15/2023 |
| Number of Days to Update: 283 | Next Scheduled EDR Contact: 12/25/2023 |
| | Data Release Frequency: Every 4 Years |

TRIS: Toxic Chemical Release Inventory System

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

| | |
|---|--|
| Date of Government Version: 12/31/2021 | Source: EPA |
| Date Data Arrived at EDR: 08/18/2023 | Telephone: 202-566-0250 |
| Date Made Active in Reports: 11/07/2023 | Last EDR Contact: 11/13/2023 |
| Number of Days to Update: 81 | Next Scheduled EDR Contact: 02/26/2024 |
| | Data Release Frequency: Annually |

SSTS: Section 7 Tracking Systems

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

| | |
|---|--|
| Date of Government Version: 07/17/2023 | Source: EPA |
| Date Data Arrived at EDR: 07/18/2023 | Telephone: 202-564-4203 |
| Date Made Active in Reports: 10/10/2023 | Last EDR Contact: 10/20/2023 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/19/2023 | Source: EPA |
| Date Data Arrived at EDR: 10/03/2023 | Telephone: 703-416-0223 |
| Date Made Active in Reports: 10/19/2023 | Last EDR Contact: 12/04/2023 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 03/11/2024 |
| | Data Release Frequency: Annually |

RMP: Risk Management Plans

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

| | |
|---|---|
| Date of Government Version: 05/09/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 06/29/2023 | Telephone: 202-564-8600 |
| Date Made Active in Reports: 09/25/2023 | Last EDR Contact: 09/26/2023 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

RAATS: RCRA Administrative Action Tracking System

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

| | |
|---|---|
| Date of Government Version: 04/17/1995 | Source: EPA |
| Date Data Arrived at EDR: 07/03/1995 | Telephone: 202-564-4104 |
| Date Made Active in Reports: 08/07/1995 | Last EDR Contact: 06/02/2008 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 09/01/2008 |
| | Data Release Frequency: No Update Planned |

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

| | |
|---|--|
| Date of Government Version: 09/19/2023 | Source: EPA |
| Date Data Arrived at EDR: 10/03/2023 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 10/19/2023 | Last EDR Contact: 12/04/2023 |
| Number of Days to Update: 16 | Next Scheduled EDR Contact: 02/12/2024 |
| | 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: 03/20/2023 | Source: EPA |
| Date Data Arrived at EDR: 04/04/2023 | Telephone: 202-566-0500 |
| Date Made Active in Reports: 06/09/2023 | Last EDR Contact: 10/06/2023 |
| Number of Days to Update: 66 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/23/2016 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 09/27/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Quarterly |

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

| | |
|---|---|
| Date of Government Version: 04/09/2009 | Source: EPA/Office of Prevention, Pesticides and Toxic Substances |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 08/18/2017 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 12/04/2017 |
| | Data Release Frequency: No Update Planned |

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

| | |
|---|---|
| Date of Government Version: 04/09/2009 | Source: EPA |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 08/18/2017 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 12/04/2017 |
| | Data Release Frequency: No Update Planned |

MLTS: Material Licensing Tracking System

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

| | |
|---|--|
| Date of Government Version: 07/20/2023 | Source: Nuclear Regulatory Commission |
| Date Data Arrived at EDR: 09/01/2023 | Telephone: 301-415-0717 |
| Date Made Active in Reports: 09/20/2023 | Last EDR Contact: 10/10/2023 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Quarterly |

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

| | |
|---|--|
| Date of Government Version: 12/31/2021 | Source: Department of Energy |
| Date Data Arrived at EDR: 04/14/2023 | Telephone: 202-586-8719 |
| Date Made Active in Reports: 07/10/2023 | Last EDR Contact: 11/27/2023 |
| Number of Days to Update: 87 | Next Scheduled EDR Contact: 03/11/2024 |
| | Data Release Frequency: Varies |

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

| | |
|---|---|
| Date of Government Version: 01/12/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/05/2019 | Telephone: N/A |
| Date Made Active in Reports: 11/11/2019 | Last EDR Contact: 11/27/2023 |
| Number of Days to Update: 251 | Next Scheduled EDR Contact: 03/11/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCB TRANSFORMER: PCB Transformer Registration Database

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

| | |
|---|---|
| Date of Government Version: 09/13/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/06/2019 | Telephone: 202-566-0517 |
| Date Made Active in Reports: 02/10/2020 | Last EDR Contact: 11/03/2023 |
| Number of Days to Update: 96 | Next Scheduled EDR Contact: 02/12/2024 |
| | Data Release Frequency: Varies |

RADINFO: Radiation Information Database

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

| | |
|---|---|
| Date of Government Version: 07/01/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/01/2019 | Telephone: 202-343-9775 |
| Date Made Active in Reports: 09/23/2019 | Last EDR Contact: 09/22/2023 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 01/08/2024 |
| | 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 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/01/2007 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 04/10/2007 | Last EDR Contact: 12/17/2007 |
| Number of Days to Update: 40 | Next Scheduled EDR Contact: 03/17/2008 |
| | Data Release Frequency: No Update Planned |

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

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

| | |
|---|---|
| Date of Government Version: 10/19/2006 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/01/2007 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 04/10/2007 | Last EDR Contact: 12/17/2008 |
| Number of Days to Update: 40 | Next Scheduled EDR Contact: 03/17/2008 |
| | Data Release Frequency: No Update Planned |

DOT OPS: Incident and Accident Data

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

| | |
|---|---|
| Date of Government Version: 01/02/2020 | Source: Department of Transportation, Office of Pipeline Safety |
| Date Data Arrived at EDR: 01/28/2020 | Telephone: 202-366-4595 |
| Date Made Active in Reports: 04/17/2020 | Last EDR Contact: 10/04/2023 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: Quarterly |

CONSENT: Superfund (CERCLA) Consent Decrees

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/2023
Date Data Arrived at EDR: 07/19/2023
Date Made Active in Reports: 10/10/2023
Number of Days to Update: 83

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
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: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/06/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/02/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 03/03/2023
Date Data Arrived at EDR: 03/03/2023
Date Made Active in Reports: 06/09/2023
Number of Days to Update: 98

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/19/2023
Date Data Arrived at EDR: 10/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 16

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 12/04/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

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

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

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

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

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

Date of Government Version: 08/01/2023
Date Data Arrived at EDR: 08/22/2023
Date Made Active in Reports: 11/07/2023
Number of Days to Update: 77

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2023
Next Scheduled EDR Contact: 03/04/2024
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: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/20/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 | Source: USGS |
| Date Data Arrived at EDR: 06/08/2011 | Telephone: 703-648-7709 |
| Date Made Active in Reports: 09/13/2011 | Last EDR Contact: 11/20/2023 |
| Number of Days to Update: 97 | Next Scheduled EDR Contact: 03/04/2024 |
| | 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: 11/28/2023 | Source: Department of Interior |
| Date Data Arrived at EDR: 11/29/2023 | Telephone: 202-208-2609 |
| Date Made Active in Reports: 12/11/2023 | Last EDR Contact: 11/28/2023 |
| Number of Days to Update: 12 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Quarterly |

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

| | |
|---|--|
| Date of Government Version: 08/23/2022 | Source: USGS |
| Date Data Arrived at EDR: 11/22/2022 | Telephone: 703-648-6533 |
| Date Made Active in Reports: 02/28/2023 | Last EDR Contact: 11/20/2023 |
| Number of Days to Update: 98 | Next Scheduled EDR Contact: 03/04/2024 |
| | Data Release Frequency: Varies |

FINDS: Facility Index System/Facility Registry System

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

| | |
|---|--|
| Date of Government Version: 11/03/2023 | Source: EPA |
| Date Data Arrived at EDR: 11/08/2023 | Telephone: (415) 947-8000 |
| Date Made Active in Reports: 11/20/2023 | Last EDR Contact: 11/08/2023 |
| Number of Days to Update: 12 | Next Scheduled EDR Contact: 03/11/2024 |
| | 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: 06/24/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 06/29/2023 | Telephone: 202-564-2280 |
| Date Made Active in Reports: 09/25/2023 | Last EDR Contact: 10/03/2023 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Quarterly |

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/06/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/11/2023
Number of Days to Update: 89

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 09/13/2023
Next Scheduled EDR Contact: 01/22/2024
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: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/15/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 65

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

| | |
|---|---|
| Date of Government Version: 07/05/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/05/2023 | Telephone: 202-566-0250 |
| Date Made Active in Reports: 10/02/2023 | Last EDR Contact: 10/03/2023 |
| Number of Days to Update: 89 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Varies |

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

| | |
|---|---|
| Date of Government Version: 07/05/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/05/2023 | Telephone: 202-272-0167 |
| Date Made Active in Reports: 10/02/2023 | Last EDR Contact: 10/03/2023 |
| Number of Days to Update: 89 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Varies |

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

| | |
|---|---|
| Date of Government Version: 06/24/2020 | Source: Department of Health & Human Services |
| Date Data Arrived at EDR: 03/17/2021 | Telephone: 202-741-5770 |
| Date Made Active in Reports: 11/08/2022 | Last EDR Contact: 10/23/2023 |
| Number of Days to Update: 601 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: Varies |

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

| | |
|---|---|
| Date of Government Version: 09/23/2023 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 10/03/2023 | Telephone: 202-272-0167 |
| Date Made Active in Reports: 10/10/2023 | Last EDR Contact: 10/03/2023 |
| Number of Days to Update: 7 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Varies |

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 10/02/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facility's name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration's document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/05/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/06/2023
Date Made Active in Reports: 09/25/2023
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 202-267-2675
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 07/16/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 08/28/2023
Number of Days to Update: 41

Source: Environmental Protection Agency
Telephone: 202-564-4700
Last EDR Contact: 10/03/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CHROME PLATING: Chrome Plating Facilities Listing

This listing represents chrome plating facilities the California State Water Resources Control Board staff identified as possibly being a source of Per- and polyfluoroalkyl substance (PFAS) contamination. Sites and locations were identified by staff with the Division of Water Quality in the California State Water Board. Data was collected from the CA Air Resources Board 2013 and 2018 - Cr VI emission survey, CA Emission Inventory, CA HAZ Waste discharge database and by reviewing storm water permits. Former chrome plating sites are also included that are open site investigation or remediation cases with the Regional Water Quality Control Boards and the Department of Toxic Substances Control.

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|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 916-341-5455 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 11/30/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | 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: 09/19/2023 | Source: CAL EPA/Office of Emergency Information |
| Date Data Arrived at EDR: 09/20/2023 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 12/08/2023 | Last EDR Contact: 09/20/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Quarterly |

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

| | |
|---|--|
| Date of Government Version: 03/31/2023 | Source: Livermore-Pleasanton Fire Department |
| Date Data Arrived at EDR: 05/08/2023 | Telephone: 925-454-2361 |
| Date Made Active in Reports: 07/31/2023 | Last EDR Contact: 11/09/2023 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 02/19/2024 |
| | Data Release Frequency: Varies |

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 08/15/2023 | Source: Sacramento Metropolitan Air Quality Management District |
| Date Data Arrived at EDR: 08/17/2023 | Telephone: 916-874-3958 |
| Date Made Active in Reports: 10/31/2023 | Last EDR Contact: 08/15/2023 |
| Number of Days to Update: 75 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN SAN DIEGO CO DIST: San Diego County Air Pollution Control District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the San Diego County Air Pollution Control District.

| | |
|---|---|
| Date of Government Version: 08/08/2023 | Source: San Diego County Air Pollution Control District |
| Date Data Arrived at EDR: 08/09/2023 | Telephone: 858-586-2616 |
| Date Made Active in Reports: 10/26/2023 | Last EDR Contact: 08/08/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN FEATHER RIVER DIST: Feather River Air Quality Management District Drycleaner Facility Listing

A listing of drycleaner facility locations, for the Feather River Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 03/08/2023 | Source: Feather River Air Quality Management District |
| Date Data Arrived at EDR: 03/09/2023 | Telephone: 530-634-7659 |
| Date Made Active in Reports: 06/05/2023 | Last EDR Contact: 06/08/2023 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the South Coast Air Quality Management District

| | |
|---|---|
| Date of Government Version: 08/18/2023 | Source: South Coast Air Quality Management District |
| Date Data Arrived at EDR: 08/18/2023 | Telephone: 909-396-3211 |
| Date Made Active in Reports: 11/01/2023 | Last EDR Contact: 11/13/2023 |
| Number of Days to Update: 75 | Next Scheduled EDR Contact: 03/04/2024 |
| | Data Release Frequency: Varies |

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing
A listing of dry cleaners in the Antelope Valley Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 08/22/2023 | Source: Antelope Valley Air Quality Management District |
| Date Data Arrived at EDR: 08/24/2023 | Telephone: 661-723-8070 |
| Date Made Active in Reports: 11/07/2023 | Last EDR Contact: 11/21/2023 |
| Number of Days to Update: 75 | Next Scheduled EDR Contact: 03/11/2024 |
| | Data Release Frequency: Varies |

DRYCLEAN SAN JOAQ VAL DIST: San Joaquin Valley Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Joaquin Valley Air Pollution Control District.

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|---|---|
| Date of Government Version: 05/24/2023 | Source: San Joaquin Valley Air Pollution Control District |
| Date Data Arrived at EDR: 05/30/2023 | Telephone: 559-230-6001 |
| Date Made Active in Reports: 08/21/2023 | Last EDR Contact: 05/11/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN SAN LUIS OB CO DIST: San Luis Obispo County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the San Luis Obispo County Air Pollution Control District.

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|---|---|
| Date of Government Version: 07/26/2023 | Source: San Luis Obispo County Air Pollution Control District |
| Date Data Arrived at EDR: 07/27/2023 | Telephone: 805-781-5756 |
| Date Made Active in Reports: 10/13/2023 | Last EDR Contact: 07/25/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN GLENN CO DIST: Glenn County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Glenn County Air Pollution Control District.

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|---|---|
| Date of Government Version: 05/02/2023 | Source: Glenn County Air Pollution Control District |
| Date Data Arrived at EDR: 05/03/2023 | Telephone: 530-934-6500 |
| Date Made Active in Reports: 07/25/2023 | Last EDR Contact: 05/03/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN EAST KERN DIST: Eastern Kern Air Pollution Control District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Eastern Kern Air Pollution Control District.

| | |
|---|---|
| Date of Government Version: 01/12/2023 | Source: Eastern Kern Air Pollution Control District |
| Date Data Arrived at EDR: 04/26/2023 | Telephone: 661-862-9684 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN IMPERIAL CO DIST: Imperial County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Imperial County Air Pollution Control District

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|---|--|
| Date of Government Version: 04/25/2023 | Source: Imperial County Air Pollution Control District |
| Date Data Arrived at EDR: 04/26/2023 | Telephone: 442-265-1800 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN MENDO CO DIST: Mendocino County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mendocino County Air Quality Management District.

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|---|--|
| Date of Government Version: 04/27/2023 | Source: Mendocino County Air Quality Management District |
| Date Data Arrived at EDR: 04/28/2023 | Telephone: 707-463-4354 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN MOJAVE DESERT DIST: Mojave Desert Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Mojave Desert Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 04/26/2023 | Source: Mojave Desert Air Quality Management District |
| Date Data Arrived at EDR: 04/27/2023 | Telephone: 760-245-1661 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN MONTEREY BAY DIST: Monterey Bay Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Monterey Bay Air Quality Management District.

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|---|--|
| Date of Government Version: 04/25/2023 | Source: Monterey Bay Air Quality Management District |
| Date Data Arrived at EDR: 04/26/2023 | Telephone: 831-647-9411 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN SHASTA CO DIST: Shasta County Air Quality Management District District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Shasta County Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 04/26/2023 | Source: Shasta County Air Quality Management District |
| Date Data Arrived at EDR: 04/27/2023 | Telephone: 530-225-5674 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN YOLO-SOLANO DIST: Yolo-Solano Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Yolo-Solano Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 04/25/2023 | Source: Yolo-Solano Air Quality Management District |
| Date Data Arrived at EDR: 04/27/2023 | Telephone: 530-757-3650 |
| Date Made Active in Reports: 07/14/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN PLACER CO DIST: Placer County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Placer County Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 05/15/2023 | Source: Placer County Air Quality Management District |
| Date Data Arrived at EDR: 05/17/2023 | Telephone: 530-745-2335 |
| Date Made Active in Reports: 08/14/2023 | Last EDR Contact: 05/11/2023 |
| Number of Days to Update: 89 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN BAY AREA DIST: Bay Area Air Quality Management District Drycleaner Facility Listing
Bay Area Air Quality Management District Drycleaner Facility Listing.

| | |
|---|--|
| Date of Government Version: 02/20/2019 | Source: Bay Area Air Quality Management District |
| Date Data Arrived at EDR: 05/30/2019 | Telephone: 415-516-1916 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 12/04/2023 |
| Number of Days to Update: 1432 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN BUTTE CO DIST: Butte County Air Quality Management District Drycleaner Facility Listing
Butte County Air Quality Management District Drycleaner Facility Listing.

| | |
|---|--|
| Date of Government Version: 12/31/2018 | Source: Butte County Air Quality Management District |
| Date Data Arrived at EDR: 04/23/2019 | Telephone: 530-332-9400 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 10/03/2023 |
| Number of Days to Update: 1469 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN CALAVERAS CO DIST: Calaveras County Environmental Management Agency Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Calaveras County Environmental Management Agency.

| | |
|---|--|
| Date of Government Version: 06/17/2019 | Source: Calaveras County Environmental Management Agency |
| Date Data Arrived at EDR: 06/19/2019 | Telephone: 209-754-6399 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 04/24/2023 |
| Number of Days to Update: 1412 | Next Scheduled EDR Contact: 09/16/2019 |
| | Data Release Frequency: Varies |

DRYCLEAN GRANT: Grant Recipients List

Assembly Bill 998 (AB 998) established the Non-Toxic Dry Cleaning Incentive Program to provide financial assistance to the dry cleaning industry to switch from systems using perchloroethylene (Perc), an identified toxic air contaminant and potential human carcinogen, to non-toxic and non-smog forming alternatives.

| | |
|---|--|
| Date of Government Version: 12/31/2020 | Source: California Air Resources Board |
| Date Data Arrived at EDR: 02/04/2021 | Telephone: 916-323-0006 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 10/28/2023 |
| Number of Days to Update: 816 | Next Scheduled EDR Contact: 02/05/2024 |
| | Data Release Frequency: Varies |

DRYCLEAN LAKE CO DIST: Lake County Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Lake County Air Quality Management District,

| | |
|---|---|
| Date of Government Version: 04/29/2019 | Source: Lake County Air Quality Management District |
| Date Data Arrived at EDR: 05/07/2019 | Telephone: 707-263-7000 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 05/11/2023 |
| Number of Days to Update: 1455 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN NO COAST UNIFIED DIST: North Coast Unified Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the North Coast Unified Air Quality Management District.

| | |
|---|---|
| Date of Government Version: 11/30/2016 | Source: North Coast Unified Air Quality Management District |
| Date Data Arrived at EDR: 04/19/2019 | Telephone: 707-443-3093 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 1473 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN NO SIERRA DIST: Northern Sierra Air Quality Management District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sierra Air Quality Management District,

| | |
|---|---|
| Date of Government Version: 05/07/2019 | Source: Northern Sierra Air Quality Management District |
| Date Data Arrived at EDR: 05/07/2019 | Telephone: 530-274-9350 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 1455 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN NO SONOMA CO DIST: Northern Sonoma County County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Northern Sonoma County Air Pollution Control District.,

| | |
|---|---|
| Date of Government Version: 04/17/2019 | Source: Santa Barbara County Air Pollution Control District |
| Date Data Arrived at EDR: 04/17/2019 | Telephone: 707-433-5911 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 1475 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEAN SANTA BARB CO DIST: Santa Barbara County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Santa Barbara County Air Pollution Control District.

| | |
|---|---|
| Date of Government Version: 02/19/2019 | Source: Santa Barbara County Air Pollution Control District |
| Date Data Arrived at EDR: 04/17/2019 | Telephone: 805-961-8867 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 1475 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN TEHAMA CO DIST: Tehama County Air Pollution Control District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Tehama County Air Pollution Control District.

| | |
|---|--|
| Date of Government Version: 04/24/2019 | Source: Tehama County Air Pollution Control District |
| Date Data Arrived at EDR: 04/24/2019 | Telephone: 530-527-3717 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 04/25/2023 |
| Number of Days to Update: 1468 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN VENTURA CO DIST: Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Ventura County Air Pollution Control District.

| | |
|---|---|
| Date of Government Version: 04/16/2019 | Source: Ventura County Air Pollution Control District |
| Date Data Arrived at EDR: 04/17/2019 | Telephone: 805-645-1421 |
| Date Made Active in Reports: 05/01/2023 | Last EDR Contact: 10/11/2023 |
| Number of Days to Update: 1475 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEAN AMADOR: Amador Air District Drycleaner Facility Listing
A listing of drycleaner facility locations, for the Amador Air Quality Management District

| | |
|---|--|
| Date of Government Version: 04/26/2023 | Source: Amador Air Quality Management District |
| Date Data Arrived at EDR: 04/27/2023 | Telephone: 209-257-0112 |
| Date Made Active in Reports: 07/13/2023 | Last EDR Contact: 04/24/2023 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 09/11/2023 |
| | Data Release Frequency: Varies |

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

| | |
|---|---|
| Date of Government Version: 08/31/2023 | Source: Department of Toxic Substance Control |
| Date Data Arrived at EDR: 09/08/2023 | Telephone: 916-327-4498 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 03/11/2024 |
| | 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: 12/31/2021 | Source: California Air Resources Board |
| Date Data Arrived at EDR: 06/09/2023 | Telephone: 916-322-2990 |
| Date Made Active in Reports: 08/30/2023 | Last EDR Contact: 09/15/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 12/25/2023 |
| | 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing Financial Assurance information

Date of Government Version: 09/13/2023
Date Data Arrived at EDR: 09/14/2023
Date Made Active in Reports: 09/21/2023
Number of Days to Update: 7

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 09/13/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/16/2023
Date Made Active in Reports: 11/01/2023
Number of Days to Update: 77

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Varies

ICE: Inspection, Compliance and Enforcement

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

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/14/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

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

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

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 08/14/2023
Date Data Arrived at EDR: 08/14/2023
Date Made Active in Reports: 10/31/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/29/2023
Date Data Arrived at EDR: 06/29/2023
Date Made Active in Reports: 09/19/2023
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Quarterly

HWTS: Hazardous Waste Tracking System

DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/09/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Varies

HAZNET: Facility and Manifest Data

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

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Annually

MINES: Mines Site Location Listing

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

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
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: 08/08/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/22/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 09/07/2023
Date Data Arrived at EDR: 09/08/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 81

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Annually

SANTA CRUZ CO SITE MITI: Site Mitigation Listing

Sites may become contaminated with toxic chemicals through illegal dumping or disposal, from leaking underground storage tanks, or through industrial or commercial activities. The goal of the site mitigation program is to protect the public health and the environment while facilitating completion of contaminated site clean-up projects in a timely manner.

Date of Government Version: 12/03/2018
Date Data Arrived at EDR: 06/23/2023
Date Made Active in Reports: 07/13/2023
Number of Days to Update: 20

Source: Santa Cruz Environmental Health Services
Telephone: 831-454-2761
Last EDR Contact: 11/16/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

UIC: UIC Listing

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

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/28/2023
Number of Days to Update: 83

Source: Department of Conservation
Telephone: 916-445-2408
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/05/2023
Date Data Arrived at EDR: 09/06/2023
Date Made Active in Reports: 11/27/2023
Number of Days to Update: 82

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEWATER PITS: Oil Wastewater Pits Listing

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

| | |
|---|--|
| Date of Government Version: 02/11/2021 | Source: RWQCB, Central Valley Region |
| Date Data Arrived at EDR: 07/01/2021 | Telephone: 559-445-5577 |
| Date Made Active in Reports: 09/29/2021 | Last EDR Contact: 10/06/2023 |
| Number of Days to Update: 90 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Varies |

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

| | |
|---|---|
| Date of Government Version: 06/19/2007 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/20/2007 | Telephone: 916-341-5227 |
| Date Made Active in Reports: 06/29/2007 | Last EDR Contact: 11/10/2023 |
| Number of Days to Update: 9 | Next Scheduled EDR Contact: 02/26/2024 |
| | Data Release Frequency: No Update Planned |

WIP: Well Investigation Program Case List

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

| | |
|---|---|
| Date of Government Version: 07/03/2009 | Source: Los Angeles Water Quality Control Board |
| Date Data Arrived at EDR: 07/21/2009 | Telephone: 213-576-6726 |
| Date Made Active in Reports: 08/03/2009 | Last EDR Contact: 09/12/2023 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: No Update Planned |

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

PROJECT: Project Sites (GEOTRACKER)

Projects sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 916-341-5810 |
| Date Made Active in Reports: 11/28/2023 | Last EDR Contact: 11/29/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CIWQS: California Integrated Water Quality System

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

| | |
|---|---|
| Date of Government Version: 08/28/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 08/29/2023 | Telephone: 866-794-4977 |
| Date Made Active in Reports: 11/13/2023 | Last EDR Contact: 11/22/2023 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 03/11/2024 |
| | Data Release Frequency: Varies |

CERS: CalEPA Regulated Site Portal Data

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

| | |
|---|--|
| Date of Government Version: 07/17/2023 | Source: California Environmental Protection Agency |
| Date Data Arrived at EDR: 07/18/2023 | Telephone: 916-323-2514 |
| Date Made Active in Reports: 10/06/2023 | Last EDR Contact: 10/17/2023 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

| | |
|---|---|
| Date of Government Version: 09/05/2023 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 11/27/2023 | Last EDR Contact: 12/05/2023 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 09/05/2023

Date Data Arrived at EDR: 09/06/2023

Date Made Active in Reports: 11/27/2023

Number of Days to Update: 82

Source: State Water Resources Control Board

Telephone: 866-480-1028

Last EDR Contact: 12/05/2023

Next Scheduled EDR Contact: 03/18/2024

Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

| | |
|---|--|
| Date of Government Version: N/A | Source: Department of Resources Recycling and Recovery |
| Date Data Arrived at EDR: 07/01/2013 | Telephone: N/A |
| Date Made Active in Reports: 01/13/2014 | Last EDR Contact: 06/01/2012 |
| Number of Days to Update: 196 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: Varies |

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

| | |
|---|---|
| Date of Government Version: N/A | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 07/01/2013 | Telephone: N/A |
| Date Made Active in Reports: 12/30/2013 | Last EDR Contact: 06/01/2012 |
| Number of Days to Update: 182 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: Varies |

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

| | |
|---|--|
| Date of Government Version: 01/09/2019 | Source: Alameda County Environmental Health Services |
| Date Data Arrived at EDR: 01/11/2019 | Telephone: 510-567-6700 |
| Date Made Active in Reports: 03/05/2019 | Last EDR Contact: 09/27/2023 |
| Number of Days to Update: 53 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Semi-Annually |

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

| | |
|---|--|
| Date of Government Version: 06/27/2023 | Source: Alameda County Environmental Health Services |
| Date Data Arrived at EDR: 06/28/2023 | Telephone: 510-567-6700 |
| Date Made Active in Reports: 09/14/2023 | Last EDR Contact: 09/27/2023 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 01/15/2024 |
| | Data Release Frequency: Semi-Annually |

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

| | |
|---|--|
| Date of Government Version: 04/27/2023 | Source: Amador County Environmental Health |
| Date Data Arrived at EDR: 04/27/2023 | Telephone: 209-223-6439 |
| Date Made Active in Reports: 07/13/2023 | Last EDR Contact: 10/25/2023 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 02/12/2024 |
| | Data Release Frequency: Varies |

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 09/12/2023
Date Data Arrived at EDR: 09/13/2023
Date Made Active in Reports: 12/04/2023
Number of Days to Update: 82

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 07/05/2023
Date Data Arrived at EDR: 07/20/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 77

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 08/02/2023
Date Data Arrived at EDR: 08/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 77

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

EL DORADO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/12/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 76

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

INYO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List

A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 13

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 07/26/2023
Date Data Arrived at EDR: 07/27/2023
Date Made Active in Reports: 08/03/2023
Number of Days to Update: 7

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

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

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 10/27/2023
Date Data Arrived at EDR: 11/01/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 20

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 06/21/2023
Date Data Arrived at EDR: 06/28/2023
Date Made Active in Reports: 09/14/2023
Number of Days to Update: 78

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2023
Next Scheduled EDR Contact: 01/15/2024
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/10/2023
Date Made Active in Reports: 09/27/2023
Number of Days to Update: 79

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 10/09/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 09/19/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

| | |
|---|---|
| Date of Government Version: 04/13/2023 | Source: Los Angeles County Department of Public Works |
| Date Data Arrived at EDR: 07/13/2023 | Telephone: 626-458-6973 |
| Date Made Active in Reports: 09/27/2023 | Last EDR Contact: 10/04/2023 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 01/22/2024 |
| | Data Release Frequency: No Update Planned |

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 06/20/2023 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 06/22/2023 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 08/09/2023 | Last EDR Contact: 09/20/2023 |
| Number of Days to Update: 48 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Varies |

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 09/01/2023 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 09/20/2023 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 12/08/2023 | Last EDR Contact: 09/20/2023 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 01/01/2024 |
| | Data Release Frequency: Varies |

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

| | |
|---|--|
| Date of Government Version: 03/02/2023 | Source: Community Health Services |
| Date Data Arrived at EDR: 04/18/2023 | Telephone: 323-890-7806 |
| Date Made Active in Reports: 07/07/2023 | Last EDR Contact: 10/17/2023 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Annually |

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

| | |
|---|--|
| Date of Government Version: 01/21/2017 | Source: City of El Segundo Fire Department |
| Date Data Arrived at EDR: 04/19/2017 | Telephone: 310-524-2236 |
| Date Made Active in Reports: 05/10/2017 | Last EDR Contact: 10/04/2023 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 01/22/2024 |
| | Data Release Frequency: No Update Planned |

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

| | |
|---|--|
| Date of Government Version: 04/22/2019 | Source: City of Long Beach Fire Department |
| Date Data Arrived at EDR: 04/23/2019 | Telephone: 562-570-2563 |
| Date Made Active in Reports: 06/27/2019 | Last EDR Contact: 10/10/2023 |
| Number of Days to Update: 65 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank

Underground storage tank sites located in the city of Torrance.

Date of Government Version: 04/12/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 06/13/2023
Number of Days to Update: 42

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

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

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 09/21/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List

CUPA facility list.

Date of Government Version: 07/25/2023
Date Data Arrived at EDR: 08/03/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 77

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

MONO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: Varies

MONTEREY COUNTY:

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

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 11/02/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

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

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/13/2023
Next Scheduled EDR Contact: 03/04/2024
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

Date of Government Version: 07/21/2023
Date Data Arrived at EDR: 07/25/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Varies

ORANGE COUNTY:

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Annually

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

Date of Government Version: 05/15/2023
Date Data Arrived at EDR: 07/31/2023
Date Made Active in Reports: 08/09/2023
Number of Days to Update: 9

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

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

Date of Government Version: 04/01/2023
Date Data Arrived at EDR: 05/18/2023
Date Made Active in Reports: 06/14/2023
Number of Days to Update: 27

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 11/09/2023
Date Data Arrived at EDR: 11/09/2023
Date Made Active in Reports: 11/21/2023
Number of Days to Update: 12

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/01/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

RIVERSIDE COUNTY:

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

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/10/2023
Date Data Arrived at EDR: 07/11/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/25/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/25/2023
Next Scheduled EDR Contact: 01/08/2024
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 05/02/2023
Date Data Arrived at EDR: 05/04/2023
Date Made Active in Reports: 07/25/2023
Number of Days to Update: 82

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 10/18/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 08/15/2023
Date Data Arrived at EDR: 08/16/2023
Date Made Active in Reports: 11/01/2023
Number of Days to Update: 77

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 10/26/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/28/2023
Date Data Arrived at EDR: 08/29/2023
Date Made Active in Reports: 11/13/2023
Number of Days to Update: 76

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/27/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/04/2023
Date Data Arrived at EDR: 04/05/2023
Date Made Active in Reports: 06/27/2023
Number of Days to Update: 83

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/26/2023
Number of Days to Update: 79

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 08/04/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/25/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Quarterly

SAN FRANCISCO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing

a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 07/17/2023
Date Data Arrived at EDR: 07/18/2023
Date Made Active in Reports: 10/05/2023
Number of Days to Update: 79

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 10/17/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

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

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 03/25/2024
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 08/09/2023
Date Data Arrived at EDR: 08/10/2023
Date Made Active in Reports: 10/27/2023
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/07/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 03/29/2019

Date Data Arrived at EDR: 03/29/2019

Date Made Active in Reports: 05/29/2019

Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921

Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/18/2024

Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011

Date Data Arrived at EDR: 09/09/2011

Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167

Last EDR Contact: 11/08/2023

Next Scheduled EDR Contact: 02/26/2024

Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 11/07/2023

Date Data Arrived at EDR: 11/08/2023

Date Made Active in Reports: 11/16/2023

Number of Days to Update: 8

Source: Department of Environmental Health

Telephone: 408-918-1973

Last EDR Contact: 10/31/2023

Next Scheduled EDR Contact: 02/26/2024

Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005

Date Data Arrived at EDR: 03/30/2005

Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600

Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009

Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014

Date Data Arrived at EDR: 03/05/2014

Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417

Last EDR Contact: 11/13/2023

Next Scheduled EDR Contact: 03/04/2024

Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017

Date Data Arrived at EDR: 02/22/2017

Date Made Active in Reports: 05/23/2017

Number of Days to Update: 90

Source: Santa Cruz County Environmental Health

Telephone: 831-464-2761

Last EDR Contact: 11/08/2023

Next Scheduled EDR Contact: 02/26/2024

Data Release Frequency: Varies

SHASTA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 11/08/2023
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

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

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

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

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 09/12/2023
Next Scheduled EDR Contact: 01/01/2024
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 10/04/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Varies

SUTTER COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2023
Date Data Arrived at EDR: 08/24/2023
Date Made Active in Reports: 09/12/2023
Number of Days to Update: 19

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/21/2023
Next Scheduled EDR Contact: 03/11/2024
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 08/01/2023
Date Data Arrived at EDR: 08/02/2023
Date Made Active in Reports: 10/19/2023
Number of Days to Update: 78

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 12/05/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 07/11/2023
Date Data Arrived at EDR: 07/12/2023
Date Made Active in Reports: 09/26/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List

Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 10/25/2023
Next Scheduled EDR Contact: 02/12/2024
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List

Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Division of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 10/10/2023
Next Scheduled EDR Contact: 01/29/2024
Data Release Frequency: Varies

VENTURA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

| | |
|---|--|
| Date of Government Version: 06/26/2023 | Source: Ventura County Environmental Health Division |
| Date Data Arrived at EDR: 07/20/2023 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 10/03/2023 | Last EDR Contact: 10/16/2023 |
| Number of Days to Update: 75 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Quarterly |

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

| | |
|---|---|
| Date of Government Version: 12/01/2011 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 12/01/2011 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 01/19/2012 | Last EDR Contact: 09/21/2023 |
| Number of Days to Update: 49 | Next Scheduled EDR Contact: 01/08/2024 |
| | Data Release Frequency: No Update Planned |

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

| | |
|---|---|
| Date of Government Version: 05/29/2008 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 06/24/2008 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 07/31/2008 | Last EDR Contact: 11/02/2023 |
| Number of Days to Update: 37 | Next Scheduled EDR Contact: 02/19/2024 |
| | Data Release Frequency: No Update Planned |

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

| | |
|---|---|
| Date of Government Version: 06/26/2023 | Source: Ventura County Resource Management Agency |
| Date Data Arrived at EDR: 07/25/2023 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 10/13/2023 | Last EDR Contact: 10/16/2023 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 01/29/2024 |
| | Data Release Frequency: Quarterly |

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

| | |
|---|--|
| Date of Government Version: 08/28/2023 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 09/06/2023 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 11/28/2023 | Last EDR Contact: 11/29/2023 |
| Number of Days to Update: 83 | Next Scheduled EDR Contact: 03/18/2024 |
| | Data Release Frequency: Quarterly |

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

| | |
|---|--|
| Date of Government Version: 04/03/2023 | Source: Yolo County Department of Health |
| Date Data Arrived at EDR: 04/18/2023 | Telephone: 530-666-8646 |
| Date Made Active in Reports: 06/13/2023 | Last EDR Contact: 09/21/2023 |
| Number of Days to Update: 56 | Next Scheduled EDR Contact: 01/08/2024 |
| | Data Release Frequency: Annually |

YUBA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 07/24/2023
Date Data Arrived at EDR: 07/26/2023
Date Made Active in Reports: 10/11/2023
Number of Days to Update: 77

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 10/20/2023
Next Scheduled EDR Contact: 02/05/2024
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: 08/07/2023
Date Data Arrived at EDR: 08/08/2023
Date Made Active in Reports: 10/24/2023
Number of Days to Update: 77

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/07/2023
Next Scheduled EDR Contact: 02/19/2024
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/28/2023
Next Scheduled EDR Contact: 01/15/2024
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: 12/31/2019
Date Data Arrived at EDR: 11/30/2023
Date Made Active in Reports: 12/01/2023
Number of Days to Update: 1

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/30/2023
Next Scheduled EDR Contact: 02/05/2024
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/05/2023
Next Scheduled EDR Contact: 01/22/2024
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/26/2024
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 11/29/2023
Next Scheduled EDR Contact: 03/18/2024
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

ROBERTS PHASE I ESA
NO ADDRESS
MADERA, CA 93637

TARGET PROPERTY COORDINATES

Latitude (North): 36.856893 - 36° 51' 24.81"
Longitude (West): 120.325588 - 120° 19' 32.12"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 738434.2
UTM Y (Meters): 4082133.8
Elevation: 162 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 50003722 MENDOTA DAM, CA
Version Date: 2021

North Map: 50003698 FIREBAUGH NE, CA
Version Date: 2021

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

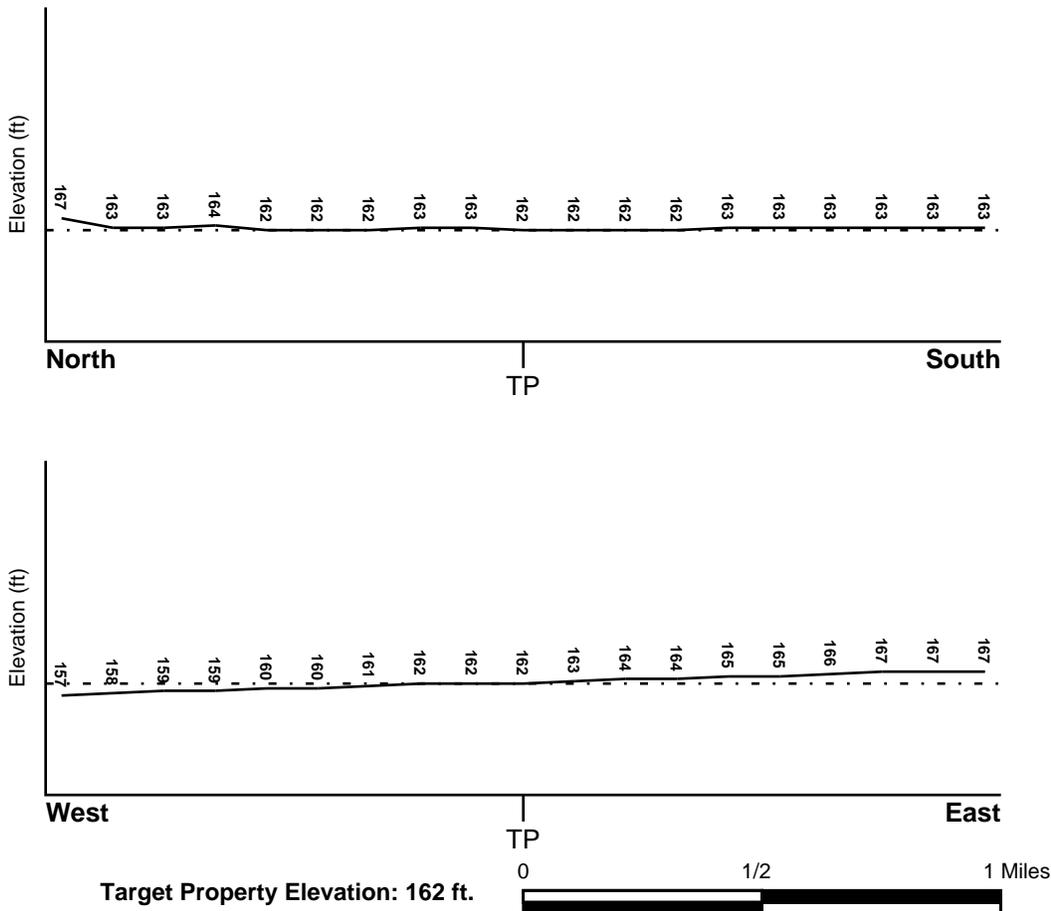
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

| | |
|---|-------------------------|
| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
| 06039C1300E | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| Not Reported | |

NATIONAL WETLAND INVENTORY

| | |
|------------------------------------|--|
| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u> |
| MENDOTA DAM | YES - refer to the Overview Map and Detail Map |

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:
 Search Radius: 1.25 miles
 Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| Not Reported | | |

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

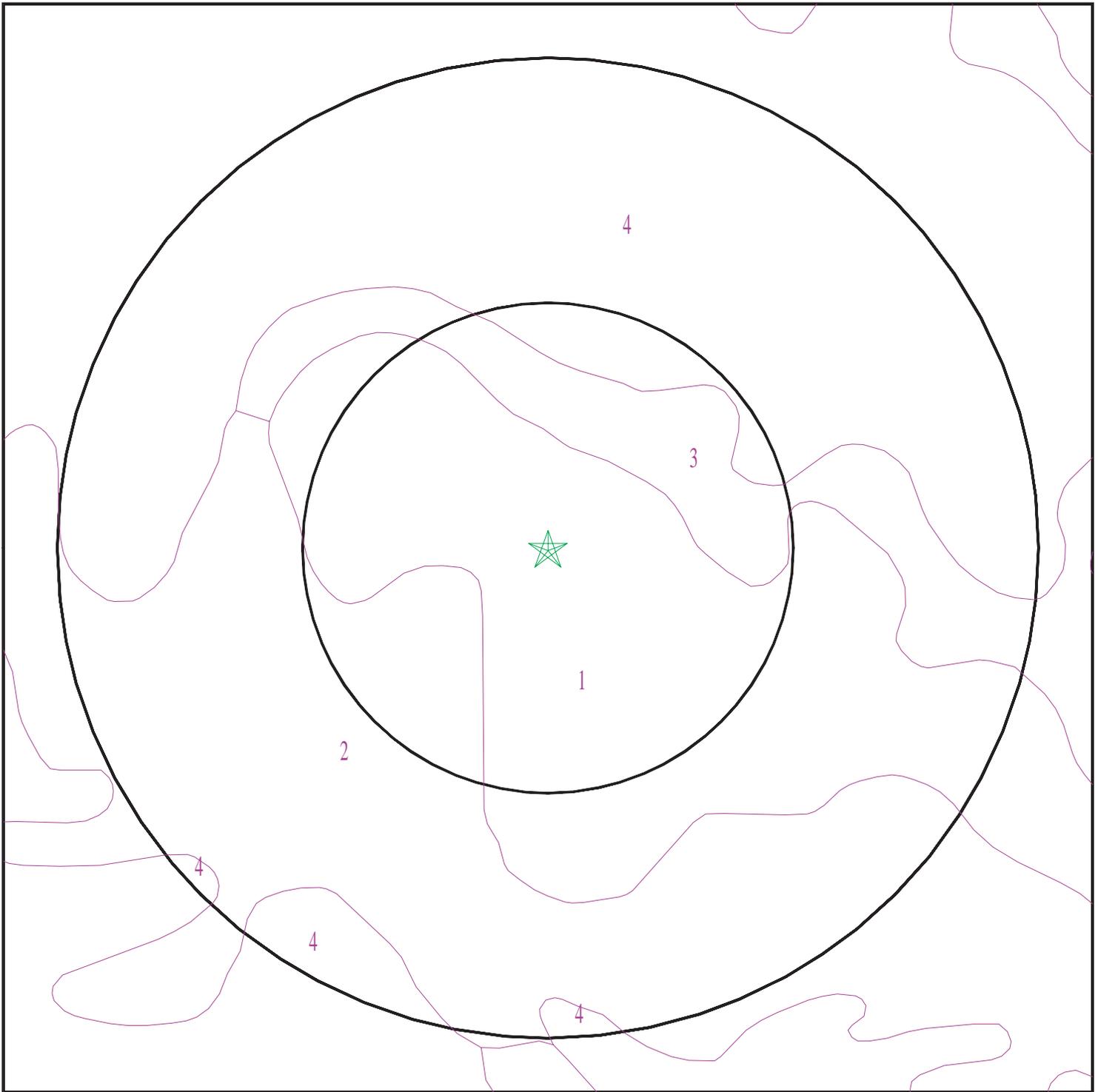
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7518907.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Roberts Phase I ESA
ADDRESS: No Address
Madera CA 93637
LAT/LONG: 36.856893 / 120.325588

CLIENT: DUDEK
CONTACT: Susan Smith
INQUIRY #: 7518907.2s
DATE: December 12, 2023 4:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: El Peco

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--|---|---|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 14 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |
| 2 | 14 inches | 24 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |
| 3 | 24 inches | 29 inches | cemented | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |
| 4 | 29 inches | 59 inches | stratified very fine sandy loam to silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 2

Soil Component Name: El Peco

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--|---|--|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 14 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |
| 2 | 14 inches | 24 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |
| 3 | 24 inches | 29 inches | cemented | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |
| 4 | 29 inches | 59 inches | stratified very fine sandy loam to silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 1.4 Min: 0.42 | Max: 9.6 Min: 8.4 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 3

Soil Component Name: Cajon

Soil Surface Texture: loamy sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|---|--|---|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 11 inches | loamy sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 9.6 Min: 7.8 |
| 2 | 11 inches | 59 inches | loamy fine sand | Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 141 Min: 42 | Max: 9.6 Min: 7.8 |

Soil Map ID: 4

Soil Component Name: Fresno

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|-------------------------------|---|--|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 11 inches | fine sandy loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4 Min: 1.4 | Max: 9.6 Min: 7.8 |
| 2 | 11 inches | 18 inches | sandy clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4 Min: 1.4 | Max: 9.6 Min: 7.8 |
| 3 | 18 inches | 24 inches | cemented | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4 Min: 1.4 | Max: 9.6 Min: 7.8 |
| 4 | 24 inches | 59 inches | stratified sandy loam to loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils. | COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand. | Max: 4 Min: 1.4 | Max: 9.6 Min: 7.8 |

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|---------------------|
| 2 | USGS40000178731 | 1/8 - 1/4 Mile East |
| 4 | USGS40000178790 | 1/4 - 1/2 Mile ENE |
| 5 | USGS40000178557 | 1/2 - 1 Mile SSW |
| 6 | USGS40000178587 | 1/2 - 1 Mile SE |
| A8 | USGS40000178846 | 1/2 - 1 Mile NNE |
| 10 | USGS40000178545 | 1/2 - 1 Mile SW |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|---------------------|---------|------------------|
| No PWS System Found | | |

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

STATE DATABASE WELL INFORMATION

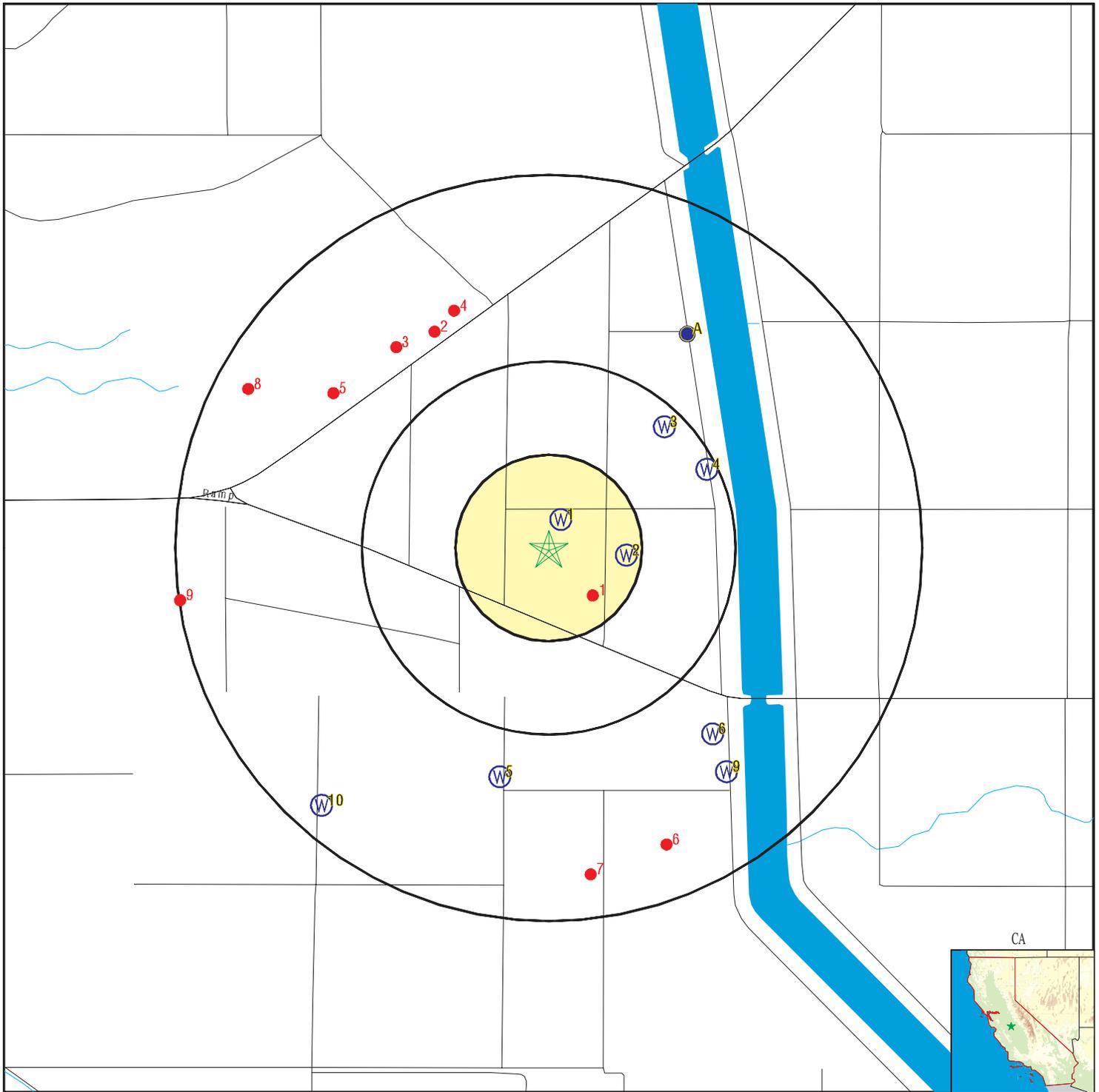
| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|-------------------|
| 1 | CADWR0000029160 | 0 - 1/8 Mile NNE |
| 3 | CADWR0000035600 | 1/4 - 1/2 Mile NE |
| A7 | CADWR9000031389 | 1/2 - 1 Mile NNE |
| 9 | CADWR9000031216 | 1/2 - 1 Mile SE |

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-----------------|--------------------|
| 1 | CAOG15000009316 | 1/8 - 1/4 Mile SE |
| 2 | CAOG15000192333 | 1/2 - 1 Mile NNW |
| 3 | CAOG15000192307 | 1/2 - 1 Mile NW |
| 4 | CAOG15000192323 | 1/2 - 1 Mile NNW |
| 5 | CAOG15000192310 | 1/2 - 1 Mile NW |
| 6 | CAOG15000005462 | 1/2 - 1 Mile SSE |
| 7 | CAOG15000192334 | 1/2 - 1 Mile South |
| 8 | CAOG15000192322 | 1/2 - 1 Mile WNW |
| 9 | CAOG15000011558 | 1/2 - 1 Mile West |

PHYSICAL SETTING SOURCE MAP - 7518907.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

No contour lines were detected within this map area.

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera CA 93637
 LAT/LONG: 36.856893 / 120.325588

CLIENT: DUDEK
 CONTACT: Susan Smith
 INQUIRY #: 7518907.2s
 DATE: December 12, 2023 4:00 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NNE
0 - 1/8 Mile
Higher

CA WELLS CADWR0000029160

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 12S15E27L001M | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 12S15E27L001M | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12S15E27L001M&store_num= | | |
| GeoTracker Data: | Not Reported | | |

2
East
1/8 - 1/4 Mile
Higher

FED USGS USGS40000178731

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 012S015E27L001M | Type: | Well |
| Description: | Not Reported | HUC: | 18040001 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 57 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1964-08-01 |
| Feet below surface: | 25.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

3
NE
1/4 - 1/2 Mile
Higher

CA WELLS CADWR0000035600

| | | | |
|---------------------------|---|--------------------|--------------|
| Well ID: | 12S15E27G001M | Well Type: | UNK |
| Source: | Department of Water Resources | | |
| Other Name: | 12S15E27G001M | GAMA PFAS Testing: | Not Reported |
| Groundwater Quality Data: | https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=12S15E27G001M&store_num= | | |
| GeoTracker Data: | Not Reported | | |

4
ENE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000178790

| | | | |
|--------------------|--------------------------------------|-------|----------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 012S015E27G001M | Type: | Well |
| Description: | Not Reported | HUC: | 18040001 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|------------------------|-------------------------------|-----------------------------|--------------|
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19550101 | Well Depth: | 266 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

5
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40000178557

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 012S015E33H001M | Type: | Well |
| Description: | Not Reported | HUC: | 18040001 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19530402 | Well Depth: | 284 |
| Well Depth Units: | ft | Well Hole Depth: | 284 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1956-07-01 |
| Feet below surface: | 37.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

6
SE
1/2 - 1 Mile
Higher

FED USGS USGS40000178587

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 012S015E34B001M | Type: | Well |
| Description: | Not Reported | HUC: | 18040001 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

A7
NNE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000031389

| | | | |
|---------------|---------------|------------------------|--------------|
| State Well #: | 12S15E27C001M | Station ID: | 33272 |
| Well Name: | Not Reported | Basin Name: | Madera |
| Well Use: | Unknown | Well Type: | Unknown |
| Well Depth: | 0 | Well Completion Rpt #: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A8
NNE
1/2 - 1 Mile
Higher

FED USGS USGS40000178846

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | Type: | Well |
| Organization Name: | USGS California Water Science Center | HUC: | 18040001 |
| Monitor Location: | 012S015E27C001M | Drainage Area Units: | Not Reported |
| Description: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Drainage Area: | Not Reported | Aquifer Type: | Not Reported |
| Contrib Drainage Area: | Not Reported | Well Depth: | Not Reported |
| Aquifer: | Central Valley aquifer system | Well Hole Depth: | Not Reported |
| Formation Type: | Not Reported | | |
| Construction Date: | 19510101 | | |
| Well Depth Units: | Not Reported | | |
| Well Hole Depth Units: | Not Reported | | |

9
SE
1/2 - 1 Mile
Higher

CA WELLS CADWR9000031216

| | | | |
|---------------|--------------|------------------------|---------------|
| State Well #: | Not Reported | Station ID: | 54074 |
| Well Name: | AWD-1 | Basin Name: | Delta-Mendota |
| Well Use: | Irrigation | Well Type: | Single Well |
| Well Depth: | 498 | Well Completion Rpt #: | Not Reported |

10
SW
1/2 - 1 Mile
Lower

FED USGS USGS40000178545

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | Type: | Well |
| Organization Name: | USGS California Water Science Center | HUC: | 18040001 |
| Monitor Location: | 012S015E33F001M | Drainage Area Units: | Not Reported |
| Description: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Drainage Area: | Not Reported | Aquifer Type: | Not Reported |
| Contrib Drainage Area: | Not Reported | Well Depth: | 320 |
| Aquifer: | Central Valley aquifer system | Well Hole Depth: | 320 |
| Formation Type: | Not Reported | | |
| Construction Date: | 19481028 | | |
| Well Depth Units: | ft | | |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1964-08-01 |
| Feet below surface: | 35.00 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SE
1/8 - 1/4 Mile

OIL_GAS CAOG15000009316

| | | | |
|------------------------|--------------------------------|--------------------|---------------|
| API #: | 0403900150 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Well Design: | Seaboard, Assoc., Gen., Gill 1 | | |
| Lease Name: | Seaboard, Assoc., Gen., Gill | | |
| Operator ID: | C5640 | Field Name: | Any Field |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 08/07/1937 |

2
NNW
1/2 - 1 Mile

OIL_GAS CAOG15000192333

| | | | |
|------------------------|-----------------|--------------------|------------------|
| API #: | 0403920107 | Well #: | 1-27 |
| Well Status: | Plugged | Well Type: | Gas |
| Well Design: | Gill Trust 1-27 | Lease Name: | Gill Trust |
| Operator ID: | P2530 | Field Name: | Moffat Ranch Gas |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 01/18/2007 |

3
NW
1/2 - 1 Mile

OIL_GAS CAOG15000192307

| | | | |
|------------------------|-----------------|--------------------|------------------|
| API #: | 0403920103 | Well #: | 1-28 |
| Well Status: | Idle | Well Type: | Dry Gas |
| Well Design: | Gill Trust 1-28 | Lease Name: | Gill Trust |
| Operator ID: | P2530 | Field Name: | Moffat Ranch Gas |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 11/26/2004 |

4
NNW
1/2 - 1 Mile

OIL_GAS CAOG15000192323

| | | | |
|------------------------|------------|--------------------|------------------------|
| API #: | 0403900146 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Well Design: | 1 | Lease Name: | Lease by Lowry R Lytle |
| Operator ID: | L3200 | Field Name: | Moffat Ranch Gas |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 09/22/1964 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

5
NW
1/2 - 1 Mile

OIL_GAS CAOG15000192310

| | | | |
|------------------------|--------------------|--------------------|------------------|
| API #: | 0403920106 | Well #: | 2-28 |
| Well Status: | Idle | Well Type: | Dry Gas |
| Well Design: | ChevronTexaco 2-28 | Lease Name: | ChevronTexaco |
| Operator ID: | P2530 | Field Name: | Moffat Ranch Gas |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 09/28/2005 |

6
SSE
1/2 - 1 Mile

OIL_GAS CAOG15000005462

| | | | |
|------------------------|------------------|--------------------|----------------|
| API #: | 0403900145 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Well Design: | Imperial-Union 1 | Lease Name: | Imperial-Union |
| Operator ID: | 04198 | Field Name: | Any Field |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 11/01/1959 |

7
South
1/2 - 1 Mile

OIL_GAS CAOG15000192334

| | | | |
|------------------------|--------------|--------------------|------------------|
| API #: | 0403920108 | Well #: | 1-34 |
| Well Status: | Plugged | Well Type: | Multi-Purpose |
| Well Design: | Newhall 1-34 | Lease Name: | Newhall |
| Operator ID: | P2530 | Field Name: | Moffat Ranch Gas |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | Y | Spud Date: | 01/19/2007 |

8
WNW
1/2 - 1 Mile

OIL_GAS CAOG15000192322

| | | | |
|------------------------|------------------------|--------------------|----------------------|
| API #: | 0403920022 | Well #: | 1 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Well Design: | Getty, Mobil, Texaco 1 | Lease Name: | Getty, Mobil, Texaco |
| Operator ID: | A4400 | Field Name: | Moffat Ranch Gas |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 06/22/1978 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance

Database EDR ID Number

9
West
1/2 - 1 Mile

OIL_GAS CAOG15000011558

| | | | |
|------------------------|-------------------|--------------------|-----------------|
| API #: | 0403900144 | Well #: | 2 |
| Well Status: | Plugged | Well Type: | Dry Hole |
| Well Design: | Ambassador-NL&F 2 | Lease Name: | Ambassador-NL&F |
| Operator ID: | G2900 | Field Name: | Any Field |
| Area Name: | Any Area | Place: | Madera County |
| GIS Source: | hud | Confidential Well: | N |
| Directionally Drilled: | N | Spud Date: | 09/23/1962 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---------|-----------|-----------|
| 93637 | 13 | 0 |

Federal EPA Radon Zone for MADERA County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level \geq 2 pCi/L and \leq 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93637

Number of sites tested: 4

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 1.200 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 |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program

State Water Resources Control Board

Telephone: 916-341-5577

The GAMA Program is California's comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Health Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRRA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Appendix D

Owner-Provided Information

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

The ASTM Standard (E 1527-21, Section 10) for Phase I Environmental Site Assessments requires interviews with past and present owners and occupants of the property in order to obtain information on the history and uses of the property. Please answer the questions below to the best of your knowledge. Please provide additional information for all YES answers.

1. Current Property Uses and Buildings:

How long have you owned or occupied the property?

~1972

Describe the current uses of the property.

Agricultural production

How long has the property been used for these purposes?

Since purchase

Describe any buildings on the property and indicate the years they were constructed.

No buildings are on the property

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

2. **Past Uses:** Describe the past use(s) of the property and indicate the time period for each use, if known.

N/A

3. **Previous Owners/Operators:** Please identify previous owners and operators and provide their contact information (if available).

Not available

4. **Industrial Uses:** Please indicate whether the property or adjoining properties have been used for the following industrial uses. **Adjoining properties** include properties that are across the street from yours.

| Industrial Use | Yes (Property) | Yes (Adjoining Property) | No |
|---|--------------------------|--------------------------|-------------------------------------|
| Gasoline Station | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Printing Facility | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Metal Plating Manufacturing | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Landfill | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Auto Repair/Service Facility | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Dry Cleaners | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Junkyard/Auto Dismantling | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Waste Treatment | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Other Industrial Use (please describe below): | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

5. **Agricultural Uses:** Has the subject property ever been used for agricultural purposes?

Yes No Unknown

If yes, please indicate whether any of the following have been present on the subject property.

| Agricultural Use | Yes | No | Location |
|---|--------------------------|-------------------------------------|---------------------------|
| Cattle Hoof Wash | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Wheel Wash, Copper Solution or Other | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Orchards | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Location, type, duration: |
| Orchard Heaters/Smudge Pots | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Pesticide/Herbicide/Fungicide Storage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Location, type, duration: |
| Pesticide/Herbicide/Fungicide Application | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Location, type, duration: |

6. **Dump/Burn Areas:** Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or other waste materials been dumped above ground, buried, or burned on the property?

Yes No Unknown

If yes, please describe:

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

7. Hazardous Substances Storage: Have any of the following items been stored on the property in containers greater than 5 gallons? If yes, please describe.

| Substance | Yes | No | Substance and Container Size (e.g., waste oil in 55-gallon drum) |
|--------------------------|--------------------------|-------------------------------------|---|
| Paint | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Chemicals | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Solvents | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Pesticides | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Fuel | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Oil | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Other (please identify): | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

8. Hazardous Substances Spills: Have there been spills of the substances in Question 6?

Yes No Unknown
If yes, please describe:

9. Pipelines: Have hazardous substances or petroleum products been transferred across the property in pipelines, either above or below ground?

Yes No Unknown
If yes, please provide the type of hazardous substance:

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

Have any spills occurred?

Yes No Unknown

If yes, please describe:

10. Fill Dirt: Has fill dirt been brought onto the property from an off-site source?

Yes No Unknown

If yes, what was the source of fill dirt?

If yes, was/is there evidence that the fill dirt in may be contaminated?

Yes No Unknown

If yes, please provide soil sampling data, if available, or describe other evidence:

11. Pits, Ponds, and Lagoons: Are there currently any pits, ponds, or lagoons on the property?

Yes No Unknown

If yes, please describe:

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

Have any pits, ponds, or lagoons previously existed on the property?

Yes No Unknown

If yes, please describe:

12. Stained Soil: Are there currently any areas on the property with stained soil?

Yes No Unknown

If yes, please describe where, the size of stain, if there were odors, etc.:

Has stained soil previously existed on the property?

Yes No Unknown

If yes, please describe where, size of stain, if there were odors, etc.:

13. Storage Tanks: Do underground or aboveground storage tanks exist or have they existed previously on the property?

Yes No Unknown

If yes, please provide details below. If tanks previously existed on the property, please describe how they were closed (e.g., removed, abandoned in place).

| Tank Size | Year Installed | Contents | Closure Method (if applicable) | Year Closed (if applicable) |
|-----------|----------------|----------|--------------------------------|-----------------------------|
| | | | | |
| | | | | |
| | | | | |

14. Fill Pipes/Vent Pipes/Access Ways: Do fill pipes, vent pipes, or access ways indicating the presence of underground storage tanks currently exist on the property?

Yes No Unknown

Have fill pipes or vent pipes, which may indicate the presence of an underground storage tank, been removed from the property?

Yes No Unknown

15. Floor Drains: Are floor drains stained with anything other than water or do they emit foul odors on the property?

Yes No Unknown

16. Private Well/Non-Public Water Source: Is the property served by a private well or other non-public water source?

Yes No Unknown

If yes, please describe source

Groundwater wells for agriculture irrigation

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

Are contaminants known to exist in any private well or non-public water system serving the property?

Yes No Unknown

If yes, please describe

17. Wastewater: Does the property discharge wastewater, other than domestic wastewater or stormwater, into the sewer?

Yes No Unknown

If yes, please describe

Does a neighboring property discharge wastewater, other than stormwater, onto the property?

Yes No Unknown

If yes, please describe

Other than permission for domestic hookup, has any type of permit(s) for wastewater discharge been issued to the property?

Yes No Unknown

If yes, please describe

18. Septic Tank: Does a septic tank exist, or has one existed previously at the property?

Yes (currently exists) Yes (previously existed, was removed) No Unknown

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

19. Cesspools/Cisterns: Do cesspools or cisterns currently exist on the property?

Yes (cesspool) Yes (cistern) No Unknown

Have cesspools or cisterns previously existed on the property?

Yes (cesspool) Yes (cistern) No Unknown

20. Transformer/Capacitor: Is there a transformer or capacitor on the property?

Yes No Unknown

If yes, is it known to contain PCBs?

Yes No Unknown The transformers belong to PG&E.

21. Hydraulic Equipment: Is there any hydraulic equipment such as automobile lifts or elevators on the property?

Yes No Unknown

If yes, please describe type and number of equipment:

If yes, is the hydraulic oil known to contain PCBs?

Yes No Unknown

22. Surveys: Has an asbestos and/or lead based paint survey been conducted at the property?

Yes No Unknown

If yes, when was the survey(s) conducted? Please provide copies of the reports if available.

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

23. Pesticides: Have pesticides, herbicides, or insecticides been applied on the property?

Yes No Unknown

If yes, describe type and when they were used:

Herbicides and fungicides ~~have~~ were applied when the property was planted to vineyard. These were last applied in Spring of 2022.

24. Environmental Cleanups: Are you aware of any environmental cleanups/remediation that have occurred on the property?

Yes No Unknown

25. Notice of Violation: Have notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products associated with activities conducted on the property been issued?

Yes No Unknown

26. Documents: Has the property been included in any of the following documents? (Please provide any of the available documents.)

| Document | Yes | No | Unknown |
|--|--------------------------|-------------------------------------|--------------------------|
| Phase I or II Environmental Assessment Reports | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Environmental Compliance Audits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Environmental Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Underground or Aboveground Tank Registrations | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Underground Injection System Registrations | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Health & Safety Plan / Safety Data Sheets | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Community Right-to-Know Plan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Spill Prevention, Control, and Countermeasure Plan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Hazardous Materials Business Plan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sampling, Remediation, or Risk Assessment Reports | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Hazardous Waste Generator Manifests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Geotechnical Reports | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

PROPERTY BACKGROUND INFORMATION QUESTIONNAIRE FOR
PROPERTY OWNER/OCCUPANT/REPRESENTATIVE

27. Environmental Assessments: Are there any other environmental assessments that identified hazardous substances or petroleum products on the property?

Yes No Unknown

If yes, please describe:

28. Litigation/Administrative Proceedings: Is there any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances or petroleum products associated with the property?

Yes No Unknown

If yes, please describe:

29. Additional Knowledge: Are you aware of any other information (not provided above) about the property related to a releases or potential release of hazardous substances or petroleum products?

Yes No Unknown

If yes, please describe:

Rosemary Lascoity
Signature

1/19/24
Date

Rosemary Lascoity Owner Occupant Owner Representative
Name (Printed)

Property Address: Ave 7 and Firebaugh Blvd
Madera County, California 93637

Appendix E

Local Agency Records

Cheyenne Graves

From: Brandon Nishimoto <Brandon.Nishimoto@maderacounty.com>
Sent: Wednesday, January 17, 2024 12:02 PM
To: Cheyenne Graves
Subject: Records Request

Good morning, I am the MCEHD employee assigned to your records request for APNS: 042-082-006, 042-081-004, 041-222-005, and 041-231-014. There are no records related to Hazmat material. Please let me know if there is anything else I can help you with.



Brandon Nishimoto | Office Assistant I

COMMUNITY AND ECONOMIC DEVELOPMENT, ENVIRONMENTAL HEALTH

200 W. 4th Street, Suite 3100, Madera, CA 93637



Cheyenne Graves

From: Nisha K. Dale <ndale@lozanosmith.com>
Sent: Tuesday, January 16, 2024 6:05 PM
To: Cheyenne Graves
Subject: (1424) Building Permits

Good evening Ms. Graves,

We are writing on behalf of the County of Madera in regard to your Public Records Act request seeking building permits. The County is processing your request and anticipates that the records you are seeking will be available for disclosure on January 23, 2024, provided that we will timely notify you if this is not possible.

Accordingly, we will contact you on that day to provide a formal response along with responsive records.

Please contact me if you have any questions.

Sincerely,

Nisha



**Lozano
Smith**
ATTORNEYS AT LAW

Nisha K. Dale | Attorney At Law

7404 North Spalding Avenue, Fresno, CA 93720-3370

T: 559.431.5600 F: 559.261.9366

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MadCoServices

+ New Issue

View Knowledgebase

View -

Cheyenne Graves -

2 Requests

Issue # 42037

01/02/2024

Open

I would like to request all records from the Madera

Issue # 42034

01/02/2024

Open

I would like to request all records from the Madera

Issue #: 42037 - Public Records Request

Entered on: 01/02/2024 3:15 PM

Status: Open

Date Due: 01/16/2024

I would like to request all records from the Madera County Public Works for the following APNs: 042-082-006, 042-081-004, 041-222-005, and 041-231-014 regarding information about building permits for the APNs. Please let me know if there is any further information needed to facilitate this request.

Additional comment for issue

X

ADD COMMENT



Powered by GO GOV

Cheyenne Graves

From: Samantha Chasteler <Samantha.Chasteler@maderacounty.com>
Sent: Thursday, December 21, 2023 4:28 PM
To: Cheyenne Graves
Cc: Tammy Dodson
Subject: RE: Records Requests for APNs :042-082-006, 042-081-004, 041-222-005, and 041-231-014

Okay, great! Tammy, our Program Assistant, will be able to send over that information to you.

Thanks,
Sam



Samantha Chasteler | Agricultural & Standards Inspector I

AGRICULTURAL COMMISSIONER'S OFFICE

145 Tozer Street, Suite 101, Madera, CA 93637

Office: (559) 675-7876



From: Cheyenne Graves <cgraves@dudek.com>
Sent: Thursday, December 21, 2023 4:19 PM
To: Samantha Chasteler <Samantha.Chasteler@maderacounty.com>
Subject: RE: Records Requests for APNs :042-082-006, 042-081-004, 041-222-005, and 041-231-014

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Hi Samantha,

I would like how ever far back we can request too, more recent is definitely the more important information though.

Cheyenne

From: Samantha Chasteler <Samantha.Chasteler@maderacounty.com>
Sent: Thursday, December 21, 2023 4:18 PM
To: Cheyenne Graves <cgraves@dudek.com>
Subject: RE: Records Requests for APNs :042-082-006, 042-081-004, 041-222-005, and 041-231-014

Hello Cheyenne,

How far back would you like the information?



Samantha Chasteler | Agricultural & Standards Inspector I

AGRICULTURAL COMMISSIONER'S OFFICE

145 Tozer Street, Suite 101, Madera, CA 93637

Office: (559) 675-7876



From: Cheyenne Graves <cgraves@dudek.com>

Sent: Thursday, December 21, 2023 4:09 PM

To: MaderaPUE <MaderaPUE@maderacounty.com>

Subject: Records Requests for APNs :042-082-006, 042-081-004, 041-222-005, and 041-231-014

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Good Afternoon,

I would like to request all records for the following APNs: 042-082-006, 042-081-004, 041-222-005, and 041-231-014 regarding information on the use and storage of pesticides and herbicides. Please let me know if there is any further information needed to facilitate this request.

Best regards,

Cheyenne Graves

Environmental Engineer



750 Second Street, Encinitas, CA 92024

O: 760.479.4119 C: 760.492.0868

www.dudek.com

Cheyenne Graves

From: Tammy Dodson <tdodson@maderacounty.com>
Sent: Friday, December 22, 2023 9:42 AM
To: Cheyenne Graves
Subject: Graves Cheyenne 12-22-23
Attachments: graves cheyenne 12-22-23.xlsx

Per your request a computer search was conducted for APNs: 042-042-081-004,041-222-005, and 041-231-014 which translates to site id names Aliso1, Aliso2 and Aliso3 on permit number 2090929 in our system. Attached are the results of that search. If you have any questions, please give me a call. We will be closed for the holidays returning 12/27/23.



Tammy Dodson | Program Assistant II

AGRICULTURAL COMMISSIONER'S OFFICE

145 Tozer Street, Suite 101, Madera, CA 93638

Office: (559) 675-7876



| Permit # | Permittee | Site ID | Site Location | Meridian | Township | Range | Section | Application Date | Application Time | Commodity | EPA Reg No | Product Name | Quantity Used | Quantity Units | Treated Amount | Treated Units | Appl. Method | Fume Code | Applicator Name |
|----------|----------------|---------|-------------------------------|----------|----------|-------|---------|------------------|------------------|-------------|-------------------|-----------------------|---------------|----------------|----------------|---------------|--------------|-----------|-----------------|
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/30/2018 | 5:00 PM | GRAPE, WINE | 2935-48-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/3/2018 | 4:00 PM | GRAPE, WINE | 524-549-AA | ROUNDUP POWERMAX HER | 19,000 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/3/2018 | 4:00 PM | GRAPE, WINE | 264-829-ZA | RELY 280 HERBICIDE | 19,000 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/5/2018 | 10:30 AM | GRAPE, WINE | 100-1262-AA-2935 | LAGUNA | 2,900 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/6/2018 | 10:30 AM | GRAPE, WINE | 66222-226-AA | ABBA ULTRA | 2,620 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/5/2018 | 10:30 AM | GRAPE, WINE | 2935-92-2A | SPRAY SULFUR | 165,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/13/2018 | 9:40 PM | GRAPE, WINE | 2935-92-2A | SPRAY SULFUR | 210,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/13/2018 | 9:40 PM | GRAPE, WINE | 7969-154-AA-67760 | SOVRAN(R) FUNGICIDE | 12,600 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/13/2018 | 9:40 PM | GRAPE, WINE | 2935-50169-AA | IN-PLACE | 0,980 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/13/2018 | 9:40 PM | GRAPE, WINE | 2935-50142-AA | R-11(R) SPREADER-ACT | 42,000 | ACRES | Ground | | CFS LP | | |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/2/2018 | 9:40 PM | GRAPE, WINE | 2935-92-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/18/2018 | 4:00 AM | GRAPE, WINE | 2935-48-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/18/2018 | 4:00 PM | GRAPE, WINE | 2935-48-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/21/2018 | 9:25 AM | GRAPE, WINE | 2935-92-2A | SPRAY SULFUR | 210,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/21/2018 | 9:25 AM | GRAPE, WINE | 62719-410-ZC | RALLY 40 WSP | 13,120 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/21/2018 | 9:25 AM | GRAPE, WINE | 42750-110-AA | MACHO 2.0 FL | 1,050 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/21/2018 | 9:25 AM | GRAPE, WINE | 66222-226-AA | ABBA ULTRA | 2,620 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/21/2018 | 9:25 AM | GRAPE, WINE | 2935-50203-AA | SYL-TAC-EA | 0,650 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/8/2018 | 12:00 PM | GRAPE, WINE | 2935-48-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/27/2018 | 4:00 PM | GRAPE, WINE | 2935-48-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 7/8/2018 | 6:00 AM | GRAPE, WINE | 2935-48-2A | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 8/17/2018 | 5:30 AM | GRAPE, WINE | 2935-50152-AA | TRI-FOLI(R) | 1,900 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 8/17/2018 | 5:30 AM | GRAPE, WINE | 400-503-ZB | ACRAMITE SOWS | 42,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 8/17/2018 | 5:30 AM | GRAPE, WINE | 2935-50203-AA | SYL-TAC-EA | 1,480 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/4/2019 | 7:00 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 126,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/4/2019 | 7:00 AM | GRAPE, WINE | 80289-8-AA | METTLE 125 ME | 1,910 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/4/2019 | 7:00 AM | GRAPE, WINE | 5481-621-AA | ABBA ULTRA | 2,620 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 3/22/2019 | 8:00 PM | GRAPE, WINE | 35484-4-AA | AMERICOIP 40 DF | 63,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 3/22/2019 | 8:00 PM | GRAPE, WINE | 19719-674-AA | DREXEL SULFUR 90 WDG | 63,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/2/2019 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/10/2019 | 4:00 PM | GRAPE, WINE | 524-549-AA | ROUNDUP POWERMAX HER | 19,000 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/10/2019 | 4:00 PM | GRAPE, WINE | 264-829-ZA | RELY 280 HERBICIDE | 19,000 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/10/2019 | 4:00 PM | GRAPE, WINE | 62719-424-AA | GOAL 2XL | 2,620 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 7969-154-AA-279 | SOVRAN | 12,600 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 2935-92-2A | SPRAY SULFUR | 210,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 5905-50083-AA | COHERE (CA) | 0,660 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 5905-50108-AA | FOAMUSTER 10 | 0,160 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 4/25/2019 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 5/19/2019 | 1:30 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 126,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 62719-410-ZC | RALLY 40 WSP | 13,120 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 34704-931-AA | WRANGLER | 0,530 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 34704-1078-ZA | WETTING CLEARFORM (CA | 5,200 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 34704-50034-AA | ACTIVATOR 9 | 1,320 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 7/8/2019 | 2:40 AM | GRAPE, WINE | 59639-138-AA | ZEAL(R) WDG MITICIDE | 2,430 | Pounds | 13,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 7/8/2019 | 2:40 AM | GRAPE, WINE | 34704-50055-AA | SPREADER 90 | 0,570 | Gallon | 13,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 7/8/2019 | 6:00 AM | GRAPE, WINE | 34704-50049-AA | ACRAMITE SOWS | 1,700 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 7/26/2019 | 6:00 AM | GRAPE, WINE | 400-514-ZD | VIGILANT 45C | 5,250 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12, W/S/IR BYP/A | M | 12S | 15E | 22 | 6/1/2019 | 7:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/19/2020 | 7:00 PM | GRAPE, WINE | 34704-50035-AA | LI 700 | 0,650 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/19/2020 | 7:00 PM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 84,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/16/2020 | 7:00 PM | GRAPE, WINE | 7969-154-AA-279 | SOVRAN FUNGICIDE | 10,500 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 5/2/2020 | 12:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 5/20/2020 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 5/20/2020 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 546,000 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 5/29/2020 | 3:00 PM | GRAPE, WINE | 34704-1080-AA | FORFEIT 280 | 26,250 | Pounds | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/19/2022 | 1:45 PM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 126,000 | Pounds | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/19/2022 | 1:45 PM | GRAPE, WINE | 80289-8-AA-10163 | METTLE 125 ME | 1,640 | Gallon | 42,000 | ACRES | Ground | | CFS LP |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/8/2022 | 4:00 PM | GRAPE, WINE | 34704-50055-AA | WEATHER GARD COMPLETE | 3,260 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | ALISO 1 | 1/4 MI E/ RD 12 & N/AVE 8 | M | 12S | 15E | 22 | 4/8/2022 | 4:00 PM | GRAPE, WINE | 279-3242-AA | SHARK VE | 0,650 | Gallon | 42,000 | ACRES | Ground | | Grower Applied |
| 20090929 | J. M. LASSOITY | | | | | | | | | | | | | | | | | | |

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| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/4/2019 | 7:00 AM | GRAPE, WINE | 5481-621-AA | ABBA ULTRA | 21,1200 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 3/22/2019 | 6:00 PM | GRAPE, WINE | 35484-4-AA | AMERICOP 40 DF | 507,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/15/2019 | 12:00 PM | GRAPE, WINE | 1973-671-AA | DIXEL SULFUR 60 WDG | 507,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/25/2019 | 12:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/10/2019 | 4:00 PM | GRAPE, WINE | 524-549-AA | ROUNDUP POWERMAX HER | 153,1500 | Gallon | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/10/2019 | 4:00 PM | GRAPE, WINE | 264-829-ZA | RELY 280 HERBICIDE | 153,1500 | Gallon | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/10/2019 | 4:00 PM | GRAPE, WINE | 62719-421-AA | SOAL 2X | 21,1200 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 7969-154-AA-270 | SOVRAN | 101,4000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 2935-92-ZA | SPRAY SULFUR | 1,690,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 5905-50083-AA | COHERE (CA) | 5,2800 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 5905-50108-AA | FOAMBUSTER 10 | 1,3200 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/15/2019 | 6:50 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/15/2019 | 1:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 1,014,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 62719-410-ZC | RALLY 40 WSP | 105,6200 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 34704-931-AA | WRANGLER | 4,2200 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 34704-1078-ZA | REAPER CLEARFORM (CA | 42,2500 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/25/2019 | 1:30 AM | GRAPE, WINE | 34704-50034-AA | ACTIVATOR 90 | 10,6500 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 7/8/2019 | 2:40 AM | GRAPE, WINE | 5905-50108-AA | FOAMBUSTER 10 | 31,1200 | Pounds | 166,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 7/8/2019 | 2:40 AM | GRAPE, WINE | 34704-50055-AA | SPREADER 90 | 7,3200 | Gallon | 166,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 7/26/2019 | 6:00 AM | GRAPE, WINE | 34704-50049-AA | ACIDIPHACTANT | 0,1900 | Gallon | 3,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 7/26/2019 | 6:00 AM | GRAPE, WINE | 400-514-ZD | VIGILANT 45C | 0,3700 | Gallon | 3,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/1/2019 | 7:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/16/2020 | 7:00 PM | GRAPE, WINE | 34704-50035-AA | LI 700 | 5,2400 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/16/2020 | 7:00 PM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 676,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/16/2020 | 7:00 PM | GRAPE, WINE | 7969-154-AA-270 | SOVRAN FUNGICIDE | 84,5000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/2/2020 | 12:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/2/2020 | 12:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/28/2020 | 12:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/29/2020 | 3:00 PM | GRAPE, WINE | 34704-1080-AA | FORFEIT 280 | 211,2500 | Gallon | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/19/2022 | 1:45 PM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 1,014,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/19/2022 | 1:45 PM | GRAPE, WINE | 80289-8-AA-10163 | METTLE 125 ME | 6,9800 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/8/2022 | 4:00 PM | GRAPE, WINE | 34704-50055-AA | WEATHER GARD COMPLETE | 26,4000 | Gallon | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/8/2022 | 4:00 PM | GRAPE, WINE | 71711-25-ZA | VENUE | 10,5600 | Gallon | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/8/2022 | 4:00 PM | GRAPE, WINE | 279-3242-AA | SHARK EW | 5,2800 | Gallon | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/8/2021 | 4:00 AM | GRAPE, WINE | 10163-337-ZA | ONAGER OPTEK MITTICIDE | 63,3600 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/13/2021 | 9:40 AM | GRAPE, WINE | 2935-92-AA | WRANGLER INSECTICIDE | 12,2000 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/13/2021 | 9:40 AM | GRAPE, WINE | 80289-8-AA-10163 | METTLE 125 ME | 13,2000 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 676,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 34704-931-AA | WRANGLER INSECTICIDE | 4,2200 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 66222-226-AA | ABBA ULTRA MITTICIDE/INSECTICIDE | 21,1900 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 34704-50055-AA | SPREADER 90 | 10,6500 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/21/2021 | 9:00 AM | GRAPE, WINE | 34704-50035-AA | LI 700 | 5,2400 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/21/2021 | 9:00 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 676,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/21/2021 | 9:00 AM | GRAPE, WINE | 34704-50055-AA | SPREADER 90 | 10,6500 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/10/2022 | 4:00 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 1,014,0000 | Pounds | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/10/2022 | 4:00 AM | GRAPE, WINE | 34704-931-AA | WRANGLER INSECTICIDE | 4,2200 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/10/2022 | 4:00 AM | GRAPE, WINE | 33996-26-AA-10163 | WRANGLER FUNGICIDE | 17,4400 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 6/10/2022 | 4:00 AM | GRAPE, WINE | 34704-50037-AA | PHASE | 25,3500 | Gallon | 338,0000 | ACRES | Ground | CFS LP |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/8/2022 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 5/18/2022 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/30/2021 | 8:00 AM | GRAPE, WINE | 2935-48-AA-34704 | LOWLAND DUSTING SUL | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 2 | ERD 12, S/FIREBAUGH BLVC | M | 12S | 15E | 27 | 4/30/2021 | 8:00 AM | GRAPE, WINE | 2935-48-AA-34704 | LOWLAND DUSTING SUL | 4,394,0000 | Pounds | 338,0000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 4/30/2018 | 5:00 PM | GRAPE, WINE | 2935-48-ZA | DUSTING SULFUR | 2,323,1000 | Pounds | 178,7000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/3/2018 | 4:00 PM | GRAPE, WINE | 524-549-AA | ROUNDUP POWERMAX HER | 80,9700 | Gallon | 178,7000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 4/30/2018 | 4:00 PM | GRAPE, WINE | 264-829-ZA | RELY 280 HERBICIDE | 80,9700 | Gallon | 178,7000 | ACRES | Ground | Grower Applied |
| 2009029 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/6/2018 | 10:30 AM | GRAPE, WINE | 100-1262-AA-2935 | LAGUNA | 9,7700 | Gallon | 178,7000 | | | |

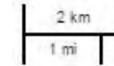
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|---------|----------------|---------|-------------------------|---|-----|-----|----|-----------|----------|-------------|-------------------|---------------------------------|------------|--------|----------|-------|--------|----------------|
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/22/2021 | 7:00 AM | GRAPE, WINE | 5481-621-AA | ABBA ULTRA MITICIDE/INSECTICIDE | 11.1700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/22/2021 | 7:00 AM | GRAPE, WINE | 72662-50004-AA | VINTRE | 11.1700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 80289-8-AA-10163 | METTLE 125 ME | 6.9800 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 357.4000 | Pounds | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 34704-931-AA | WRANGLER INSECTICIDE | 2.2300 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 66222-226-AA | ABBA ULTRA MITICIDE/INSECTICIDE | 11.1700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/18/2020 | 10:30 AM | GRAPE, WINE | 34704-50055-AA | SPREADER 90 | 5.6300 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/4/2020 | 10:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 4/21/2021 | 9:00 AM | GRAPE, WINE | 34704-50035-AA | LI 700 | 2.7700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 4/21/2021 | 9:00 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 357.4000 | Pounds | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 4/21/2021 | 9:00 AM | GRAPE, WINE | 7969-154-AA-279 | SOVRAN FUNGICIDE | 44.6800 | Pounds | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 7/28/2021 | 11:00 AM | GRAPE, WINE | 34704-931-AA | WRANGLER INSECTICIDE | 1.0000 | Gallon | 80.0000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/9/2022 | 5:00 AM | GRAPE, WINE | 5481-621-AA | ABBA ULTRA MITICIDE/INSECTICIDE | 11.1700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/9/2022 | 5:00 AM | GRAPE, WINE | 33906-26-AA-10163 | QUINTEC FUNGICIDE | 9.2100 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/9/2022 | 5:00 AM | GRAPE, WINE | 34704-50037-AA | PHASE | 13.4000 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/1/2023 | 5:30 PM | GRAPE, WINE | 62569-4-ZA | ACIDCAL | 536.1000 | Pounds | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/1/2023 | 5:30 PM | GRAPE, WINE | 7969-154-AA | SOVRAN FUNGICIDE | 44.6800 | Pounds | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 12/7/2022 | 2:00 PM | GRAPE, WINE | 524-659-AA | ROUNDUP POWERMAX 3 HERBICIDE | 5,718.4000 | Ounce | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 12/7/2022 | 2:00 PM | GRAPE, WINE | 42750-19-ZA | ORCHARD STAR | 5,718.4000 | Ounce | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 12/7/2022 | 2:00 PM | GRAPE, WINE | 241-418-AA | PROWL 120 HERBICIDE | 714.8000 | Quart | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/6/2022 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/18/2022 | 4:00 PM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/12/2021 | 8:00 AM | GRAPE, WINE | 2935-48-AA-34704 | LOVELAND DUSTING SUL | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/21/2021 | 8:00 AM | GRAPE, WINE | 2935-48-AA-34704 | LOVELAND DUSTING SUL | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 4/30/2021 | 8:00 AM | GRAPE, WINE | 2935-48-AA-34704 | LOVELAND DUSTING SUL | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/27/2021 | 7:00 AM | GRAPE, WINE | 2935-48-AA-34704 | LOVELAND DUSTING SUL | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/28/2023 | 2:30 AM | GRAPE, WINE | 70506-187-AA | MICROTHIOL DISPERSS | 536.1000 | Pounds | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/28/2023 | 2:30 AM | GRAPE, WINE | 100-1476-AA | AFROVIA TOP FUNGICIDE | 17.6700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/28/2023 | 2:30 AM | GRAPE, WINE | 5481-621-AA | ABBA ULTRA MITICIDE/INSECTICIDE | 11.1700 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/28/2023 | 2:30 AM | GRAPE, WINE | 34704-50037-AA | PHASE | 16.7500 | Gallon | 178.7000 | ACRES | Ground | CFS LP |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/12/2023 | 3:00 PM | GRAPE, WINE | 524-659-AA | ROUNDUP POWERMAX 3 | 32.4900 | Gallon | 64.9800 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/12/2023 | 3:00 PM | GRAPE, WINE | 59639-221-AA | CHATEAU(R) EZ HERBIC | 3.0500 | Gallon | 64.9800 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 5/11/2023 | 8:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/1/2023 | 8:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/8/2023 | 8:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 6/14/2023 | 8:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |
| 2090929 | J. M. LASGOITY | ALISO 3 | BTW FIREBAUGH BLVD & AV | M | 12S | 15E | 28 | 7/9/2023 | 7:00 AM | GRAPE, WINE | 34704-1020-ZA | DUSTING SULFUR | 2,323.1000 | Pounds | 178.7000 | ACRES | Ground | Grower Applied |

NATIONAL PIPELINE MAPPING SYSTEM

Legend

— Gas Transmission Pipelines

— Hazardous Liquid Pipelines



Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

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Date Printed: Dec 29, 2023



Appendix F

Site Reconnaissance Photographs



Photo 1. Looking north from the southwestern corner of the subject property showing the access road from Avenue 7. Note the vineyards on the western portion of the subject property and the disced field to the east.



Photo 2. Photo showing the northern portion of the subject property and the adjoining substation. Note the water well on the subject property (left), utility poles, and Firebaugh Avenue.



Photo 3. Photograph showing the subject property and the tilled/disced fields.

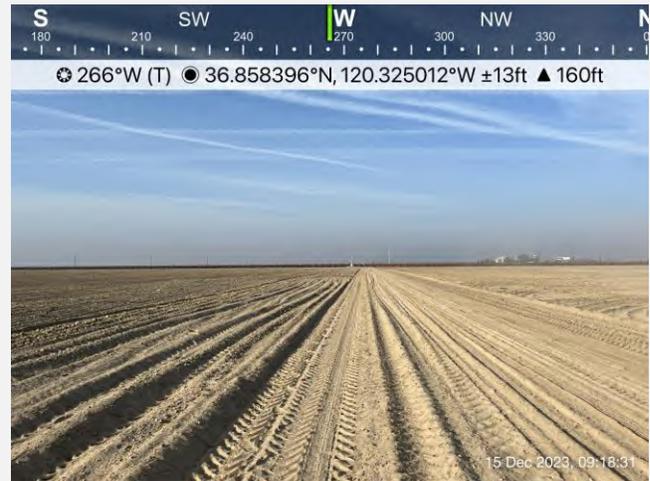


Photo 4. Looking west across the subject property. Note the vineyards in the background.



Photo 5. Water well and storage tank observed on the western portion of the subject property. Note the buckets of grease next to the tank. No evidence of staining was observed around the tank or buckets.



Photo 6. Water well observed on the southeastern corner of the subject property.



Photo 7. Photo showing irrigation water delivery systems on the eastern portion of the subject property. Note the soil disturbance.



Photo 8. Photo showing irrigation water delivery systems on the western portion of the subject property.



Photo 9. Looking northeast at the northern-adjointing Firebaugh Avenue, substation (left), and undeveloped land (right).



Photo 10. Photo showing the southern-adjointing Avenue 7 followed by disced fields (background).



Photo 11. Photo showing the eastern-adjointing disced fields.

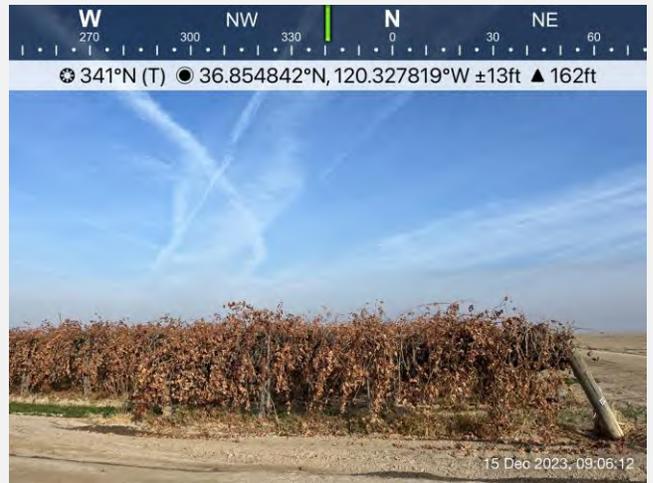


Photo 12. Photo showing the western-adjointing fallow vineyards.



Photo 13. Photo showing litter located along the southern boundary of the subject property.



Photo 14. Photo showing litter located along the southern boundary of the subject property.



Photo 15. Looking east along Avenue 7 showing markings for a buried natural gas pipeline.

Appendix G

Historical Aerial Photographs



Roberts Phase I ESA

No Address

Madera, CA 93637

Inquiry Number: 7518907.8

December 14, 2023

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

12/14/23

Site Name:

Roberts Phase I ESA
No Address
Madera, CA 93637
EDR Inquiry # 7518907.8

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Susan Smith



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|--------------|-----------------------------------|---------------|
| 2020 | 1"=750' | Flight Year: 2020 | USDA/NAIP |
| 2016 | 1"=750' | Flight Year: 2016 | USDA/NAIP |
| 2012 | 1"=750' | Flight Year: 2012 | USDA/NAIP |
| 2009 | 1"=750' | Flight Year: 2009 | USDA/NAIP |
| 2006 | 1"=750' | Flight Year: 2006 | USDA/NAIP |
| 1998 | 1"=750' | Acquisition Date: August 18, 1998 | USGS/DOQQ |
| 1981 | 1"=750' | Flight Date: August 02, 1981 | USDA |
| 1978 | 1"=750' | Flight Date: July 15, 1978 | USGS |
| 1962 | 1"=750' | Flight Date: August 09, 1962 | USGS |
| 1960 | 1"=750' | Flight Date: April 10, 1960 | USGS |
| 1950 | 1"=750' | Flight Date: February 11, 1950 | USDA |
| 1946 | 1"=750' | Flight Date: April 27, 1946 | USGS |
| 1937 | 1"=750' | Flight Date: October 08, 1937 | USDA |

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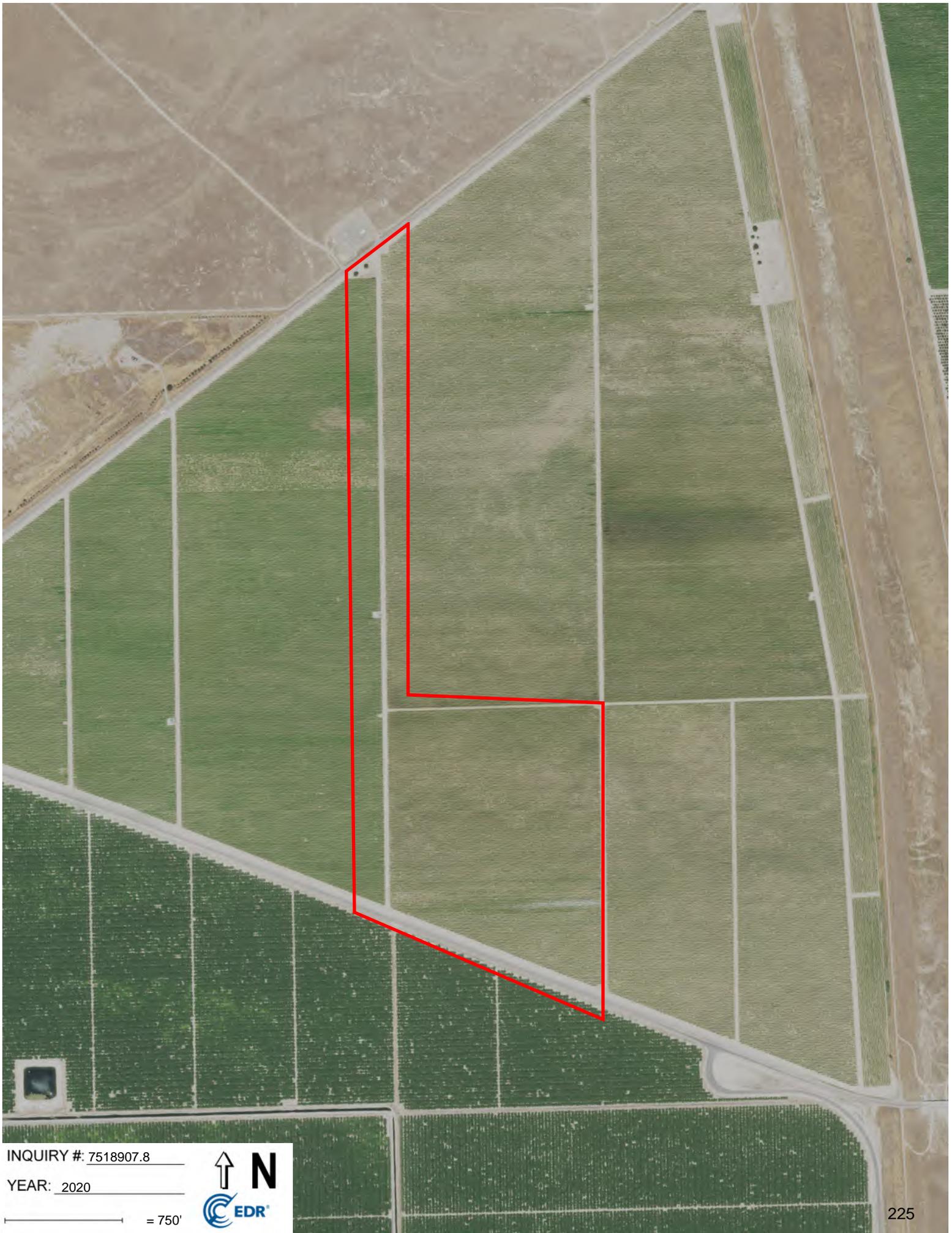
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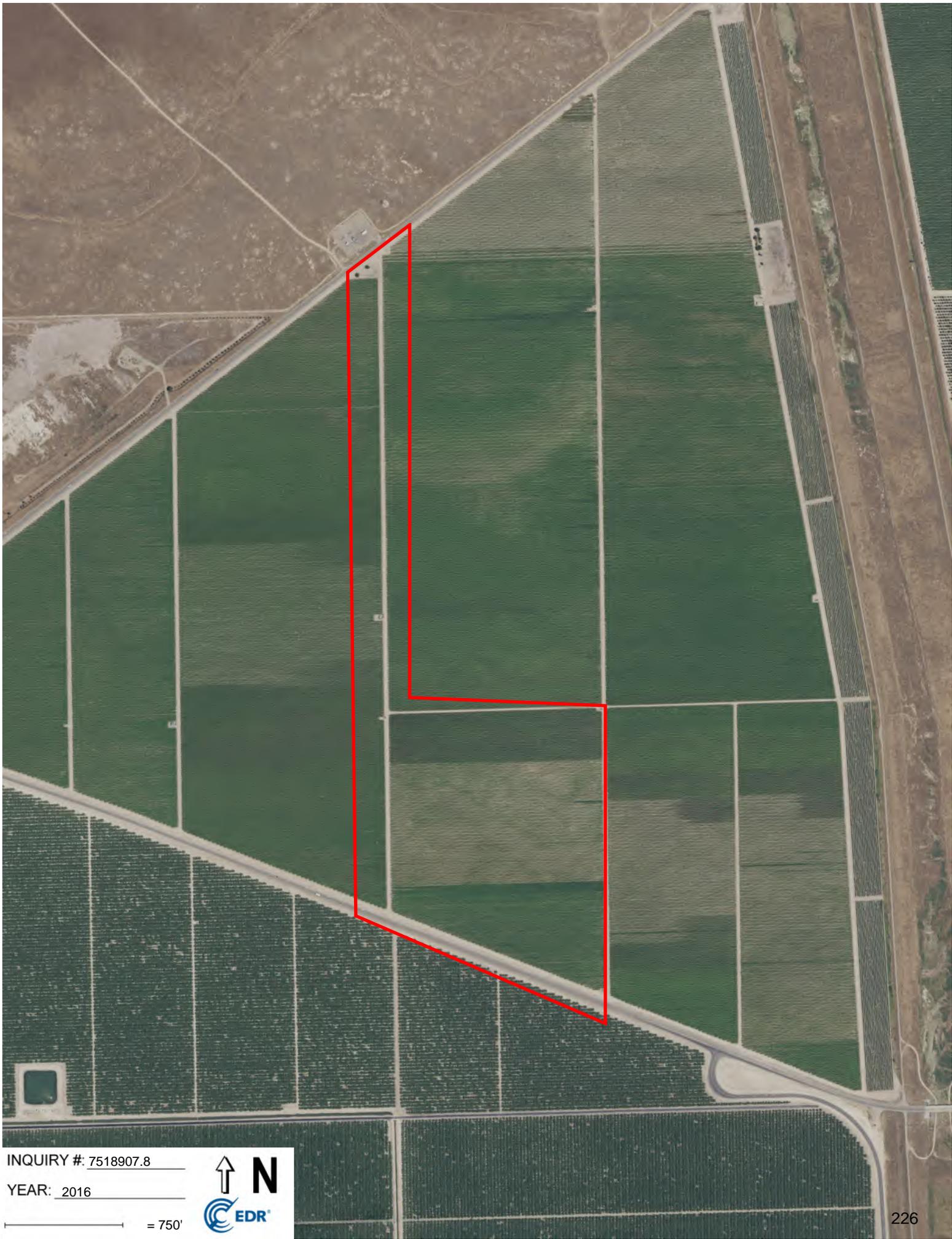


INQUIRY #: 7518907.8

YEAR: 2020

— = 750'



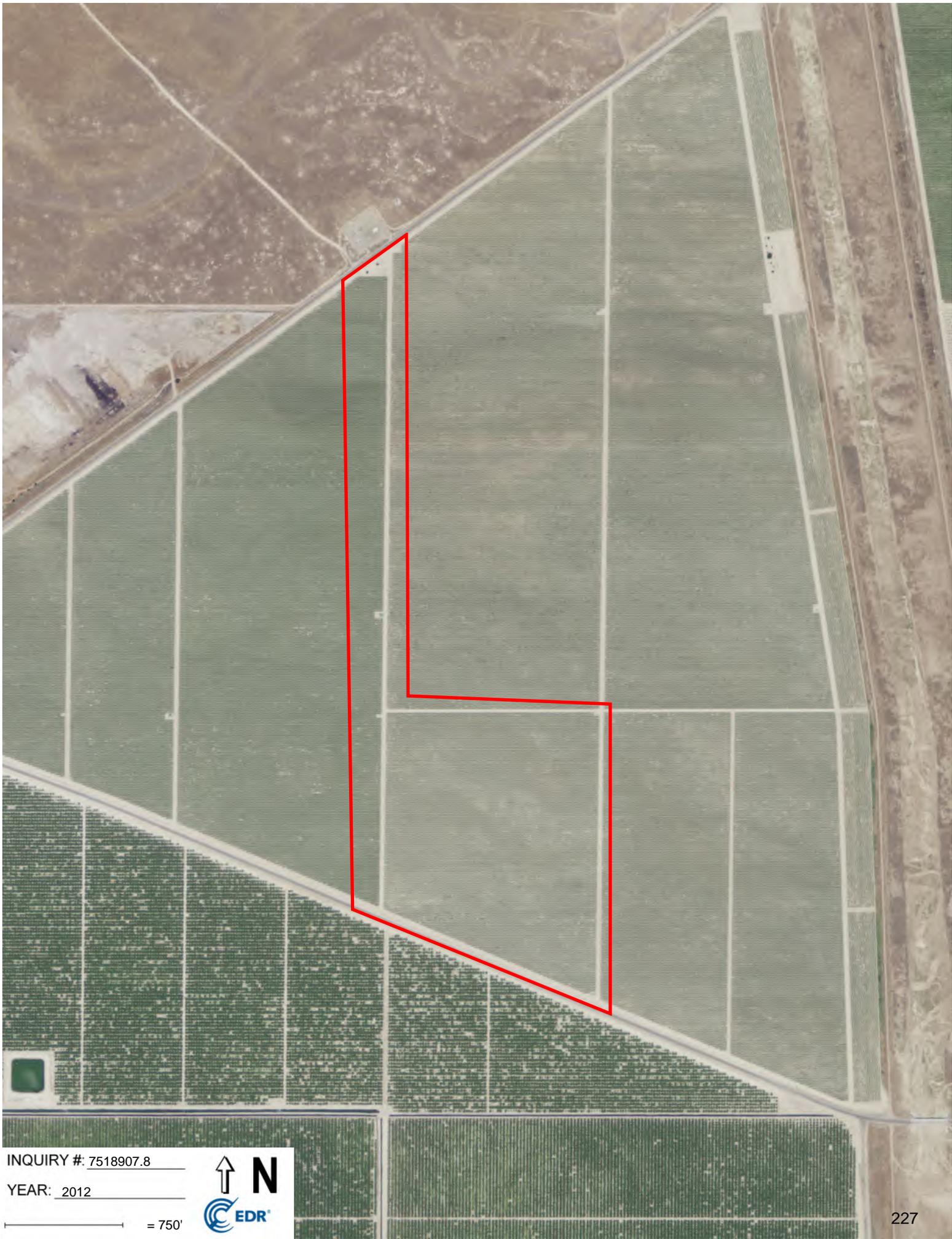


INQUIRY #: 7518907.8

YEAR: 2016

— = 750'



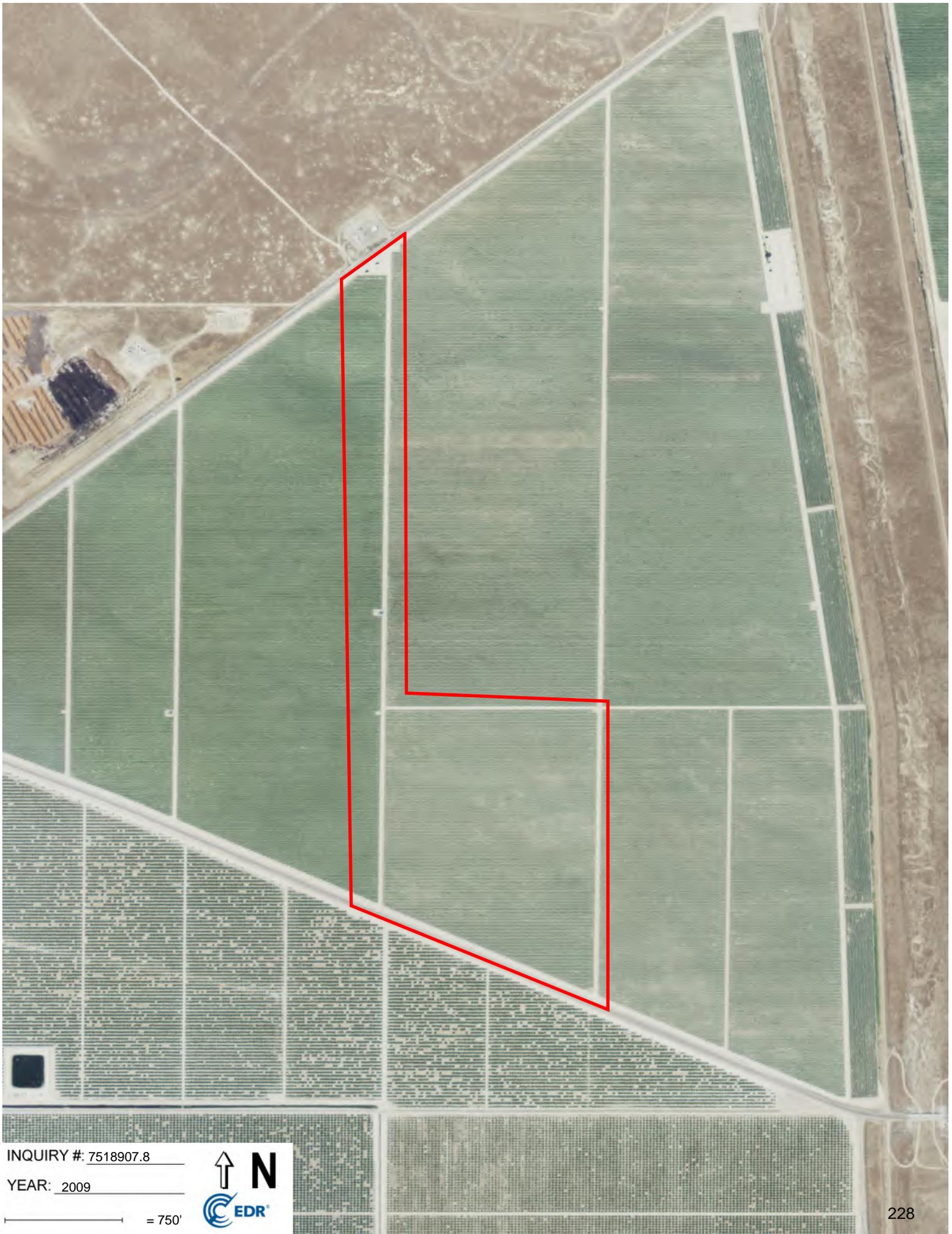


INQUIRY #: 7518907.8

YEAR: 2012

— = 750'





INQUIRY #: 7518907.8

YEAR: 2009

— = 750'





INQUIRY #: 7518907.8

YEAR: 2006

— = 750'





INQUIRY #: 7518907.8

YEAR: 1998

— = 750'



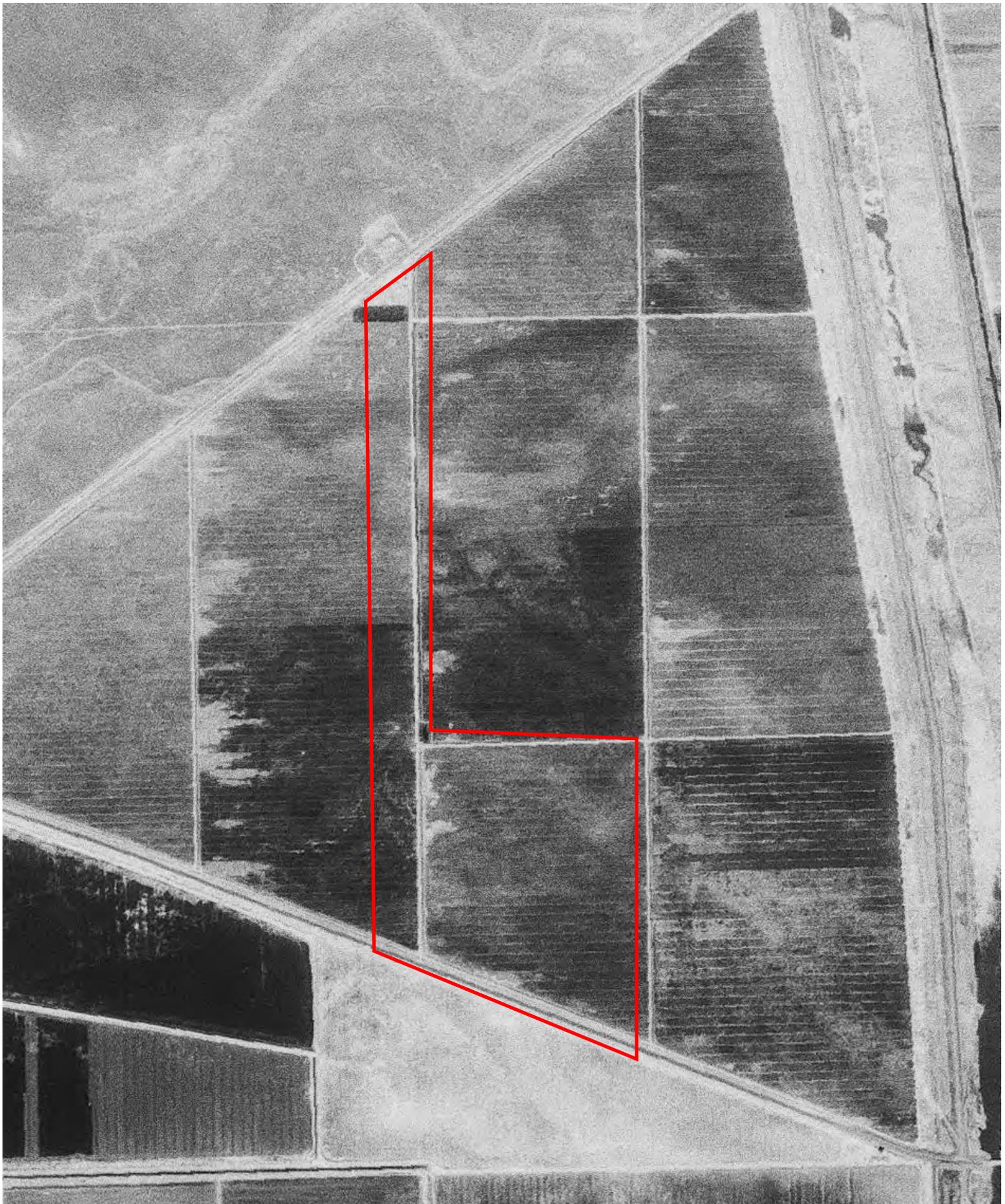


INQUIRY #: 7518907.8

YEAR: 1981

— = 750'





INQUIRY # 7518907.8

YEAR: 1978

— = 750'



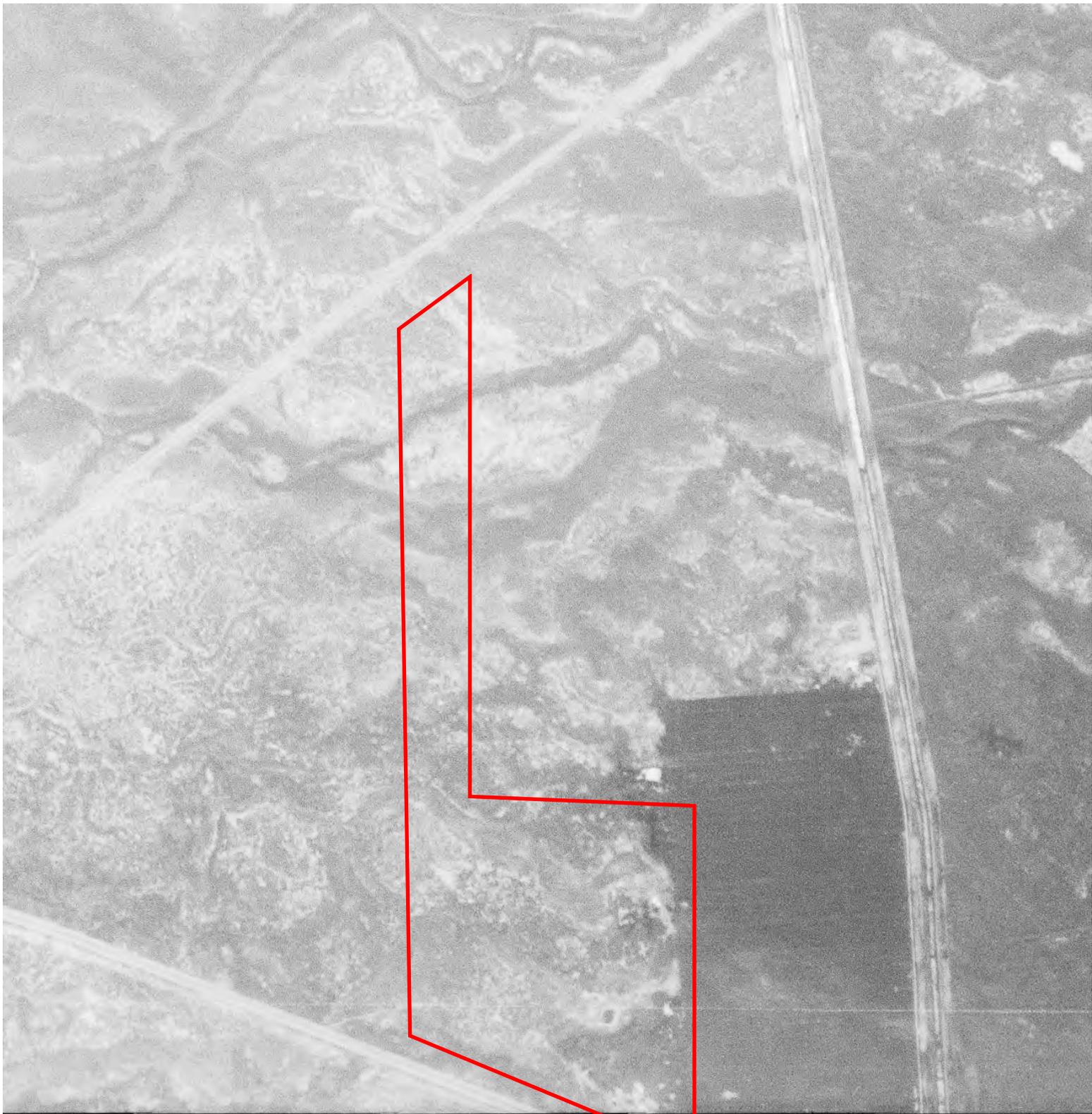


INQUIRY # 7518907.8

YEAR: 1962

— = 750'





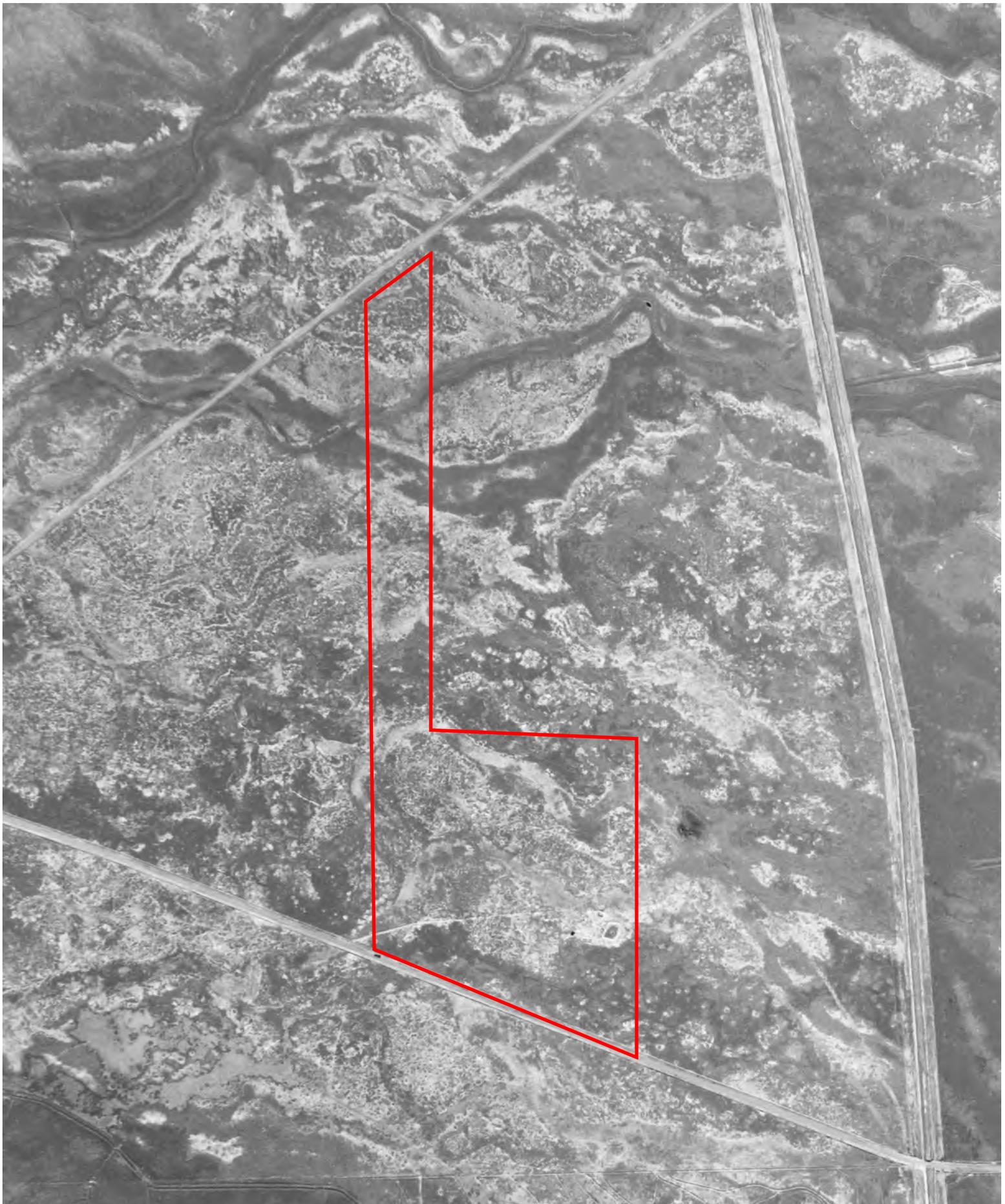
0 9 KODAK SAFETY FILM

INQUIRY #: 7518907.8

YEAR: 1960

— = 750'





INQUIRY # 7518907.8

YEAR: 1950

— = 750'



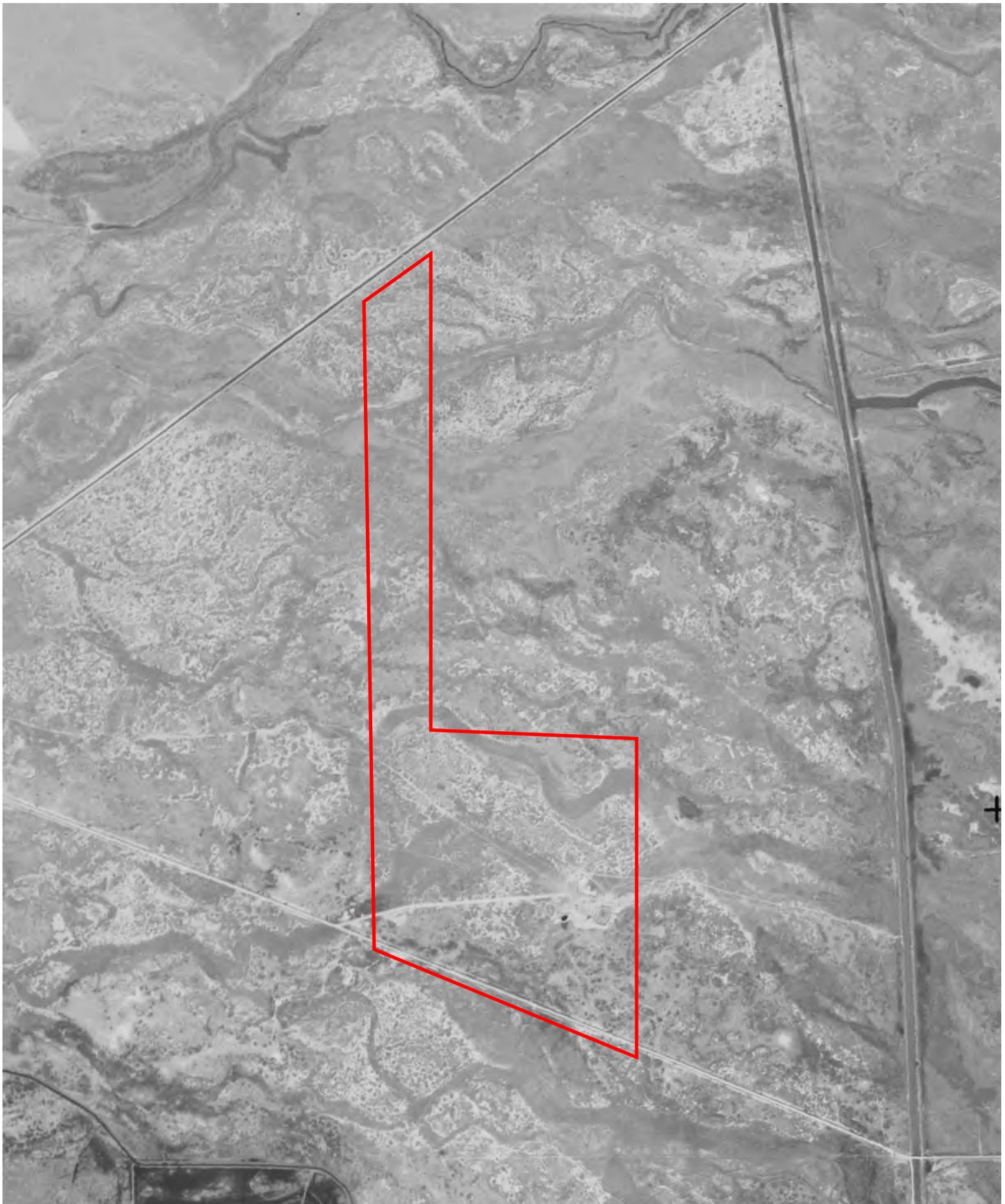


INQUIRY # 7518907.8

YEAR: 1946

— = 750'





INQUIRY #: 7518907.8

YEAR: 1937

— = 750'



Appendix H

Certified Sanborn Map Report

Roberts Phase I ESA

No Address

Madera, CA 93637

Inquiry Number: 7518907.3

December 12, 2023

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

12/12/23

Site Name:

Roberts Phase I ESA
No Address
Madera, CA 93637
EDR Inquiry # 7518907.3

Client Name:

DUDEK
605 Third Street
Encinitas, CA 92024
Contact: Susan Smith

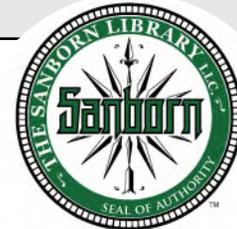


The Sanborn Library has been searched by EDR and maps covering the target property location as provided by DUDEK were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris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

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Certified Sanborn Results:

Certification # 4B96-4C2D-907F
PO # 14777.27
Project Roberts Alternative



Sanborn® Library search results

Certification #: 4B96-4C2D-907F

UNMAPPED PROPERTY

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

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

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

The Sanborn Library LLC Since 1866™

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Appendix I

City Directory Report

Roberts Phase I ESA

No Address
Madera, CA 93637

Inquiry Number: 7518907.5
December 15, 2023

The EDR-City Directory Image Report

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Target Street</u> | <u>Cross Street</u> | <u>Source</u> |
|-------------|--------------------------|-------------------------------------|------------------------------|
| 2020 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 2017 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 2014 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 2010 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 2005 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 2000 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 1995 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 1992 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Cole Information |
| 1985 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Haines Criss-Cross Directory |
| 1980 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Haines Criss-Cross Directory |
| 1975 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Haines Criss-Cross Directory |
| 1971 | <input type="checkbox"/> | <input type="checkbox"/> | POLK DIRECTORY CO |
| 1964 | <input type="checkbox"/> | <input type="checkbox"/> | POLK DIRECTORY CO |
| 1958 | <input type="checkbox"/> | <input type="checkbox"/> | POLK DIRECTORY CO |
| 1952 | <input type="checkbox"/> | <input type="checkbox"/> | POLK DIRECTORY CO |

FINDINGS

TARGET PROPERTY STREET

No Address
Madera, CA 93637

No Addresses Found

FINDINGS

CROSS STREETS

| <u>Year</u> | <u>CD Image</u> | <u>Source</u> |
|---------------------|-----------------|---------------------|
| <u>7 AVE</u> | | |
| 2020 | pg. A1 | EDR Digital Archive |

7TH 1 2 AVE

| | | |
|------|---------|------------------|
| 1995 | pg. A14 | Cole Information |
|------|---------|------------------|

AV 7

| | | |
|------|---------|------------------|
| 1995 | pg. A15 | Cole Information |
|------|---------|------------------|

AV 7 1 2

| | | |
|------|---------|------------------|
| 1995 | pg. A16 | Cole Information |
|------|---------|------------------|

AVENUE 7

| | | |
|------|---------|---------------------|
| 2020 | pg. A2 | EDR Digital Archive |
| 2017 | pg. A4 | Cole Information |
| 2014 | pg. A6 | Cole Information |
| 2010 | pg. A8 | Cole Information |
| 2005 | pg. A10 | Cole Information |
| 2000 | pg. A12 | Cole Information |
| 1992 | pg. A18 | Cole Information |

AVENUE 7 1 2

| | | |
|------|---------|------------------|
| 2017 | pg. A5 | Cole Information |
| 2014 | pg. A7 | Cole Information |
| 2010 | pg. A9 | Cole Information |
| 2005 | pg. A11 | Cole Information |
| 2000 | pg. A13 | Cole Information |

FINDINGS

| <u>Year</u> | <u>CD Image</u> | <u>Source</u> | |
|-------------|-----------------|------------------------------|-----------------------------|
| 1995 | pg. A17 | Cole Information | |
| 1992 | pg. A19 | Cole Information | |
| 1985 | pg. A20 | Haines Criss-Cross Directory | |
| 1985 | pg. A21 | Haines Criss-Cross Directory | |
| 1980 | pg. A23 | Haines Criss-Cross Directory | |
| 1980 | pg. A24 | Haines Criss-Cross Directory | |
| 1975 | pg. A26 | Haines Criss-Cross Directory | |
| 1975 | pg. A27 | Haines Criss-Cross Directory | |
| 1971 | - | POLK DIRECTORY CO | Street not listed in Source |
| 1964 | - | POLK DIRECTORY CO | Street not listed in Source |
| 1958 | - | POLK DIRECTORY CO | Street not listed in Source |
| 1952 | - | POLK DIRECTORY CO | Street not listed in Source |

AVENUE 7 1/2

| | | | |
|------|--------|---------------------|--|
| 2020 | pg. A3 | EDR Digital Archive | |
|------|--------|---------------------|--|

AVENUE 7(RIPPERDAN AVE)

| | | | |
|------|---------|------------------------------|-----------------------------|
| 1985 | pg. A22 | Haines Criss-Cross Directory | |
| 1980 | pg. A25 | Haines Criss-Cross Directory | |
| 1975 | pg. A28 | Haines Criss-Cross Directory | |
| 1971 | - | POLK DIRECTORY CO | Street not listed in Source |
| 1964 | - | POLK DIRECTORY CO | Street not listed in Source |
| 1958 | - | POLK DIRECTORY CO | Street not listed in Source |
| 1952 | - | POLK DIRECTORY CO | Street not listed in Source |

City Directory Images

7 AVE 2020

13991 O'NEILL AGRI MANAGEMENT
18681 BALDRIDGE FARMS INC

AVENUE 7 2020

13875 CHESTER ANDREW
15110 LUIS JOAQUIN
18681 SHARON SNYDER
18819 DAVID PLASKETT
21246 DAVID CHAVEZ
LILLY CHAVEZ
LIONILA CHAVEZ
RENEE CHAVEZ

AVENUE 7 1/2

2020

7516 CARMEN MADRIGAL
JOSE MADRIGAL
RANDAL KEE
7522 MARIA HERNANDEZ
RITA HERNANDEZ
RUDOLFO HERNANDEZ
TIFFANY HERNANDEZ
7526 GORDON COLE
KEVEN COLE
7546 ROSALBA VILLALOBOS
7562 ABEL GARCIA
BRENDA GONZALEZ
10663 AMBER LA SALLE
AUSTIN LA SALLE
JOANNE LASALLE
22404 MARCO CORTEZ
22470 DAMACIO NIETO
DENISE NIETO
JENNIE NIETO
23484 LEA MARTINELLI
LORIN MARTINELLI
23546 JOHNNIE SILVA
LORI SILVA
23775 PAUL EINERSON

AVENUE 7 2017

14515 KIRK, SETH A
14870 MONJARAS, CELSO
15110 JOAQUIN, OSCAR
16896 RUIZ, CASSIE L
18681 BALDRIDGE FARMS INC
 SNYDER, TED R
18819 PLASKETT, DAVID G
19463 COLLAZO, INOCENCIO
19640 LOZA, SANTOS
21246 CHAVEZ, DAVID R
24807 BASILA, ANTHONY J

AVENUE 7 1 2

2017

7136 FAVELA, ANTONIO
7516 SANDOVAL, LUPE
7522 HERNANDEZ, RUDY R
7526 COLE, KEVEN P
7546 VILLALOBOS, ROSALBA
7562 GARCIA, ABEL J
7576 CLARK, RONALD W
7594 MILLER, GARY L
10302 PARAMOUNT FARMING
10681 LASALLE, ROBERT
22204 WILMER, CATALINA
22234 PEREZ, VERONICA
22404 CORTEZ, MARTIN O
22470 NIETO, DAMACIO
23196 VILLASANA, PAULINA
23484 MARTINELLI, LORRIN M
23546 SILVA, JOHN T
23775 MYERS, CHRISTOPHER E

AVENUE 7 2014

13845 BRIGGS, CHARLES D
13875 ANDREW, CHESTER
14501 ANDREW, CHESTER P
14515 KIRK, SETH A
14848 FARMLAND MANAGEMENT SERVICES INC
OCCUPANT UNKNOWN,
14870 MONJARAS, CELSO
15110 FLORES, ANTONIO
16896 RUIZ, CASSIE L
18681 BALDRIDGE FARMS INC
SNYDER, TED R
18819 PLASKETT, DAVID G
18931 OCCUPANT UNKNOWN,
19463 OCCUPANT UNKNOWN,
19636 OCCUPANT UNKNOWN,
19640 LOZA, SANTOS
21246 CHAVEZ, DAVID R
22390 CERVANTES, HIPOLITO
22470 NIETO, JENNIE

AVENUE 7 1 2**2014**

| | |
|-------|----------------------|
| 7136 | FAVELA, ANTONIO |
| 7516 | SANDOVAL, LUPE |
| 7518 | OCCUPANT UNKNOWN, |
| 7520 | HERNANDEZ, RUDY |
| 7526 | COLE, KEVEN P |
| | OCCUPANT UNKNOWN, |
| 7546 | VILLALOBOS, ROSALBA |
| 7562 | GARCIA, ABEL J |
| 7576 | OCCUPANT UNKNOWN, |
| 7594 | VALLE, ROBERT |
| 10284 | REYES, JOSE G |
| 10302 | PARAMOUNT FARMING |
| 10306 | CATANIA, RO E |
| 10681 | LASALLE, ROBERT |
| 22204 | OCCUPANT UNKNOWN, |
| 22234 | PEREZ, VERONICA |
| 22354 | CRAFTON, BRYAN A |
| 22404 | RAMOS, SALVADOR |
| 22470 | NIETO, DAMACIO |
| 23196 | HYDEMAN, JINNIFER |
| 23484 | MARTINELLI, LORRIN M |
| 23546 | SILVA, JOHN T |
| 23775 | THORNTON, JEREMY A |

AVENUE 7 2010

5674 MAYA, RAUL
13845 BRIGGS, CHARLES D
13875 ANDREW, CHESTER
14501 ANDREW, CHESTER P
14515 OCCUPANT UNKNOWN,
14848 FARMLAND MANAGEMENT SVC
 OCCUPANT UNKNOWN,
14870 MONJARAS, CELSO
15110 FLORES, ANTONIO
16896 RUIZ, CASSIE L
18491 OCCUPANT UNKNOWN,
18681 SNYDER, TED R
18819 PLASKETT, DAVID G
18931 OCCUPANT UNKNOWN,
19403 INIGUEZ, ABEL
19439 OCCUPANT UNKNOWN,
19463 RODRIGUEZ, PATRICIA
19636 OCCUPANT UNKNOWN,
19640 LOZA, SANTOS
20865 OCCUPANT UNKNOWN,

AVENUE 7 1 2**2010**

7136 DAVIS, N F
7516 OCCUPANT UNKNOWN,
7518 LOPEZ, DAVID
7526 COLE, GORDON S
OCCUPANT UNKNOWN,
7546 VILLALOBOS, JESUS O
7562 GARCIA, JUAN L
7576 BERBER, JOSE A
7594 MILLER, MICHAEL J
10270 NEWHALL, LAND
10282 ROSAS, LIDIA
10284 OCCUPANT UNKNOWN,
10302 PARAMOUNT FARMING CO RANCH
10306 CATANIA, RO E
10681 LASALLE, ROBERT
22204 OCCUPANT UNKNOWN,
22224 GARCIA, MIGUEL
22234 OCHOA, ROBERTO V
22354 OCCUPANT UNKNOWN,
22404 RAMOS, SALVADOR
22470 NIETO, DAMACIO
23196 BALDRICA, JOSEPH W
23484 MARTINELLI, LORRIN M
23546 SILVA, JOHN T
23775 OCCUPANT UNKNOWN,

AVENUE 7 2005

13845 BRIGGS, CHARLES D
13875 ANDREW, CHESTER
13991 OCCUPANT UNKNOWN,
14501 ANDREW, CHESTER P
 CHESTER AND THERESA ANDREW
14848 FARMLAND MANAGEMENT SERVICE MMS
 OCCUPANT UNKNOWN,
14870 GOMEZ, JOSE
15110 JOAQUIN, LUIS
16896 RUIZ, CASSIE
18491 OCCUPANT UNKNOWN,
18681 BALDRIDGE FARMS INC
 SNYDER, TED R
18819 OCCUPANT UNKNOWN,
18931 OCCUPANT UNKNOWN,
19403 INIGUEZ, ABEL
19439 MICHELS, BILLIE J
19463 ESCOBAR, PATRICIA
19636 OCCUPANT UNKNOWN,
19640 LOZA, SANTOS
20865 LUPIAN, JOSE

AVENUE 7 1 2**2005**

| | |
|-------|---|
| 7136 | DAVIS, N F |
| 7516 | ESPINOZA, JOSE M |
| 7518 | LOPEZ, DAVID |
| 7520 | PULGARIN, JOSE A |
| 7526 | COLE, GORDON S |
| 7546 | VILLALOBOS, JESUS |
| 7576 | CLARK, RONALD W |
| 7594 | MILLER, GARY L |
| 10270 | NEWHALL, LAND |
| 10282 | ROSAS, JESSIE |
| 10284 | TRAYLOR, JEANNETTE |
| 10302 | NEWHALL LAND & FARMING CO |
| 10306 | CATANIA, RO E |
| 10681 | LASALLE, ROBERT |
| 22204 | CRAFTON, GEORGE |
| 22224 | DEALBA, JUANA |
| 22234 | OCHOA, ROBERTO V |
| 22404 | RAMOS, SALVADOR |
| 22470 | NIETO, DAMACIO |
| 23196 | BALDRICA, JOSEPH W |
| 23484 | MARTINELLI, LORRIN M WILLIAM MARTINELLI LORRIN |
| 23775 | BILLING, AVTAR S |

AVENUE 7 2000

10302 NEWHALL LAND & FARMING COMPANY
13845 BRIGGS, CHARLES
13875 ANDREW, CHESTER
14501 ANDREW, CHESTER
14515 OCCUPANT UNKNOWN,
14848 FARMLAND MANAGEMENT SERVICES
14870 ARIAS, JOSE
15110 JOAQUIN, LUIS
16896 RAMIREZ, ANTONIO
18491 AGTOPROF INCORPORATED
 OCCUPANT UNKNOWN,
18681 OCCUPANT UNKNOWN,
18750 WILLIAMS, FLOYD
19636 SEIBERT, KENNETH B
20865 OCCUPANT UNKNOWN,
21246 CHAVEZ, DAVID R

AVENUE 7 1 2 2000

7391 ALLEN, A D
D M A RANCHES
DANIEL DOYLE D DANIEL TOWLE & OUTFLEET ACCTNCY COMPANY
MARY ALLEN'S COUNTRY COLORS

7526 ROWE, BRUCE A

7562 ROWE, CHERYL

7576 CLARK, RONALD W

7594 ALANIZ, RICARDO

10270 OCCUPANT UNKNOWN,

10278 HIDALGO, ARTEMIO

10284 TRAYLOR, J

10306 CATANIA, ROY

10342 MILLER, DON
MOLINA, ISABEL

23484 MARTINELLI, LEA

7TH 1 2 AVE

1995

7391 ALLEN, A D
7576 OCCUPANT UNKNOWNN
7594 MILLER, GARY L
10270 HIDALGO, ARTEMIO
10276 OCCUPANT UNKNOWNN
10278 OCCUPANT UNKNOWNN
10284 TRAYLOR, J
10302 OCCUPANT UNKNOWNN
10306 WATKINS, KEITH L

Target Street

Cross Street

Source

-

✓

Cole Information

AV 7 1995

13875 ANDREW, CHESTER
13991 BRIGGS, CHARLES
14501 ANDREW, CHESTER
14848 OCCUPANT UNKNOWNN
14870 PEKAREK, LYNN
18681 WILLIAMS, FLOYD
18750 WILLIAMS, FLOYD
18819 OCCUPANT UNKNOWNN
19636 SEIBERT, KENNETH B

AV 7 1 2

1995

22204 WILMER, LISA
22224 FRANCO, TORNERO B
22234 MORALES, DOLORES M
22354 FONSECA, ALICIA
GOMES, JOE A
22488 OCCUPANT UNKNOWNN
23484 MARTINELLI, LEA

AVENUE 7 1 2

1995

7391 DANIEL DANIEL TOWLE & OUTFLEET
DMA RANCHES
MARY ALLENS COUNTRY COLORS
10302 NEWHALL LAND & FARMING CO

AVENUE 7 1992

13875 ANDREW, CHESTER
14501 ANDREW, CHESTER
14848 GIPSON, HENRY
14870 PEKAREK, LYNN
16896 CASTILLO, MANUEL
18750 WILLIAMS, FLOYD
18819 CAVAZOS, ELENO
19636 SEIBERT, KENNETH B
21246 CHAVEZ, DAVID R
21732 GONZLALEZ, MIGUEL

AVENUE 7 1 2

1992

10284 VANPELT, DAVID
22234 MORALES, DOLORES M
22354 GOMES, JOE A
22404 FONSECA, ALICIA
23484 MARTINELLI, LEA

AVENUE 7 1 2

1985

| | | | |
|-------|--------------------|----------|----|
| 7391 | ALLEN A D | 659-2881 | +5 |
| | D M A RANCHES | 659-3143 | 3 |
| 7516 | XXXX | 00 | |
| 7518 | XXXX | 00 | |
| 7520 | XXXX | 00 | |
| 7546 | MERRIMAN VIRGIL | 659-3283 | 8 |
| 7562 | XXXX | 00 | |
| 7576 | CLARK RONALD W | 659-2221 | +5 |
| 7594 | MILLER GARY L | 659-3475 | 1 |
| 10276 | SANDERS KEN | 659-3465 | 3 |
| 10280 | XXXX | 00 | |
| 10282 | XXXX | 00 | |
| 10284 | VANPELT DAVID | 659-1363 | 4 |
| 10302 | MURCHISON MONROE | 659-3938 | 6 |
| | NEWHALL LAND&FARMN | 659-1483 | 1 |
| 10306 | SHONNARD LUDLOW 30 | 659-3481 | 3 |
| 10310 | XXXX | 00 | |
| 10342 | WOCOS DANNY | 659-1350 | 3 |

AVENUE 7 1 2

1985

7 & 1/2 AV 93637 MADERA

| | | | |
|-------|-------------------|----------|-------|
| 22470 | NIETO DAMACIO | 674-2663 | 8 |
| 22488 | CORTEZ RAFAEL | 675-1050 | + 5 |
| 22492 | XXXX | 00 | |
| 23484 | MARTINELLI LEA | 674-8962 | 9 |
| 24254 | XXXX | 00 | |
| 24482 | XXXX | 00 | |
| 25466 | CHAVEZ RAYMOND | 674-7462 | |
| | CHAVIRA TOM | 674-2304 | |
| 26572 | SMITH JOHN W | 673-1163 | |
| 26671 | SANDERS L D | 674-0174 | 8 |
| 27447 | RAMIREZ FILADELFO | 673-7442 | 3 |
| 30246 | FICKLIN DAVID | 674-4272 | |
| | FICKLIN VINEYARDS | 674-4598 | |
| ★ | 1 BUS | 12 RES | 1 NEW |

AVENUE 7(RIPPERDAN AVE) 1985

7TH AV 93637 MADERA

| | | | |
|-------|------------------|----------|-----|
| 13875 | ANDREW CHESTER | 674-8368 | B |
| 13991 | XXXX | 00 | |
| 14501 | ANDREW CHESTER | 673-4073 | 8 |
| 14848 | GIPSON HENRY | 674-6086 | 8 |
| 14870 | PEKAREK LYNN | 674-5057 | 1 |
| 14876 | XXXX | 00 | |
| 15110 | DROWN ROBERT L | 674-2645 | |
| 18750 | XXXX | 00 | |
| 18819 | CAVAZOS ELENO | 674-5976 | |
| 18931 | S&W EQUIPMENT CO | 258-2027 | + 5 |
| | CHOUGH MICHAEL | 673-5427 | + 5 |
| | WILLIAMS FLOYD C | 258-2027 | + 5 |
| | WILLIAMS RANCHES | 674-5106 | + 5 |
| 19439 | MEGERDICHIAN EDW | 673-6924 | 4 |
| 19463 | XXXX | 00 | |
| 19636 | XXXX | 00 | |
| 19640 | CABALLERO NICK | 673-0922 | 1 |

AVENUE 7 1 2

1980

| | | |
|-------|------------------|-------------|
| 7391 | ALLEN ARVID D | 659-2615 |
| | ALLEN MARY | 659-2615 |
| 7516 | BLANCO MODESTO B | 659-1218 +0 |
| 7518 | LOPEZ MARIA | 659-2016 |
| 7520 | EPPLER BILL | 659-2201 7 |
| 7526 | COLE VIRBLE | 659-3248 +0 |
| 7546 | MERRIMAN VIRGIL | 659-3283 8 |
| 7562 | XXXX | 00 |
| 7576 | XXXX | 00 |
| 7594 | CHANOLER JOY | 659-3960 5 |
| 10276 | GABHART JOHN W | 659-3465 +0 |
| | KNAPP KEITH | 659-2702 6 |
| 10278 | BLANKENSHIP JOAN | 659-2664 +0 |
| 10280 | VANPELT DAVID | 659-1363 +0 |
| 10282 | OGBORN JOHN | 659-2438 +0 |
| 10302 | MURCHISON MONROE | 659-3938 6 |
| | NEHALL FARMING | 659-1483 +0 |
| 10306 | JANZEN GLEN | 659-2838 +0 |
| 10310 | XXXX | 00 |
| 10342 | XXXX | 00 |

AVENUE 7 1 2

1980

7 & 1/2 AV 93637 MADERA

| | | |
|-------|--------------------|-------------|
| 22204 | XXXX | 00 |
| 22224 | VILLAFAN JOSE LUIS | 674-5147 8 |
| 22234 | XXXX | 00 |
| 22354 | XXXX | 00 |
| 22404 | XXXX | 00 |
| 22470 | NIETO DAMACIO | 674-2663 8 |
| 22438 | XXXX | 00 |
| 22492 | XXXX | 00 |
| 23484 | MARTINELLI LEA | 674-9962 9 |
| 24254 | GARCIA ELICEO | 673-5716 +0 |
| 24482 | XXXX | 00 |
| 25466 | CHAVEZ RAYMOND | 674-7482 3 |
| | CHAVIRA TOM | 674-2304 5 |
| 26572 | SMITH JOHN W | 673-1163 |
| | A ARTIS WM B | 674-9346 +0 |
| 26671 | SANDERS L D | 674-0174 8 |
| 27447 | XXXX | 00 |
| 30246 | FICKLIN DAVID | 674-4272 3 |
| | FICKLIN VINEYARDS | 674-4588 3 |
| | • 1 BUS | 18 RES |
| | | Z NEW |

AVENUE 7 1 2

1975

| Target Street | Cross Street | Source |
|---------------|---------------------|------------|
| 7136 | XXXX | CO |
| 7391 | ALLEN ARVID D | 659-2615 |
| | ALLEN MARY | 659-2615 |
| 7516 | MIRANDA JOSE | 659-2518 |
| 7518 | LOPEZ MARIA | 659-2016 |
| 7526 | AUSTIN C L | 659-3323 3 |
| 7562 | LOGAN LINDA C | 659-3640+5 |
| 7569 | ELLIOTT ELI P | 659-2247 |
| 7594 | CHANDLER BOB | 659-3960+5 |
| 10276 | JANZEN GLEN | 659-3516 4 |
| 10278 | GOVETTE TOM | 659-3195+5 |
| 10280 | CORTEZ PETE | 659-2689+5 |
| 10282 | LOLMAUGH RICHARD | 659-3536+5 |
| 10284 | XXXX | CO |
| 10302* | NEWHALL LAND&FARMNG | 659-2549 4 |
| 10306 | THOMPSON PRESTON | 659-2535 |
| 10310 | XXXX | CO |
| 10342 | VANPELT DAVID | 659-3578+5 |

AVENUE 7 1 2

1975

7 & 1/2 AV 93637 MADERA

| | | |
|--------|--------------------|------------|
| 22204* | GOMES DAIRY | 674-4259 |
| | GOMES JOHN | 674-4294 |
| 22214 | GOMES JOS C | 674-4503 |
| 22234 | GOMES RAULION | 674-6609 |
| 22354 | XXXX | CO |
| 22404 | FREITAS JIM | 674-4472 3 |
| 22470 | CHAVIRA MANUEL | 674-2603 3 |
| 22488 | ESPONOZA RUBEN | 674-8303+5 |
| 22492 | MACIEL PETE | 674-8188+5 |
| 24482 | XXXX | CO |
| 25466 | CHAVEZ RAYMOND | 674-7462 3 |
| | CHAVIRA TCM | 674-2304+5 |
| 26572 | ROSSKOPF JUDY | 673-4733 3 |
| | SMITH JOHN W | 673-1163 |
| 30246 | FICKLIN DAVIO | 674-4272 3 |
| | *FICKLIN VINEYARDS | 674-4598 3 |
| 39530 | BURTON ROBT W | 439-5267 |
| * | 2 BUS 15 RES | 3 NEW |

AVENUE 7(RIPPERDAN AVE) 1975

7TH AV 93637 MADERA

| | | |
|--------|--------------------|------------|
| 13875 | ANDREW CHESTER | 673-4073 |
| 13991 | LAMB BARBARA | 674-8368+5 |
| | LAMB BILL | 674-6345+5 |
| 14870* | C H&G FARMS | 674-4241 3 |
| | WOODWARD STEPHEN J | 674-7369 3 |
| 15110 | DROWN ROBERT L | 674-2645 |
| 18750 | WILLIAMS FLOYD C | 674-5106 3 |
| 18819 | CAVAZOS ELENO | 674-5976 |
| | GALLEGOS BENNY | 674-6615 3 |
| 19439 | ELLIOTT ARTO | 674-6650 |
| 19463 | MORTON FRED | 673-1698 |
| 19636 | SLIBERT KAY | 674-6502+5 |

Appendix J

Vapor Encroachment Condition Report

Roberts Phase I ESA

No Address

Madera, CA 93637

Inquiry Number: 7518907.2s

January 2, 2024

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

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| Secondary Map | 3 |
| Map Findings | 4 |
| Record Sources and Currency | GR-1 |

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

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The EDR Vapor Encroachment Worksheet enables EDR's customers to make certain online modifications that effects maps, text and calculations contained in this Report. As a result, maps, text and calculations contained in this Report may have been so modified. EDR has not taken any action to verify any such modifications, and this report and the findings set forth herein must be read in light of this fact. Environmental Data Resources shall not be responsible for any customer's decision to include or not include in any final report any records determined to be within the relevant minimum search distances.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report 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).

| STANDARD ENVIRONMENTAL RECORDS | Default Area of Concern (Miles)* | property | 1/10 | > 1/10 |
|---|---|-----------------|-------------|------------------|
| Lists of Federal NPL (Superfund) sites | 1.0 | 0 | 0 | 0 |
| Lists of Federal Delisted NPL sites | 1.0 | 0 | 0 | 0 |
| Lists of Federal sites subject to CERCLA removals and CERCLA orders | 0.5 | 0 | 0 | 0 |
| Lists of Federal CERCLA sites with NFRAP | 0.5 | 0 | 0 | 0 |
| Lists of Federal RCRA facilities undergoing Corrective Action | 1.0 | 0 | 0 | 0 |
| Lists of Federal RCRA TSD facilities | 0.5 | 0 | 0 | 0 |
| Lists of Federal RCRA generators | 0.25 | 0 | 0 | 0 |
| Federal institutional controls / engineering controls registries | 0.5 | 0 | 0 | 0 |
| Federal ERNS list | 0.001 | 0 | 0 | - |
| Lists of state- and tribal (Superfund) equivalent sites | 1.0 | 0 | 0 | 0 |
| Lists of state- and tribal hazardous waste facilities | 1.0 | 0 | 0 | 0 |
| Lists of state and tribal landfills and solid waste disposal facilities | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal leaking storage tanks | 0.5 | 0 | 1 | 0 |
| Lists of state and tribal registered storage tanks | 0.25 | 0 | 0 | 0 |
| State and tribal institutional control / engineering control registries | not searched | - | - | - |
| Lists of state and tribal voluntary cleanup sites | 0.5 | 0 | 0 | 0 |
| Lists of state and tribal brownfield sites | 0.5 | 0 | 0 | 0 |

ADDITIONAL ENVIRONMENTAL RECORDS

| | | | | |
|--|------|---|---|---|
| Local Brownfield lists | 0.5 | 0 | 0 | 0 |
| Local Lists of Landfill / Solid Waste Disposal Sites | 0.5 | 0 | 0 | 0 |
| Local Lists of Hazardous waste / Contaminated Sites | 1.0 | 0 | 0 | 0 |
| Local Lists of Registered Storage Tanks | 0.25 | 0 | 0 | 0 |
| Local Land Records | 0.5 | 0 | 0 | 0 |
| Records of Emergency Release Reports | 0.5 | 0 | 0 | 0 |
| Other Ascertainable Records | 1.0 | 0 | 1 | 0 |

EDR HIGH RISK HISTORICAL RECORDS

| | | | | |
|------------------------------------|-------|---|---|---|
| EDR Exclusive Records | 1.0 | 0 | 0 | 0 |
| Exclusive Recovered Govt. Archives | 0.001 | 0 | 0 | - |

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

| | | | | |
|------------------------------------|-------|---|---|---|
| EDR Exclusive Records | 1.0 | 0 | 0 | 0 |
| Exclusive Recovered Govt. Archives | 0.001 | 0 | 0 | - |

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

ROBERTS PHASE I ESA
NO ADDRESS
MADERA, CA 93637

COORDINATES

| | |
|-------------------|---------------------------------|
| Latitude (North): | 36.856893 - 36° 51' 24.809875" |
| Longitude (West): | 120.325588 - 120° 19' 32.10388" |
| Elevation: | 162 ft. above sea level |

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|-----------------|---------------|-------------|
| NEW COLUMBIA RANCH CERS: CERS CPS-SLIC: CPS-SLIC | 10302 AVENUE 7-1½ (SITE 4) | <1/10 SW | ◆ 1 | 8 |

ADDITIONAL ENVIRONMENTAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--|----------------------------|-----------------|---------------|-------------|
| NEW COLUMBIA RANCH CERS: CERS CPS-SLIC: CPS-SLIC | 10302 AVENUE 7-1½ (SITE 4) | <1/10 SW | ◆ 1 | 8 |

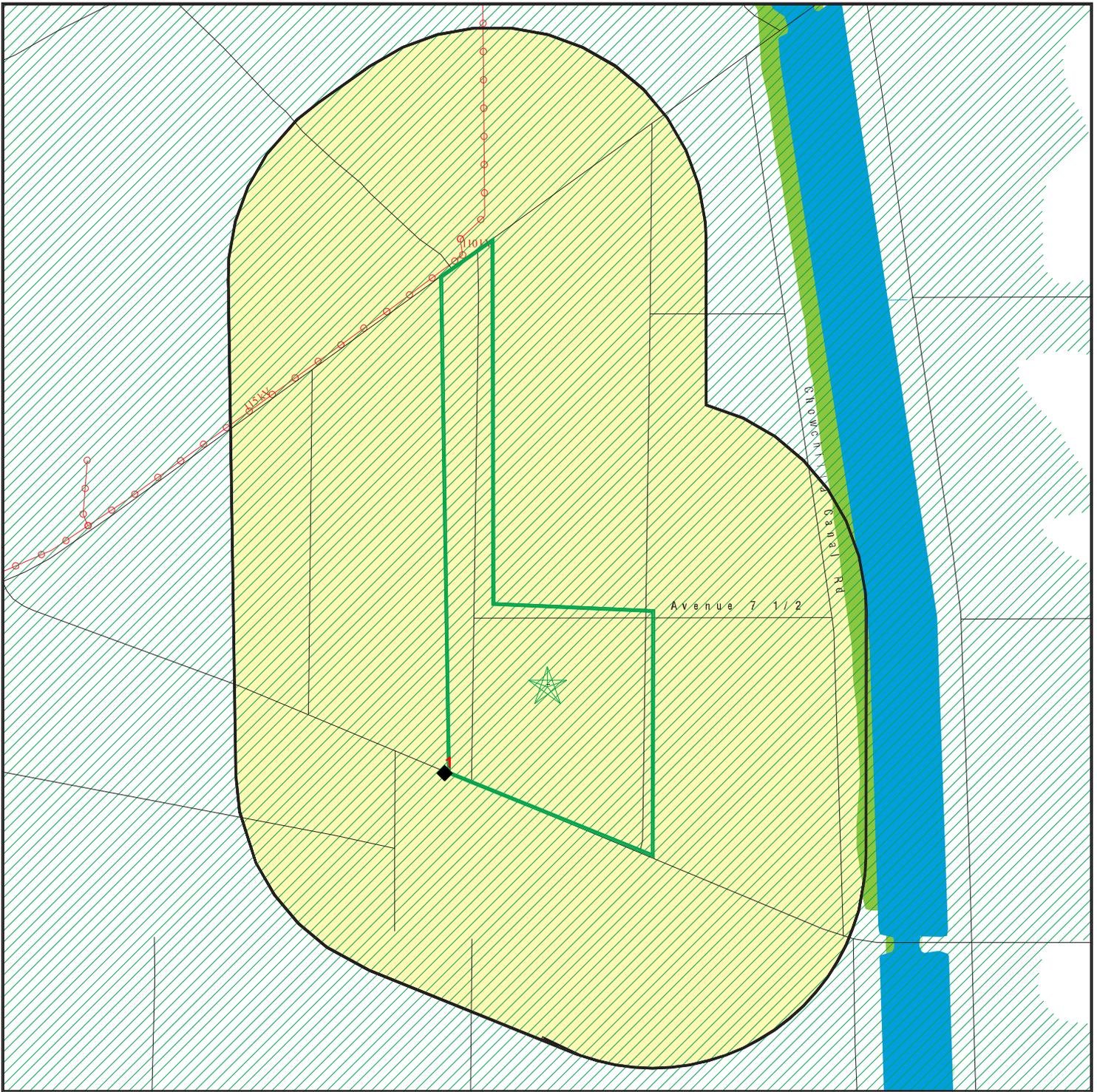
EDR HIGH RISK HISTORICAL RECORDS

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

EDR RECOVERED GOVERNMENT ARCHIVES

| <u>Name</u> | <u>Address</u> | <u>Dist/Dir</u> | <u>Map ID</u> | <u>Page</u> |
|--------------|----------------|-----------------|---------------|-------------|
| Not Reported | | | | |

PRIMARY MAP - 7518907.2S



 Target Property

 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites

 Indian Reservations BIA

 Power transmission lines

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

 Areas of Concern

0 300 1/3 1/2 Miles

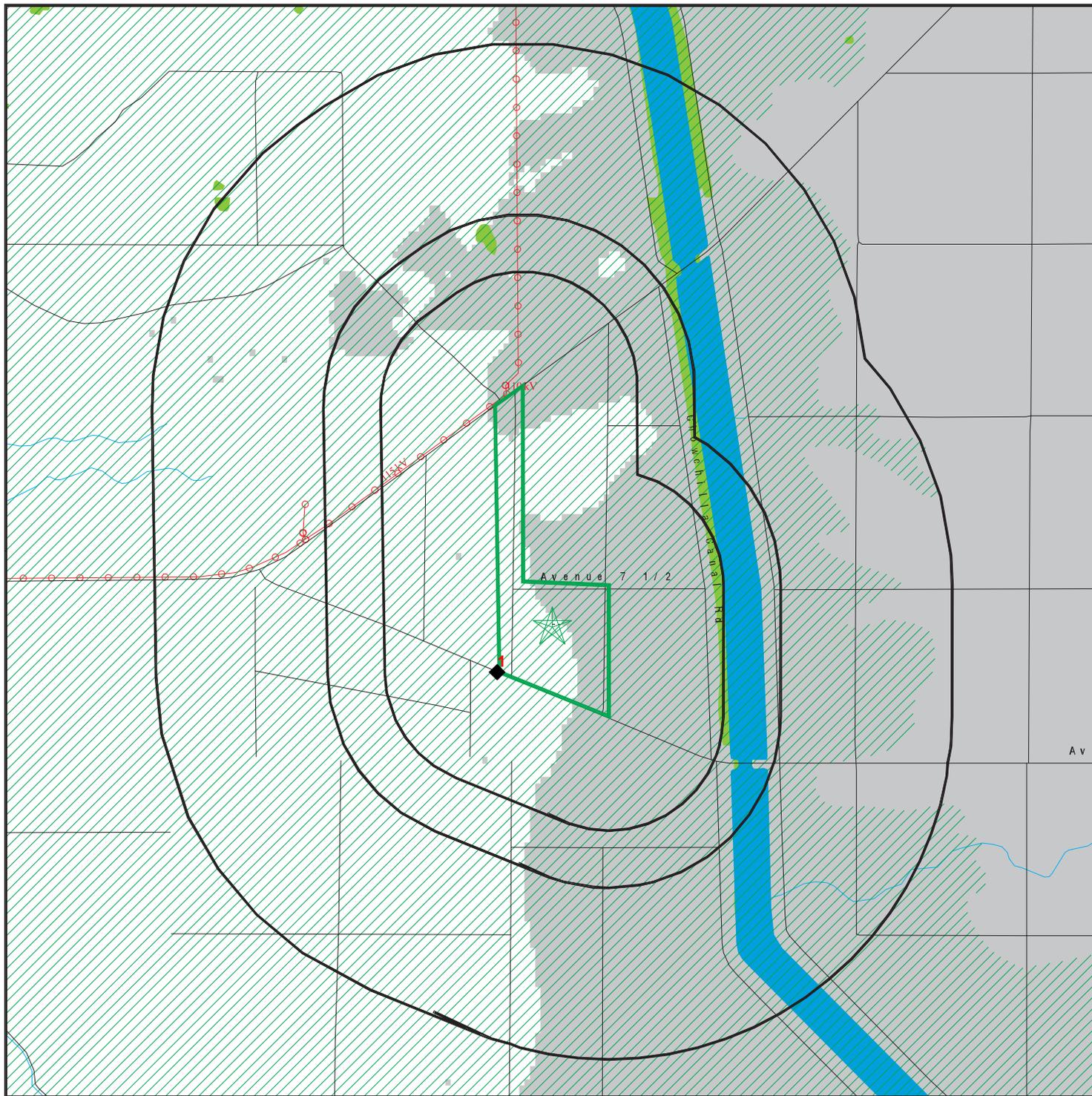


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera CA 93637
 LAT/LONG: 36.856893 / 120.325588

CLIENT: DUDEK
 CONTACT: Susan Smith
 INQUIRY #: 7518907.2S
 DATE: December 12, 2023 3:58 pm

SECONDARY MAP - 7518907.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Upgradient Area

Areas of Concern



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Roberts Phase I ESA
 ADDRESS: No Address
 Madera CA 93637
 LAT/LONG: 36.856893 / 120.325588

CLIENT: DUDEK
 CONTACT: Susan Smith
 INQUIRY #: 7518907.2s
 DATE: December 12, 2023 3:57 pm

MAP FINDINGS

LEGEND

| FACILITY NAME FACILITY ADDRESS, CITY, ST, ZIP | | EDR SITE ID NUMBER |
|---|--|--|
| ◆ MAP ID# | Direction Distance Range (Distance feet / miles) | ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency. |
| | Relative Elevation Feet Above Sea Level | |
| Worksheet: | | |
| Comments: Comments may be added on the online Vapor Encroachment Worksheet. | | |

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

| NEW COLUMBIA RANCH 10302 AVENUE 7-1½ (SITE 4), FIREBAUGH, CA, 93622 | | S106486035 |
|--|---|--|
| ◆ 1 | SW <1/10 (38 ft. / 0.007 mi.) | Lists of state and tribal leaking storage tanks Other Ascertainable Records |
| | 1 ft. Lower Elevation 161 ft. Above Sea Level | |

Worksheet:

CPS-SLIC: Lists of state and tribal leaking storage tanks

Name: NEW COLUMBIA RANCH
 Address: 10302 AVENUE 7-1½ (SITE 4)
 City,State,Zip: FIREBAUGH, CA 93622
 Region: STATE
Facility Status: Completed - Case Closed
 Status Date: 06/10/1992
 Global Id: SLT5FQ704642
 Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
 Lead Agency Case Number: Not Reported
 Latitude: 36.8534407857143
 Longitude: -120.452456162088
 Case Type: Cleanup Program Site
 Case Worker: Not Reported
 Local Agency: Not Reported
 RB Case Number: SLT5FQ070
 File Location: Not Reported
 Potential Media Affected: Not Reported
 Potential Contaminants of Concern: Not Reported
 EPA Region: 9
 Coordinate Source: Not Reported
 Cuf Case: NO
 Quantity Released Gallons: Not Reported
 Begin Date: 06/10/1992
 Leak Reported Date: 01/02/1965

MAP FINDINGS

NEW COLUMBIA RANCH, 10302 AVENUE 7-1½ (SITE 4), FIREBAUGH, CA 93622 (Continued)

| | |
|---|---|
| How Discovered: | Not Reported |
| How Discovered Description: | Not Reported |
| Discharge Source: | Not Reported |
| Discharge Cause: | Not Reported |
| Stop Method: | Not Reported |
| Stop Description: | Not Reported |
| No Further Action Date: | 06/10/1992 |
| CA Water Watershed Name: | Delta-Mendota Canal - Los Banos (541.20) |
| Dwr Groundwater Subbasin Name: | San Joaquin Valley - Delta-Mendota (5-022.07) |
| Disadvantaged Community: | Not Reported |
| CA EnviroScreen 3 Score: | 81-85% |
| CA EnviroScreen 4 Score: | 90-95% |
| Military DOD Site: | No |
| Facility Project Subtype: | Not Reported |
| RWQCB Region: | CENTRAL VALLEY RWQCB (REGION 5F) |
| Site History: | Not Reported |
| Click here to access the California GeoTracker records for this facility: | http://www.web.edrnet.com/ordering/switchboard/redirect.aspx?s=GRR_CA_SLIC_ST&global_id=SLT5FQ704642 |

CERS: Other Ascertainable Records

| | |
|-------------------|----------------------------|
| Name: | NEW COLUMBIA RANCH |
| Address: | 10302 AVENUE 7-1½ (SITE 4) |
| City,State,Zip: | FIREBAUGH, CA 93622 |
| Site ID: | 671837 |
| CERS ID: | SLT5FQ704642 |
| CERS Description: | Cleanup Program Site |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl Date | Active Date |
|---|------------------|--|---|------------|------------|-------------|
| ENVIRONMENTAL RECORDS | | | | | | |
| <i>Federal NPL site list</i> | | | | | | |
| US | NPL | National Priority List | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | Proposed NPL | Proposed National Priority List Sites | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | NPL LIENS | Federal Superfund Liens | EPA | 10/15/1991 | 02/02/1994 | 03/30/1994 |
| <i>Federal CERCLIS list</i> | | | | | | |
| US | SEMS | Superfund Enterprise Management System | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| <i>Federal RCRA CORRACTS facilities list</i> | | | | | | |
| US | CORRACTS | Corrective Action Report | EPA | 07/24/2023 | 07/31/2023 | 08/14/2023 |
| <i>Federal RCRA TSD facilities list</i> | | | | | | |
| US | RCRA-TSDF | RCRA - Treatment, Storage and Disposal | Environmental Protection Agency | 07/24/2023 | 07/31/2023 | 08/14/2023 |
| <i>Federal RCRA generators list</i> | | | | | | |
| US | RCRA-LQG | RCRA - Large Quantity Generators | Environmental Protection Agency | 07/24/2023 | 07/31/2023 | 08/14/2023 |
| US | RCRA-SQG | RCRA - Small Quantity Generators | Environmental Protection Agency | 07/24/2023 | 07/31/2023 | 08/14/2023 |
| US | RCRA-VSQG | RCRA - Very Small Quantity Generators (Formerly Conditional) | Environmental Protection Agency | 07/24/2023 | 07/31/2023 | 08/14/2023 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | |
| US | LUCIS | Land Use Control Information System | Department of the Navy | 08/03/2023 | 08/07/2023 | 10/10/2023 |
| US | US ENG CONTROLS | Engineering Controls Sites List | Environmental Protection Agency | 08/21/2023 | 08/21/2023 | 11/07/2023 |
| US | US INST CONTROLS | Institutional Controls Sites List | Environmental Protection Agency | 08/21/2023 | 08/21/2023 | 11/07/2023 |
| <i>Federal ERNS list</i> | | | | | | |
| US | ERNS | Emergency Response Notification System | National Response Center, United States Coast | 09/18/2023 | 09/20/2023 | 12/11/2023 |
| <i>State and tribal - equivalent NPL</i> | | | | | | |
| CA | RESPONSE | State Response Sites | Department of Toxic Substances Control | 07/24/2023 | 07/25/2023 | 10/11/2023 |
| <i>State and tribal - equivalent CERCLIS</i> | | | | | | |
| CA | ENVIROSTOR | EnviroStor Database | Department of Toxic Substances Control | 07/24/2023 | 07/25/2023 | 10/11/2023 |
| <i>State and tribal landfill / solid waste disposal</i> | | | | | | |
| CA | SWF/LF (SWIS) | Solid Waste Information System | Department of Resources Recycling and Recover | 08/07/2023 | 08/08/2023 | 10/26/2023 |
| <i>State and tribal leaking storage tank lists</i> | | | | | | |
| CA | LUST REG 8 | Leaking Underground Storage Tanks | California Regional Water Quality Control Boa | 02/14/2005 | 02/15/2005 | 03/28/2005 |
| CA | LUST REG 7 | Leaking Underground Storage Tank Case Listing | California Regional Water Quality Control Boa | 02/26/2004 | 02/26/2004 | 03/24/2004 |
| CA | LUST REG 5 | Leaking Underground Storage Tank Database | California Regional Water Quality Control Boa | 07/01/2008 | 07/22/2008 | 07/31/2008 |
| CA | LUST REG 9 | Leaking Underground Storage Tank Report | California Regional Water Quality Control Boa | 03/01/2001 | 04/23/2001 | 05/21/2001 |
| CA | LUST REG 6V | Leaking Underground Storage Tank Case Listing | California Regional Water Quality Control Boa | 06/07/2005 | 06/07/2005 | 06/29/2005 |
| CA | LUST REG 1 | Active Toxic Site Investigation | California Regional Water Quality Control Boa | 02/01/2001 | 02/28/2001 | 03/29/2001 |
| CA | LUST REG 2 | Fuel Leak List | California Regional Water Quality Control Boa | 09/30/2004 | 10/20/2004 | 11/19/2004 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|--------------------|--|---|------------|------------|-------------|
| CA | LUST REG 3 | Leaking Underground Storage Tank Database | California Regional Water Quality Control Boa | 05/19/2003 | 05/19/2003 | 06/02/2003 |
| CA | LUST REG 4 | Underground Storage Tank Leak List | California Regional Water Quality Control Boa | 09/07/2004 | 09/07/2004 | 10/12/2004 |
| CA | LUST | Leaking Underground Fuel Tank Report (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/22/2023 |
| CA | LUST REG 6L | Leaking Underground Storage Tank Case Listing | California Regional Water Quality Control Boa | 09/09/2003 | 09/10/2003 | 10/07/2003 |
| US | INDIAN LUST R4 | Leaking Underground Storage Tanks on Indian Land | EPA Region 4 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R1 | Leaking Underground Storage Tanks on Indian Land | EPA Region 1 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R6 | Leaking Underground Storage Tanks on Indian Land | EPA Region 6 | 04/26/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R10 | Leaking Underground Storage Tanks on Indian Land | EPA Region 10 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R7 | Leaking Underground Storage Tanks on Indian Land | EPA Region 7 | 04/25/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R8 | Leaking Underground Storage Tanks on Indian Land | EPA Region 8 | 04/19/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R9 | Leaking Underground Storage Tanks on Indian Land | Environmental Protection Agency | 04/19/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN LUST R5 | Leaking Underground Storage Tanks on Indian Land | EPA, Region 5 | 04/14/2023 | 05/09/2023 | 07/14/2023 |
| CA | CPS-SLIC | Statewide SLIC Cases (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/28/2023 |
| CA | SLIC REG 1 | Active Toxic Site Investigations | California Regional Water Quality Control Boa | 04/03/2003 | 04/07/2003 | 04/25/2003 |
| CA | SLIC REG 2 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Regional Water Quality Control Board San Fran | 09/30/2004 | 10/20/2004 | 11/19/2004 |
| CA | SLIC REG 3 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | California Regional Water Quality Control Boa | 05/18/2006 | 05/18/2006 | 06/15/2006 |
| CA | SLIC REG 4 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Region Water Quality Control Board Los Angele | 11/17/2004 | 11/18/2004 | 01/04/2005 |
| CA | SLIC REG 5 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Regional Water Quality Control Board Central | 04/01/2005 | 04/05/2005 | 04/21/2005 |
| CA | SLIC REG 6V | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | Regional Water Quality Control Board, Victorv | 05/24/2005 | 05/25/2005 | 06/16/2005 |
| CA | SLIC REG 6L | SLIC Sites | California Regional Water Quality Control Boa | 09/07/2004 | 09/07/2004 | 10/12/2004 |
| CA | SLIC REG 7 | SLIC List | California Regional Quality Control Board, Co | 11/24/2004 | 11/29/2004 | 01/04/2005 |
| CA | SLIC REG 8 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | California Region Water Quality Control Board | 04/03/2008 | 04/03/2008 | 04/14/2008 |
| CA | SLIC REG 9 | Spills, Leaks, Investigation & Cleanup Cost Recovery Listing | California Regional Water Quality Control Boa | 09/10/2007 | 09/11/2007 | 09/28/2007 |
| State and tribal registered storage tank lists | | | | | | |
| CA | UST | Active UST Facilities | SWRCB | 09/05/2023 | 09/06/2023 | 11/28/2023 |
| CA | MILITARY UST SITES | Military UST Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | UST CLOSURE | Proposed Closure of Underground Storage Tank (UST) Cases | State Water Resources Control Board | 08/10/2023 | 09/06/2023 | 11/28/2023 |
| CA | AST | Aboveground Petroleum Storage Tank Facilities | California Environmental Protection Agency | 07/06/2016 | 07/12/2016 | 09/19/2016 |
| US | INDIAN UST R1 | Underground Storage Tanks on Indian Land | EPA, Region 1 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R7 | Underground Storage Tanks on Indian Land | EPA Region 7 | 04/25/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R8 | Underground Storage Tanks on Indian Land | EPA Region 8 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R9 | Underground Storage Tanks on Indian Land | EPA Region 9 | 04/19/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R4 | Underground Storage Tanks on Indian Land | EPA Region 4 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R10 | Underground Storage Tanks on Indian Land | EPA Region 10 | 04/20/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R6 | Underground Storage Tanks on Indian Land | EPA Region 6 | 04/26/2023 | 05/09/2023 | 07/14/2023 |
| US | INDIAN UST R5 | Underground Storage Tanks on Indian Land | EPA Region 5 | 04/14/2023 | 05/09/2023 | 07/14/2023 |
| US | FEMA UST | Underground Storage Tank Listing | FEMA | 03/08/2023 | 03/09/2023 | 05/30/2023 |
| State and tribal voluntary cleanup sites | | | | | | |
| US | INDIAN VCP R7 | Voluntary Cleanup Priority Lisitng | EPA, Region 7 | 03/20/2008 | 04/22/2008 | 05/19/2008 |
| US | INDIAN VCP R1 | Voluntary Cleanup Priority Listing | EPA, Region 1 | 07/27/2015 | 09/29/2015 | 02/18/2016 |
| CA | VCP | Voluntary Cleanup Program Properties | Department of Toxic Substances Control | 07/24/2023 | 07/25/2023 | 10/11/2023 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|---|-------------------|--|--|------------|------------|-------------|
| State and tribal Brownfields sites | | | | | | |
| CA | BROWNFIELDS | Considered Brownfields Sites Listing | State Water Resources Control Board | 09/19/2023 | 09/20/2023 | 12/08/2023 |
| Other Records | | | | | | |
| US | CONSENT | Superfund (CERCLA) Consent Decrees | Department of Justice, Consent Decree Library | 06/30/2023 | 07/19/2023 | 10/10/2023 |
| US | ROD | Records Of Decision | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | LIENS 2 | CERCLA Lien Information | Environmental Protection Agency | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| CA | HIST CAL-SITES | Calsites Database | Department of Toxic Substance Control | 08/08/2005 | 08/03/2006 | 08/24/2006 |
| US | DEBRIS REGION 9 | Torres Martinez Reservation Illegal Dump Site Locations | EPA, Region 9 | 01/12/2009 | 05/07/2009 | 09/21/2009 |
| CA | SWRCY | Recycler Database | Department of Conservation | 09/05/2023 | 09/06/2023 | 11/28/2023 |
| CA | CA FID UST | Facility Inventory Database | California Environmental Protection Agency | 10/31/1994 | 09/05/1995 | 09/29/1995 |
| CA | HIST UST | Hazardous Substance Storage Container Database | State Water Resources Control Board | 10/15/1990 | 01/25/1991 | 02/12/1991 |
| CA | SAN FRANCISCO AST | Aboveground Storage Tank Site Listing | San Francisco County Department of Public Hea | 08/04/2023 | 08/08/2023 | 10/25/2023 |
| CA | SWEEPS UST | SWEEPS UST Listing | State Water Resources Control Board | 06/01/1994 | 07/07/2005 | 08/11/2005 |
| US | US AIRS (AFS) | Aerometric Information Retrieval System Facility Subsystem (| EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | US AIRS MINOR | Air Facility System Data | EPA | 10/12/2016 | 10/26/2016 | 02/03/2017 |
| US | COAL ASH EPA | Coal Combustion Residues Surface Impoundments List | Environmental Protection Agency | 01/12/2017 | 03/05/2019 | 11/11/2019 |
| US | FUSRAP | Formerly Utilized Sites Remedial Action Program | Department of Energy | 03/03/2023 | 03/03/2023 | 06/09/2023 |
| US | COAL ASH DOE | Steam-Electric Plant Operation Data | Department of Energy | 12/31/2021 | 04/14/2023 | 07/10/2023 |
| US | PCB TRANSFORMER | PCB Transformer Registration Database | Environmental Protection Agency | 09/13/2019 | 11/06/2019 | 02/10/2020 |
| US | SCRD DRYCLEANERS | State Coalition for Remediation of Drycleaners Listing | Environmental Protection Agency | 07/30/2021 | 02/03/2023 | 02/10/2023 |
| US | US HIST CDL | National Clandestine Laboratory Register | Drug Enforcement Administration | 08/21/2023 | 08/21/2023 | 11/07/2023 |
| US | 2020 COR ACTION | 2020 Corrective Action Program List | Environmental Protection Agency | 09/30/2017 | 05/08/2018 | 07/20/2018 |
| US | LEAD SMELTER 1 | Lead Smelter Sites | Environmental Protection Agency | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | EPA WATCH LIST | EPA WATCH LIST | Environmental Protection Agency | 08/30/2013 | 03/21/2014 | 06/17/2014 |
| US | US FIN ASSUR | Financial Assurance Information | Environmental Protection Agency | 06/19/2023 | 06/20/2023 | 08/14/2023 |
| US | LEAD SMELTER 2 | Lead Smelter Sites | American Journal of Public Health | 04/05/2001 | 10/27/2010 | 12/02/2010 |
| US | Delisted NPL | National Priority List Deletions | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | SEMS-ARCHIVE | Superfund Enterprise Management System Archive | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | RCRA NonGen / NLR | RCRA - Non Generators / No Longer Regulated | Environmental Protection Agency | 07/24/2023 | 07/31/2023 | 08/14/2023 |
| US | HMIRS | Hazardous Materials Information Reporting System | U.S. Department of Transportation | 09/18/2023 | 09/20/2023 | 11/14/2023 |
| US | DOT OPS | Incident and Accident Data | Department of Transportation, Office of Pipeli | 01/02/2020 | 01/28/2020 | 04/17/2020 |
| US | US CDL | Clandestine Drug Labs | Drug Enforcement Administration | 08/21/2023 | 08/21/2023 | 11/07/2023 |
| US | US BROWNFIELDS | A Listing of Brownfields Sites | Environmental Protection Agency | 08/15/2023 | 08/30/2023 | 12/01/2023 |
| US | DOD | Department of Defense Sites | USGS | 06/07/2021 | 07/13/2021 | 03/09/2022 |
| US | FEDLAND | Federal and Indian Lands | U.S. Geological Survey | 04/02/2018 | 04/11/2018 | 11/06/2019 |
| US | FUDS | Formerly Used Defense Sites | U.S. Army Corps of Engineers | 08/07/2023 | 08/15/2023 | 10/10/2023 |
| US | UMTRA | Uranium Mill Tailings Sites | Department of Energy | 08/30/2019 | 11/15/2019 | 01/28/2020 |
| US | ODI | Open Dump Inventory | Environmental Protection Agency | 06/30/1985 | 08/09/2004 | 09/17/2004 |
| US | US MINES | Mines Master Index File | Department of Labor, Mine Safety and Health A | 08/01/2023 | 08/22/2023 | 11/07/2023 |
| US | MINES VIOLATIONS | MSHA Violation Assessment Data | DOL, Mine Safety & Health Admi | 07/05/2023 | 07/05/2023 | 09/25/2023 |
| US | US MINES 2 | Ferrous and Nonferrous Metal Mines Database Listing | USGS | 01/07/2022 | 02/24/2023 | 05/17/2023 |
| US | US MINES 3 | Active Mines & Mineral Plants Database Listing | USGS | 04/14/2011 | 06/08/2011 | 09/13/2011 |
| US | PRP | Potentially Responsible Parties | EPA | 09/19/2023 | 10/03/2023 | 10/19/2023 |
| US | TRIS | Toxic Chemical Release Inventory System | EPA | 12/31/2021 | 08/18/2023 | 11/07/2023 |
| US | TSCA | Toxic Substances Control Act | EPA | 12/31/2020 | 06/14/2022 | 03/24/2023 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|----|--------------------------------|--|---|------------|------------|-------------|
| US | FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu | EPA/Office of Prevention, Pesticides and Toxi | 04/09/2009 | 04/16/2009 | 05/11/2009 |
| US | FTTS INSP | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu | EPA | 04/09/2009 | 04/16/2009 | 05/11/2009 |
| US | HIST FTTS | FIFRA/TSCA Tracking System Administrative Case Listing | Environmental Protection Agency | 10/19/2006 | 03/01/2007 | 04/10/2007 |
| US | HIST FTTS INSP | FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis | Environmental Protection Agency | 10/19/2006 | 03/01/2007 | 04/10/2007 |
| US | SSTS | Section 7 Tracking Systems | EPA | 07/17/2023 | 07/18/2023 | 10/10/2023 |
| US | ICIS | Integrated Compliance Information System | Environmental Protection Agency | 11/18/2016 | 11/23/2016 | 02/10/2017 |
| US | PADS | PCB Activity Database System | EPA | 03/20/2023 | 04/04/2023 | 06/09/2023 |
| US | MLTS | Material Licensing Tracking System | Nuclear Regulatory Commission | 07/20/2023 | 09/01/2023 | 09/20/2023 |
| US | RADINFO | Radiation Information Database | Environmental Protection Agency | 07/01/2019 | 07/01/2019 | 09/23/2019 |
| US | FINDS | Facility Index System/Facility Registry System | EPA | 11/03/2023 | 11/08/2023 | 11/20/2023 |
| US | RAATS | RCRA Administrative Action Tracking System | EPA | 04/17/1995 | 07/03/1995 | 08/07/1995 |
| US | RMP | Risk Management Plans | Environmental Protection Agency | 05/09/2023 | 06/29/2023 | 09/25/2023 |
| US | BRS | Biennial Reporting System | EPA/NTIS | 12/31/2021 | 03/09/2023 | 03/20/2023 |
| US | PWS | Public Water System Data | EPA | 12/17/2013 | 01/09/2014 | 10/15/2014 |
| US | INDIAN RESERV | Indian Reservations | USGS | 12/31/2014 | 07/14/2015 | 01/10/2017 |
| US | INDIAN ODI | Report on the Status of Open Dumps on Indian Lands | Environmental Protection Agency | 12/31/1998 | 12/03/2007 | 01/24/2008 |
| US | IHS OPEN DUMPS | Open Dumps on Indian Land | Department of Health & Human Serivces, Indian | 04/01/2014 | 08/06/2014 | 01/29/2015 |
| US | ABANDONED MINES | Abandoned Mines | Department of Interior | 11/28/2023 | 11/29/2023 | 12/11/2023 |
| CA | CA BOND EXP. PLAN | Bond Expenditure Plan | Department of Health Services | 01/01/1989 | 07/27/1994 | 08/02/1994 |
| CA | CDL | Clandestine Drug Labs | Department of Toxic Substances Control | 12/31/2020 | 11/30/2022 | 02/09/2023 |
| CA | CHMIRS | California Hazardous Material Incident Report System | Office of Emergency Services | 06/01/2023 | 07/18/2023 | 10/05/2023 |
| CA | CORTESE | "Cortese" Hazardous Waste & Substances Sites List | CAL EPA/Office of Emergency Information | 09/19/2023 | 09/20/2023 | 12/08/2023 |
| CA | CUPA LIVERMORE-PLEASANTON | CUPA Facility Listing | Livermore-Pleasanton Fire Department | 03/31/2023 | 05/08/2023 | 07/31/2023 |
| CA | CA DEED | Deed Restriction Listing | DTSC and SWRCB | 08/28/2023 | 08/29/2023 | 11/13/2023 |
| CA | DRYCLEAN AVAQMD | Antelope Valley Air Quality Management District Drycleaner L | Antelope Valley Air Quality Management Distri | 08/22/2023 | 08/24/2023 | 11/07/2023 |
| CA | DRYCLEAN SAN JOAQ VAL DIST | San Joaquin Valley Air Pollution Control District District D | San Joaquin Valley Air Pollution Control Dist | 05/24/2023 | 05/30/2023 | 08/21/2023 |
| CA | DRYCLEAN EAST KERN DIST | Eastern Kern Air Pollution Control District District Dryclea | Eastern Kern Air Pollution Control District | 01/12/2023 | 04/26/2023 | 07/14/2023 |
| CA | DRYCLEAN IMPERIAL CO DIST | Imperial County Air Pollution Control District Drycleaner Fa | Imperial County Air Pollution Control Distric | 04/25/2023 | 04/26/2023 | 07/14/2023 |
| CA | DRYCLEAN MENDO CO DIST | Mendocino County Air Quality Management District Drycleaner | Mendocino County Air Quality Management Distr | 04/27/2023 | 04/28/2023 | 07/14/2023 |
| CA | DRYCLEAN MOJAVE DESERT DIST | Mojave Desert Air Quality Management District Drycleaner Fac | Mojave Desert Air Quality Management District | 04/26/2023 | 04/27/2023 | 07/14/2023 |
| CA | DRYCLEAN MONTEREY BAY DIST | Monterey Bay Air Quality Management District Drycleaner Faci | Monterey Bay Air Quality Management District | 04/25/2023 | 04/26/2023 | 07/14/2023 |
| CA | DRYCLEAN SHASTA CO DIST | Shasta County Air Quality Management District District Drycl | Shasta County Air Quality Management District | 04/26/2023 | 04/27/2023 | 07/14/2023 |
| CA | DRYCLEAN YOLO-SOLANO DIST | Yolo-Solano Air Quality Management District Drycleaner Facil | Yolo-Solano Air Quality Management District | 04/25/2023 | 04/27/2023 | 07/14/2023 |
| CA | DRYCLEAN PLACER CO DIST | Placer County Air Quality Management District Drycleaner Fac | Placer County Air Quality Management District | 05/15/2023 | 05/17/2023 | 08/14/2023 |
| CA | DRYCLEAN BAY AREA DIST | Bay Area Air Quality Management District Drycleaner Facility | Bay Area Air Quality Management District | 02/20/2019 | 05/30/2019 | 05/01/2023 |
| CA | DRYCLEAN BUTTE CO DIST | Butte County Air Quality Management DistrictDrycleaner Facil | Butte County Air Quality Management District | 12/31/2018 | 04/23/2019 | 05/01/2023 |
| CA | DRYCLEAN CALAVERAS CO DIST | Calaveras County Environmental Management Agency Drycleaner | Calaveras County Environmental Management Age | 06/17/2019 | 06/19/2019 | 05/01/2023 |
| CA | DRYCLEAN GRANT | Grant Recipients List | California Air Resources Board | 12/31/2020 | 02/04/2021 | 05/01/2023 |
| CA | DRYCLEAN LAKE CO DIST | Lake County Air Quality Management District Drycleaner Facil | Lake County Air Quality Management District | 04/29/2019 | 05/07/2019 | 05/01/2023 |
| CA | DRYCLEAN NO COAST UNIFIED DIST | North Coast Unified Air Quality Management District Dryclean | North Coast Unified Air Quality Management Di | 11/30/2016 | 04/19/2019 | 05/01/2023 |
| CA | DRYCLEAN NO SIERRA DIST | Northern Sierra Air Quality Management District Drycleaner F | Northern Sierra Air Quality Management Distri | 05/07/2019 | 05/07/2019 | 05/01/2023 |
| CA | DRYCLEAN NO SONOMA CO DIST | Northern Sonoma County County Air Pollution Control District | Santa Barbara County Air Pollution Control Di | 04/17/2019 | 04/17/2019 | 05/01/2023 |
| CA | DRYCLEAN SANTA BARB CO DIST | Santa Barbara County Air Pollution Control District Dryclean | Santa Barbara County Air Pollution Control Di | 02/19/2019 | 04/17/2019 | 05/01/2023 |
| CA | DRYCLEAN TEHAMA CO DIST | Tehama County Air Pollution Control District Drycleaner Faci | Tehama County Air Pollution Control District | 04/24/2019 | 04/24/2019 | 05/01/2023 |
| CA | DRYCLEAN VENTURA CO DIST | Drycleaner Facility Listing | Ventura County Air Pollution Control District | 04/16/2019 | 04/17/2019 | 05/01/2023 |
| CA | DRYCLEAN SACRAMENTO METO DIST | Sacramento Metropolitan Air Quality Management DistrictDrycl | Sacramento Metropolitan Air Quality Managemen | 08/15/2023 | 08/17/2023 | 10/31/2023 |
| CA | DRYCLEAN AMADOR | Amador Air District Drycleaner Facility Listing | Amador Air Quality Management District | 04/26/2023 | 04/27/2023 | 07/13/2023 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|----|------------------------------|--|---|------------|------------|-------------|
| CA | DRYCLEANERS | Cleaner Facilities | Department of Toxic Substance Control | 08/31/2023 | 09/08/2023 | 11/27/2023 |
| CA | DRYCLEAN GLENN CO DIST | Glenn County Air Pollution Control District Drycleaner Facil | Glenn County Air Pollution Control District | 05/02/2023 | 05/03/2023 | 07/25/2023 |
| CA | DRYCLEAN SAN DIEGO CO DIST | San Diego County Air Pollution Control District Drycleaner F | San Diego County Air Pollution Control Distri | 08/08/2023 | 08/09/2023 | 10/26/2023 |
| CA | DRYCLEAN SAN LUIS OB CO DIST | San Luis Obispo County Air Pollution Control District Drycle | San Luis Obispo County Air Pollution Control | 07/26/2023 | 07/27/2023 | 10/13/2023 |
| CA | DRYCLEAN FEATHER RIVER DIST | Feather River Air Quality Management District Drycleaner Fac | Feather River Air Quality Management District | 03/08/2023 | 03/09/2023 | 06/05/2023 |
| CA | DRYCLEAN SOUTH COAST | South Coast Air Quality Management District Drycleaner Listi | South Coast Air Quality Management District | 08/18/2023 | 08/18/2023 | 11/01/2023 |
| CA | EMI | Emissions Inventory Data | California Air Resources Board | 12/31/2021 | 06/09/2023 | 08/30/2023 |
| CA | ENF | Enforcement Action Listing | State Water Resoruces Control Board | 07/17/2023 | 07/18/2023 | 10/05/2023 |
| CA | Financial Assurance 1 | Financial Assurance Information Listing | Department of Toxic Substances Control | 09/13/2023 | 09/14/2023 | 09/21/2023 |
| CA | Financial Assurance 2 | Financial Assurance Information Listing | California Integrated Waste Management Board | 08/03/2023 | 08/16/2023 | 11/01/2023 |
| CA | HAULERS | Registered Waste Tire Haulers Listing | Integrated Waste Management Board | 11/16/2022 | 11/22/2022 | 02/13/2023 |
| CA | HAZNET | Facility and Manifest Data | California Environmental Protection Agency | 12/31/2021 | 07/05/2022 | 09/19/2022 |
| CA | HIST CORTESE | Hazardous Waste & Substance Site List | Department of Toxic Substances Control | 04/01/2001 | 01/22/2009 | 04/08/2009 |
| CA | HWP | EnviroStor Permitted Facilities Listing | Department of Toxic Substances Control | 08/14/2023 | 08/14/2023 | 10/31/2023 |
| CA | HWT | Registered Hazardous Waste Transporter Database | Department of Toxic Substances Control | 06/29/2023 | 06/29/2023 | 09/19/2023 |
| CA | ICE | Inspection, Compliance and Enforcement | Department of Toxic Substances Control | 08/14/2023 | 08/14/2023 | 10/31/2023 |
| CA | LDS | Land Disposal Sites Listing (GEOTRACKER) | State Water Quality Control Board | 09/05/2023 | 09/06/2023 | 11/22/2023 |
| CA | LIENS | Environmental Liens Listing | Department of Toxic Substances Control | 08/22/2023 | 08/24/2023 | 11/07/2023 |
| CA | MCS | Military Cleanup Sites Listing (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/22/2023 |
| CA | MINES | Mines Site Location Listing | Department of Conservation | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | MWMP | Medical Waste Management Program Listing | Department of Public Health | 08/08/2023 | 08/29/2023 | 11/13/2023 |
| CA | NPDES | NPDES Permits Listing | State Water Resources Control Board | 08/07/2023 | 08/08/2023 | 10/26/2023 |
| CA | PEST LIC | Pesticide Regulation Licenses Listing | Department of Pesticide Regulation | 08/28/2023 | 08/29/2023 | 11/13/2023 |
| CA | PROC | Certified Processors Database | Department of Conservation | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | NOTIFY 65 | Proposition 65 Records | State Water Resources Control Board | 09/07/2023 | 09/08/2023 | 11/28/2023 |
| CA | SAN JOSE HAZMAT | Hazardous Material Facilities | City of San Jose Fire Department | 11/03/2020 | 11/05/2020 | 01/26/2021 |
| CA | SCH | School Property Evaluation Program | Department of Toxic Substances Control | 07/24/2023 | 07/25/2023 | 10/11/2023 |
| CA | SANTA CRUZ CO SITE MITI | Site Mitigation Listing | Santa Cruz Environmental Health Services | 12/03/2018 | 06/23/2023 | 07/13/2023 |
| CA | SPILLS 90 | SPILLS90 data from FirstSearch | FirstSearch | 06/06/2012 | 01/03/2013 | 02/22/2013 |
| CA | TOXIC PITS | Toxic Pits Cleanup Act Sites | State Water Resources Control Board | 07/01/1995 | 08/30/1995 | 09/26/1995 |
| CA | UIC | UIC Listing | Deaprtment of Conservation | 09/05/2023 | 09/06/2023 | 11/28/2023 |
| CA | WASTEWATER PITS | Oil Wastewater Pits Listing | RWQCB, Central Valley Region | 02/11/2021 | 07/01/2021 | 09/29/2021 |
| CA | WDS | Waste Discharge System | State Water Resources Control Board | 06/19/2007 | 06/20/2007 | 06/29/2007 |
| CA | WIP | Well Investigation Program Case List | Los Angeles Water Quality Control Board | 07/03/2009 | 07/21/2009 | 08/03/2009 |
| CA | WMUDS/SWAT | Waste Management Unit Database | State Water Resources Control Board | 04/01/2000 | 04/10/2000 | 05/10/2000 |
| CA | UIC GEO | Underground Injection Control Sites (GEOTRACKER) | State Water Resource Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | WELL STIM PROJ | Well Stimulation Project (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| US | AQUEOUS FOAM NRC | Aqueous Foam Related Incidents Listing | Environmental Protection Agency | 07/05/2023 | 07/06/2023 | 09/25/2023 |
| US | PFAS WQP | Ambient Environmental Sampling for PFAS | Environmental Protection Agency | 09/23/2023 | 10/03/2023 | 10/10/2023 |
| US | PFAS FEDERAL SITES | Federal Sites PFAS Information | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 10/02/2023 |
| US | PFAS NPDES | Clean Water Act Discharge Monitoring Information | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 10/02/2023 |
| US | BIOSOLIDS | ICIS-NPDES Biosolids Facility Data | Environmental Protection Agency | 07/16/2023 | 07/18/2023 | 08/28/2023 |
| US | PFAS ECHO | Facilities in Industries that May Be Handling PFAS Listing | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 09/25/2023 |
| US | PFAS PART 139 AIRPORT | All Certified Part 139 Airports PFAS Information Listing | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 09/25/2023 |
| US | PFAS ECHO FIRE TRAINING | Facilities in Industries that May Be Handling PFAS Listing | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 09/25/2023 |
| US | ECHO | Enforcement & Compliance History Information | Environmental Protection Agency | 06/24/2023 | 06/29/2023 | 09/25/2023 |
| US | FEDERAL FACILITY | Federal Facility Site Information listing | Environmental Protection Agency | 06/23/2023 | 06/23/2023 | 09/20/2023 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|----|---------------------|---|--|------------|------------|-------------|
| US | UXO | Unexploded Ordnance Sites | Department of Defense | 09/06/2023 | 09/13/2023 | 12/11/2023 |
| CA | CERS | CalEPA Regulated Site Portal Data | California Environmental Protection Agency | 07/17/2023 | 07/18/2023 | 10/06/2023 |
| CA | CERS HAZ WASTE | California Environmental Reporting System Hazardous Waste | CalEPA | 07/17/2023 | 07/18/2023 | 10/06/2023 |
| CA | CERS TANKS | California Environmental Reporting System (CERS) Tanks | California Environmental Protection Agency | 07/17/2023 | 07/18/2023 | 10/06/2023 |
| CA | AQUEOUS FOAM | Former Fire Training Facility Assessments Listing | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/28/2023 |
| CA | WDR | Waste Discharge Requirements Listing | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/28/2023 |
| CA | CHROME PLATING | Chrome Plating Facilities Listing | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | MILITARY PRIV SITES | Military Privatized Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | PFAS | PFAS Contamination Site Location Listing | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | NON-CASE INFO | Non-Case Information Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | OTHER OIL GAS | Other Oil & Gas Projects Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | PROD WATER PONDS | Produced Water Ponds Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| US | PFAS TSCA | PFAS Manufacture and Imports Information | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 10/02/2023 |
| US | FUELS PROGRAM | EPA Fuels Program Registered Listing | EPA | 08/14/2023 | 08/15/2023 | 10/19/2023 |
| CA | HWTS | Hazardous Waste Tracking System | Department of Toxic Substances Control | 08/04/2023 | 08/09/2023 | 10/26/2023 |
| CA | CIWQS | California Integrated Water Quality System | State Water Resources Control Board | 08/28/2023 | 08/29/2023 | 11/13/2023 |
| US | PFAS ATSDR | PFAS Contamination Site Location Listing | Department of Health & Human Services | 06/24/2020 | 03/17/2021 | 11/08/2022 |
| US | MINES MRDS | Mineral Resources Data System | USGS | 08/23/2022 | 11/22/2022 | 02/28/2023 |
| US | DOCKET HWC | Hazardous Waste Compliance Docket Listing | Environmental Protection Agency | 05/06/2021 | 05/21/2021 | 08/11/2021 |
| US | PFAS NPL | Superfund Sites with PFAS Detections Information | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 10/02/2023 |
| US | PFAS RCRA MANIFEST | PFAS Transfers Identified In the RCRA Database Listing | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 10/02/2023 |
| US | PFAS TRIS | List of PFAS Added to the TRI | Environmental Protection Agency | 07/05/2023 | 07/05/2023 | 10/02/2023 |
| CA | PROJECT | Project Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |
| CA | SAMPLING POINT | Sampling Point ? Public Sites (GEOTRACKER) | State Water Resources Control Board | 09/05/2023 | 09/06/2023 | 11/27/2023 |

HISTORICAL USE RECORDS

| | | | | | | |
|----|------------------|--|---|--|------------|------------|
| US | EDR MGP | EDR Proprietary Manufactured Gas Plants | EDR, Inc. | | | |
| US | EDR Hist Auto | EDR Exclusive Historical Auto Stations | EDR, Inc. | | | |
| US | EDR Hist Cleaner | EDR Exclusive Historical Cleaners | EDR, Inc. | | | |
| CA | RGA LF | Recovered Government Archive Solid Waste Facilities List | Department of Resources Recycling and Recover | | 07/01/2013 | 01/13/2014 |
| CA | RGA LUST | Recovered Government Archive Leaking Underground Storage Tan | State Water Resources Control Board | | 07/01/2013 | 12/30/2013 |

COUNTY RECORDS

| | | | | | | |
|----|-----------------|-----------------------|---|------------|------------|------------|
| CA | CS ALAMEDA | Contaminated Sites | Alameda County Environmental Health Services | 01/09/2019 | 01/11/2019 | 03/05/2019 |
| CA | UST ALAMEDA | Underground Tanks | Alameda County Environmental Health Services | 06/27/2023 | 06/28/2023 | 09/14/2023 |
| CA | CUPA AMADOR | CUPA Facility List | Amador County Environmental Health | 04/27/2023 | 04/27/2023 | 07/13/2023 |
| CA | CUPA BUTTE | CUPA Facility Listing | Public Health Department | 04/21/2017 | 04/25/2017 | 08/09/2017 |
| CA | CUPA CALVERAS | CUPA Facility Listing | Calveras County Environmental Health | 09/12/2023 | 09/13/2023 | 12/04/2023 |
| CA | CUPA COLUSA | CUPA Facility List | Health & Human Services | 04/06/2020 | 04/23/2020 | 07/10/2020 |
| CA | SL CONTRA COSTA | Site List | Contra Costa Health Services Department | 07/05/2023 | 07/20/2023 | 10/05/2023 |
| CA | CUPA DEL NORTE | CUPA Facility List | Del Norte County Environmental Health Divisio | 08/02/2023 | 08/03/2023 | 10/19/2023 |
| CA | CUPA EL DORADO | CUPA Facility List | El Dorado County Environmental Management Dep | 08/08/2022 | 08/09/2022 | 09/01/2022 |
| CA | CUPA FRESNO | CUPA Resources List | Dept. of Community Health | 06/28/2021 | 12/21/2021 | 03/03/2022 |
| CA | CUPA GLENN | CUPA Facility List | Glenn County Air Pollution Control District | 01/22/2018 | 01/24/2018 | 03/14/2018 |
| CA | CUPA HUMBOLDT | CUPA Facility List | Humboldt County Environmental Health | 08/12/2021 | 08/12/2021 | 11/08/2021 |
| CA | CUPA IMPERIAL | CUPA Facility List | San Diego Border Field Office | 07/11/2023 | 07/12/2023 | 09/26/2023 |
| CA | CUPA INYO | CUPA Facility List | Inyo County Environmental Health Services | 04/02/2018 | 04/03/2018 | 06/14/2018 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|----|---------------------------|---|---|------------|------------|-------------|
| CA | CUPA KERN | CUPA Facility List | Kern County Public Health | 07/26/2023 | 07/27/2023 | 08/09/2023 |
| CA | UST KERN | Underground Storage Tank Sites & Tank Listing | Kern County Environment Health Services Depar | 07/26/2023 | 07/27/2023 | 08/03/2023 |
| CA | CUPA KINGS | CUPA Facility List | Kings County Department of Public Health | 12/03/2020 | 01/26/2021 | 04/14/2021 |
| CA | CUPA LAKE | CUPA Facility List | Lake County Environmental Health | 10/27/2023 | 11/01/2023 | 11/21/2023 |
| CA | CUPA LASSEN | CUPA Facility List | Lassen County Environmental Health | 07/31/2020 | 08/21/2020 | 11/09/2020 |
| CA | AOCONCERN | Key Areas of Concerns in Los Angeles County | | 03/30/2009 | 03/31/2009 | 10/23/2009 |
| CA | HMS LOS ANGELES | HMS: Street Number List | Department of Public Works | 06/21/2023 | 06/28/2023 | 09/14/2023 |
| CA | LF LOS ANGELES | List of Solid Waste Facilities | La County Department of Public Works | 07/10/2023 | 07/10/2023 | 09/27/2023 |
| CA | LF LOS ANGELES CITY | City of Los Angeles Landfills | Engineering & Construction Division | 12/31/2022 | 01/12/2023 | 03/29/2023 |
| CA | LOS ANGELES AST | Active & Inactive AST Inventory | Los Angeles Fire Department | 06/01/2019 | 06/25/2019 | 08/22/2019 |
| CA | LOS ANGELES CO LF METHANE | Methane Producing Landfills | Los Angeles County Department of Public Works | 04/13/2023 | 07/13/2023 | 09/27/2023 |
| CA | LOS ANGELES HM | Active & Inactive Hazardous Materials Inventory | Los Angeles Fire Department | 06/20/2023 | 06/22/2023 | 08/09/2023 |
| CA | LOS ANGELES UST | Active & Inactive UST Inventory | Los Angeles Fire Department | 09/01/2023 | 09/20/2023 | 12/08/2023 |
| CA | SITE MIT LOS ANGELES | Site Mitigation List | Community Health Services | 03/02/2023 | 04/18/2023 | 07/07/2023 |
| CA | UST EL SEGUNDO | City of El Segundo Underground Storage Tank | City of El Segundo Fire Department | 01/21/2017 | 04/19/2017 | 05/10/2017 |
| CA | UST LONG BEACH | City of Long Beach Underground Storage Tank | City of Long Beach Fire Department | 04/22/2019 | 04/23/2019 | 06/27/2019 |
| CA | UST TORRANCE | City of Torrance Underground Storage Tank | City of Torrance Fire Department | 04/12/2023 | 05/02/2023 | 06/13/2023 |
| CA | CUPA MADERA | CUPA Facility List | Madera County Environmental Health | 08/10/2020 | 08/12/2020 | 10/23/2020 |
| CA | UST MARIN | Underground Storage Tank Sites | Public Works Department Waste Management | 09/26/2018 | 10/04/2018 | 11/02/2018 |
| CA | UST MENDOCINO | Mendocino County UST Database | Department of Public Health | 09/22/2021 | 11/18/2021 | 11/22/2021 |
| CA | CUPA MERCED | CUPA Facility List | Merced County Environmental Health | 07/25/2023 | 08/03/2023 | 10/19/2023 |
| CA | CUPA MONO | CUPA Facility List | Mono County Health Department | 02/22/2021 | 03/02/2021 | 05/19/2021 |
| CA | CUPA MONTEREY | CUPA Facility Listing | Monterey County Health Department | 10/04/2021 | 10/06/2021 | 12/29/2021 |
| CA | LUST NAPA | Sites With Reported Contamination | Napa County Department of Environmental Manag | 01/09/2017 | 01/11/2017 | 03/02/2017 |
| CA | UST NAPA | Closed and Operating Underground Storage Tank Sites | Napa County Department of Environmental Manag | 09/05/2019 | 09/09/2019 | 10/31/2019 |
| CA | CUPA NEVADA | CUPA Facility List | Community Development Agency | 07/21/2023 | 07/25/2023 | 10/11/2023 |
| CA | IND_SITE ORANGE | List of Industrial Site Cleanups | Health Care Agency | 05/15/2023 | 07/31/2023 | 08/09/2023 |
| CA | LUST ORANGE | List of Underground Storage Tank Cleanups | Health Care Agency | 05/15/2023 | 07/31/2023 | 08/09/2023 |
| CA | UST ORANGE | List of Underground Storage Tank Facilities | Health Care Agency | 04/01/2023 | 05/18/2023 | 06/14/2023 |
| CA | MS PLACER | Master List of Facilities | Placer County Health and Human Services | 11/09/2023 | 11/09/2023 | 11/21/2023 |
| CA | CUPA PLUMAS | CUPA Facility List | Plumas County Environmental Health | 03/31/2019 | 04/23/2019 | 06/26/2019 |
| CA | LUST RIVERSIDE | Listing of Underground Tank Cleanup Sites | Department of Environmental Health | 07/10/2023 | 07/11/2023 | 09/26/2023 |
| CA | UST RIVERSIDE | Underground Storage Tank Tank List | Department of Environmental Health | 07/10/2023 | 07/11/2023 | 09/26/2023 |
| CA | CS SACRAMENTO | Toxic Site Clean-Up List | Sacramento County Environmental Management | 11/07/2022 | 12/21/2022 | 03/16/2023 |
| CA | ML SACRAMENTO | Master Hazardous Materials Facility List | Sacramento County Environmental Management | 11/07/2022 | 12/09/2022 | 03/01/2023 |
| CA | CUPA SAN BENITO | CUPA Facility List | San Benito County Environmental Health | 05/02/2023 | 05/04/2023 | 07/25/2023 |
| CA | PERMITS SAN BERNARDINO | Hazardous Material Permits | San Bernardino County Fire Department Hazardo | 08/15/2023 | 08/16/2023 | 11/01/2023 |
| CA | HMD SAN DIEGO | Hazardous Materials Management Division Database | Hazardous Materials Management Division | 08/28/2023 | 08/29/2023 | 11/13/2023 |
| CA | LF SAN DIEGO | Solid Waste Facilities | Department of Health Services | 04/04/2023 | 04/05/2023 | 06/27/2023 |
| CA | SAN DIEGO CO LOP | Local Oversight Program Listing | Department of Environmental Health | 07/22/2021 | 10/19/2021 | 01/13/2022 |
| CA | SAN DIEGO CO SAM | Environmental Case Listing | San Diego County Department of Environmental | 03/23/2010 | 06/15/2010 | 07/09/2010 |
| CA | CUPA SAN FRANCISCO CO | CUPA Facility Listing | San Francisco County Department of Environmen | 08/04/2023 | 08/08/2023 | 10/26/2023 |
| CA | LUST SAN FRANCISCO | Local Oversite Facilities | Department Of Public Health San Francisco Cou | 09/19/2008 | 09/19/2008 | 09/29/2008 |
| CA | UST SAN FRANCISCO | Underground Storage Tank Information | Department of Public Health | 08/04/2023 | 08/08/2023 | 10/25/2023 |
| CA | SAN FRANCISCO MAHER | Maher Ordinance Property Listing | San Francisco Planning | 07/17/2023 | 07/18/2023 | 10/05/2023 |
| CA | UST SAN JOAQUIN | San Joaquin Co. UST | Environmental Health Department | 06/22/2018 | 06/26/2018 | 07/11/2018 |
| CA | CUPA SAN LUIS OBISPO | CUPA Facility List | San Luis Obispo County Public Health Departme | 08/09/2023 | 08/10/2023 | 10/27/2023 |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| St | Acronym | Full Name | Government Agency | Gov Date | Arvl. Date | Active Date |
|----|-----------------------|--|--|------------|------------|-------------|
| CA | BI SAN MATEO | Business Inventory | San Mateo County Environmental Health Service | 02/20/2020 | 02/20/2020 | 04/24/2020 |
| CA | LUST SAN MATEO | Fuel Leak List | San Mateo County Environmental Health Service | 03/29/2019 | 03/29/2019 | 05/29/2019 |
| CA | CUPA SANTA BARBARA | CUPA Facility Listing | Santa Barbara County Public Health Department | 09/08/2011 | 09/09/2011 | 10/07/2011 |
| CA | CUPA SANTA CLARA | Cupa Facility List | Department of Environmental Health | 11/07/2023 | 11/08/2023 | 11/16/2023 |
| CA | HIST LUST SANTA CLARA | HIST LUST - Fuel Leak Site Activity Report | Santa Clara Valley Water District | 03/29/2005 | 03/30/2005 | 04/21/2005 |
| CA | LUST SANTA CLARA | LOP Listing | Department of Environmental Health | 03/03/2014 | 03/05/2014 | 03/18/2014 |
| CA | CUPA SANTA CRUZ | CUPA Facility List | Santa Cruz County Environmental Health | 01/21/2017 | 02/22/2017 | 05/23/2017 |
| CA | CUPA SHASTA | CUPA Facility List | Shasta County Department of Resource Managemen | 06/15/2017 | 06/19/2017 | 08/09/2017 |
| CA | LUST SOLANO | Leaking Underground Storage Tanks | Solano County Department of Environmental Man | 06/04/2019 | 06/06/2019 | 08/13/2019 |
| CA | UST SOLANO | Underground Storage Tanks | Solano County Department of Environmental Man | 09/15/2021 | 09/16/2021 | 12/09/2021 |
| CA | CUPA SONOMA | Cupa Facility List | County of Sonoma Fire & Emergency Services De | 07/02/2021 | 07/06/2021 | 07/14/2021 |
| CA | LUST SONOMA | Leaking Underground Storage Tank Sites | Department of Health Services | 06/30/2021 | 06/30/2021 | 09/24/2021 |
| CA | CUPA STANISLAUS | CUPA Facility List | Stanislaus County Department of Ennvironmenta | 02/08/2022 | 02/10/2022 | 05/04/2022 |
| CA | UST SUTTER | Underground Storage Tanks | Sutter County Environmental Health Services | 08/03/2023 | 08/24/2023 | 09/12/2023 |
| CA | CUPA TEHAMA | CUPA Facility List | Tehama County Department of Environmental Hea | 08/01/2023 | 08/02/2023 | 10/19/2023 |
| CA | CUPA TRINITY | CUPA Facility List | Department of Toxic Substances Control | 07/11/2023 | 07/12/2023 | 09/26/2023 |
| CA | CUPA TULARE | CUPA Facility List | Tulare County Environmental Health Services D | 10/07/2022 | 10/07/2022 | 12/21/2022 |
| CA | CUPA TUOLUMNE | CUPA Facility List | Divison of Environmental Health | 04/23/2018 | 04/25/2018 | 06/25/2018 |
| CA | BWT VENTURA | Business Plan, Hazardous Waste Producers, and Operating Unde | Ventura County Environmental Health Division | 06/26/2023 | 07/20/2023 | 10/03/2023 |
| CA | LF VENTURA | Inventory of Illegal Abandoned and Inactive Sites | Environmental Health Division | 12/01/2011 | 12/01/2011 | 01/19/2012 |
| CA | LUST VENTURA | Listing of Underground Tank Cleanup Sites | Environmental Health Division | 05/29/2008 | 06/24/2008 | 07/31/2008 |
| CA | MED WASTE VENTURA | Medical Waste Program List | Ventura County Resource Management Agency | 06/26/2023 | 07/25/2023 | 10/13/2023 |
| CA | UST VENTURA | Underground Tank Closed Sites List | Environmental Health Division | 08/28/2023 | 09/06/2023 | 11/28/2023 |
| CA | UST YOLO | Underground Storage Tank Comprehensive Facility Report | Yolo County Department of Health | 04/03/2023 | 04/18/2023 | 06/13/2023 |
| CA | CUPA YUBA | CUPA Facility List | Yuba County Environmental Health Department | 07/24/2023 | 07/26/2023 | 10/11/2023 |

STREET AND ADDRESS INFORMATION

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***FIREBAUGH CSG 1 LLC SOLAR
AND BATTERY STORAGE PROJECT
AIR QUALITY AND GHG
EMISSIONS***

Madera County, California

**March 7, 2024
Updated 3-11-2024**

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I&R Project: 24-024

INTRODUCTION

This report provides the prediction of air pollutant and greenhouse (GHG) gas emissions associated with the Firebaugh CSG 1 LLC Solar and Battery Storage Proposed Project in Madera County, California. The approximately 30-acre solar project is located adjacent to the north of Avenue 7 in northwestern Madera County, approximately 6.8 miles northeast of California State Route 33 near the intersection of Ripperdan Avenue and Avenue 7, as shown in Figures 1 and 2. The Project's potential emissions during construction and operation are assessed in this report. Development projects of this type in the San Joaquin Valley are most likely to cause air quality impacts from emissions generated during construction. There are minor emissions produced from the few workers that visit the site intermittently for maintenance. The San Joaquin Valley Air Pollution Control District (SJVAPCD) has published the Guide for Assessing and Mitigating Air Quality Impacts (GAMAQI) that includes emission-based thresholds for projects.¹

PROJECT DESCRIPTION

The Firebaugh CSG 1 LLC Solar and Battery Storage Project (the 'Project') is a planned small-scale solar facility. The facility will consist of arrays of solar modules mounted on single-axis trackers, along with associated inverters which will convert the DC generation to AC current. The Project would include approximately 12,500 solar modules and 71 string inverters to convert the sun's energy into AC power. The modules will be fully enclosed in metal and glass frames and mounted on steel posts, which will be anchored into the ground using driven steel piers. Each module will measure approximately 3.4 feet by 7.2 feet. The overall height of the array will be approximately 10-feet tall. Additionally, the Project will be equipped with a Battery Energy Storage System (BESS) that will allow onsite renewable energy generation to be stored and dispatched onto the grid when needed. The Project would be interconnected to PG&E's pre-existing electrical distribution system. The Project is planned to be constructed over an approximate twelve month period from December 2024 to December 2025. The first full year of facility operation is expected to be 2025.

¹ SJVAPCD. 2015. Guide for Assessing and Mitigating Air Quality Impacts. March.



Figure 1. Firebaugh CSG 1 LLC Solar and Battery Storage Project Location



Figure 2. Firebaugh CSG 1 LLC Solar and Battery Storage

SJVAPCD RULES AND REGULATIONS

The SJVAPCD has adopted rules and regulations that apply to land use projects, such as the Proposed Project. These are described below.

SJVAPCD Indirect Source Review Rule

In 2005, the SJVAPCD adopted Rule 9510 Indirect Source Review (ISR or Rule 9510) to reduce NO_x and PM₁₀ emissions from new land use development projects. The rule, which became effective March 1, 2006, is the result of state requirements outlined in the region's portion of the State Implementation Plan (SIP). Rule 9510 was amended in December 2017 (and became effective March 21, 2018) to ensure that all large development projects are subject to the rule. The SJVAPCD's SIP commitments are contained in the 2004 Extreme Ozone Attainment Demonstration Plan and the 2003 PM₁₀ Plan. These plans identified the need to reduce PM₁₀ and NO_x substantially in order to attain and maintain the ambient air-pollution standards on schedule.

New projects that would generate substantial air pollutant emissions are subject to this rule. The rule requires projects to mitigate both construction and operational period emissions by applying the SJVAPCD-approved mitigation measures and paying fees to support programs that reduce emissions. The rule requires mitigated exhaust emissions during construction based on the following levels:

- 20 percent reduction from unmitigated baseline in total NO_x exhaust emissions
- 45 percent reduction from unmitigated baseline in total PM₁₀ exhaust emissions

For operational emissions, Rule 9510 requires the following reductions:

- 33.3 percent of the total operational NO_x emissions from unmitigated baseline
- 50 percent of the total operational PM₁₀ exhaust emissions from unmitigated baseline

Fees apply to unmitigated portion of the emissions and are based on estimated costs to reduce the emissions from other sources plus estimated costs to cover administration of the program. Development projects that have mitigated baseline emissions below 2.0 tons of NO_x and 2.0 tons of PM₁₀ are exempt from the mitigation requirements and offset costs of the rule.

Regulation VIII – Fugitive PM₁₀

SJVAPCD controls fugitive PM₁₀ through Regulation VIII (Fugitive PM₁₀ Prohibitions). The purpose of this regulation is to reduce ambient concentrations of PM₁₀ by requiring actions to prevent, reduce or mitigate anthropogenic (human caused) fugitive dust emissions. This applies to activities such as construction, bulk materials, open areas, paved and unpaved roads, material transport, and agricultural areas. Sources regulated are required to provide dust control plans that meet the regulation requirements. Fees are collected by SJVAPCD to cover costs for reviewing plans and conducting field inspections.

Other SJVAPCD Rules

Other SJVAPCD Rules and Regulations that may be applicable to the Project include, but are not limited to:

- Rule 4101 (Visible Emissions): The purpose of this rule is to prohibit the emissions of visible air contaminants to the atmosphere. The provisions of this rule apply to any source operation which emits or may emit air contaminants.
- Rule 4102 (Nuisance): The purpose of this rule is to protect the health and safety of the public, and applies to any source operation that emits or may emit air contaminants or other materials.
- Rule 4601 (Architectural Coatings): The purpose of this rule is to limit Volatile Organic Compounds (VOC) emissions from architectural coatings. Emissions are reduced by limits on VOC content and providing requirements on coatings storage, cleanup, and labeling.
- Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations): The purpose of this rule is to limit VOC emissions from asphalt paving and maintenance operations. Paving operations will be subject to Rule 4641.

The Air District is anticipated to provide a determination of applicable rules/regulations to the Project when specific building, grading, etc. plans are provided to the Air District prior to initiation of construction- and operation-related activities that fall within the purview of the Air District's regulatory authority.

EMISSIONS ANALYSIS

STANDARDS OF SIGNIFICANCE

The SJVAPCD has developed the Guide for Assessing and Mitigating Air Quality Impacts (SJVAPCD 2015), also known as the GAMAQI. The following thresholds of significance, obtained from the SJVAPCD's GAMAQI, are used to determine whether a proposed project would result in significant emissions:

- 1) Construction Emissions of PM. Construction projects are required to comply with Regulation VIII as listed in the SJVAPCD; however, the size of the project and the proximity to sensitive receptors may warrant additional measures.
- 2) Criteria Air Pollutant Emissions. SJVAPCD current adopted thresholds of significance for criteria pollutant emissions and their application is presented in Table 1. These thresholds address both construction and operational emissions. Note that the District treats permitted equipment and activities separately. The project is not considered a source of SOx emissions and would have low CO emissions.
- 3) Ambient Air Quality. Emissions that are predicted to cause or contribute to a violation of an ambient air quality would be considered a significant impact. SJVAPCD recommends that dispersion modeling be conducted for construction or operation when on-site emissions exceed 100 pounds per day after implementation of all mitigation measures.

- 4) Greenhouse Gases (GHGs). In SJVAPCD’s *Guidance for Valley Land-Use Agencies in Addressing GHG Emissions Impacts for New Projects Under CEQA*, the District establishes a requirement that land use development projects demonstrate a 29 percent reduction in GHG emissions from Business-As-Usual (BAU).

TABLE 1 SJVAPCD Air Quality Thresholds of Significance – Criteria Pollutant Emission Levels in Tons Per Year

| Pollutant/Precursor | Construction Emissions | Operational Emissions | |
|--|------------------------|------------------------------------|--|
| | | Permitted Equipment and Activities | Non-Permitted Equipment and Activities |
| Carbon Monoxide (CO) | 100 | 100 | 100 |
| Nitrogen Oxides (NOx) | 10 | 10 | 10 |
| Reactive Organic Gases | 10 | 10 | 10 |
| Sulfur Dioxide (SOx) | 27 | 27 | 27 |
| Particulate Matter – PM ₁₀ | 15 | 15 | 15 |
| Particulate Matter – PM _{2.5} | 15 | 15 | 15 |

Source: San Joaquin Valley Air Pollution Control District, GAMAQI, Page 80, Table 2 or website at <http://www.valleyair.org/transportation/0714-GAMAQI-Criteria-Pollutant-Thresholds-of-Significance.pdf>.

AIR QUALITY EMISSIONS

Project-related air quality impacts fall into two categories: short-term impacts due to construction, and long-term impacts due to the Proposed Project operation. During construction, the Proposed Project would affect local particulate concentrations primarily due to fugitive dust sources and contribute to ozone and PM₁₀/PM_{2.5} levels due to exhaust emissions. Over the long-term, the Proposed Project would result in an increase in emissions of ozone precursors such as ROG and NO_x, primarily due to increased motor vehicle trips (employee trips, site deliveries, and onsite maintenance activities).

Impact: Construction Dust. Construction activity involves a high potential for the emission of fugitive particulate matter emissions that would affect local air quality. This would be *less-than-significant* with implementation of Regulation VIII.

Construction activities would temporarily affect local air quality, causing a temporary increase in particulate dust and other pollutants. Dust emission during periods of construction would increase particulate concentrations at neighboring properties. This impact is potentially significant, but normally it can be mitigated.

The Project construction activities are planned to occur at times from December 2024 through December 2025. For this analysis, all emissions were assumed to occur in 2025. Site preparation and disturbance (e.g., vehicle travel on exposed areas) would likely result in the greatest emissions of dust and PM₁₀/PM_{2.5}. Windy conditions during construction could cause substantial emissions of PM₁₀/PM_{2.5}.

There are no sensitive receptors near the site, as the closest residence is over 7,000 feet away. The SJVAPCD’s GAMAQI emphasizes implementation of effective and comprehensive control

measures. SJVAPCD adopted a set of PM₁₀ fugitive dust rules collectively called Regulation VIII. This regulation essentially prohibits the emissions of visible dust (limited to 20-percent opacity) and requires that disturbed areas or soils be stabilized. Compliance with Regulation VIII during the construction phase of the Proposed Project would be required. Prior to construction of each Project phase, the applicant would be required to submit a dust control plan that meets the regulation requirements. These plans are reviewed by SJVAPCD and construction cannot begin until District approval is obtained. The provisions of Regulation VIII and its constituent rules pertaining to construction activities generally require:

- Effective dust suppression (e.g., watering) for land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill and demolition activities.
- Effective stabilization of all disturbed areas of a construction site, including storage piles, not used for seven or more days.
- Control of fugitive dust from on-site unpaved roads and off-site unpaved access roads.
- Removal of accumulations of mud or dirt at the end of the workday or once every 24 hours from public paved roads, shoulders and access ways adjacent to the site.
- Cease outdoor construction activities that disturb soils during periods with high winds.
- Record keeping for each day dust control measures are implemented.
- Limit traffic speeds on unpaved roads to 15 mph.
- Install sandbags or other erosion control measures to prevent silt runoff to public roadways.
- Landscape or replant vegetation in disturbed areas as quickly as possible.
- Prevent the tracking of dirt on public roadways. Limit access to the construction sites, so tracking of mud or dirt on to public roadways can be prevented. If necessary, use wheel washers for all exiting trucks, or wash off the tires or tracks of all trucks and equipment leaving the site.
- Suspend grading activity when winds (instantaneous gusts) exceed 25 mph or dust clouds cannot be prevented from extending beyond the site.

Anyone who prepares or implements a Dust Control Plan must attend a training course conducted by the District. Construction sites are subject to SJVAPCD inspections under this regulation. Compliance with Regulation VIII, including the effective implementation of a Dust Control Plan that has been reviewed and approved by the SJVAPCD, would reduce dust and PM₁₀ emissions to a *less-than-significant* level.

Impact: Construction Exhaust Emissions. Equipment and vehicle trips associated with construction would emit ozone precursor and particulate matter air pollutants on a temporary basis. Construction emissions would be below the GAMAQI significance threshold. This would be a *less-than-significant* impact.

Construction period air pollutant and GHG emissions occurring within the air basin were modeled using the California Emissions Estimator Model, CalEEMod 2020.4.0 model, with project construction information. This model was developed by the South Coast AQMD and other California Air Districts. SJVAPCD recommends the use of this model for construction and operational analysis of land use development projects². The model predicts emissions of ozone

² Email between Jay Witt (Illingworth & Rodkin, Inc.) and SJVAPCD July 10. While SJVAPCD's website recommend CalEEMod 2016, the District accepts modeling with version CalEEMod 2020.4.0.

precursor pollutants (i.e., ROG and NO_x), particulate matter (i.e., PM₁₀ and PM_{2.5}), and GHG components.

The construction build-out scenario was developed based on the provided construction schedules, construction vehicle trips, and equipment proposed for use. The emissions computed using CalEEMod for this assessment address use of construction equipment, worker vehicle travel, on-site vehicle and truck use, and off-site truck travel by vendors or equipment/material deliveries.

Construction would occur between December 2024 and December 2025. The types, quantity and duration of construction equipment anticipated for construction were provided. The total hours each piece of equipment would operate was divided by the number of workdays in the phase to compute the hours per day that were entered into CalEEMod along with the quantity of equipment. Default horsepower and load factors assigned by CalEEMod were assumed. Construction vehicle trips, the number of trips and average trip distance were provided for the various types of trips: workers, truck deliveries, and hauling.

Both criteria air pollutant exhaust and fugitive dust (i.e., PM₁₀ and PM_{2.5}) were computed by CalEEMod. *Attachment 1* includes the CalEEMod modeling outputs for construction and operational emissions.

Unmitigated (i.e., uncontrolled) emissions from all phases of construction are reported in Table 2. As shown, unmitigated construction emissions would not exceed the applicable SJVAPCD thresholds, including PM₁₀ (exhaust plus fugitive). These emissions are subject to SJVAPCD rules and regulations that would result in controlled emissions from this activity that would be lower than reported in Table 2.

TABLE 2 Annual Construction Emissions in Tons per Year

| Construction Year | ROG | NO _x | CO | PM ₁₀ | PM _{2.5} |
|---------------------------------|------|-----------------|------|------------------|-------------------|
| Uncontrolled Emissions * | | | | | |
| 2025** | 0.05 | 0.49 | 0.36 | 0.02 | 0.02 |
| <i>Significance thresholds</i> | 10 | 10 | 100 | 15 | 15 |
| <i>Exceed Thresholds?</i> | No | No | No | No | No |

* Emissions do not include the effect of measures implemented under Regulation VIII or required by Fresno County.

**Construction starts in late December 2024 with all emissions reported in 2025

Impact: Operational Emissions. Proposed Project operational emissions, generated primarily by traffic and maintenance equipment, would increase emissions of ozone precursors and particulate matter, but they would be below GAMAQI significance thresholds. These increases would be *less-than-significant*.

The CalEEMod model was also used to estimate annual emissions from operation of the Lasgoity Solar Project. The first full year that the Project would be operational is anticipated to be 2026. Emissions were computed using the CalEEMod model. Activity input into the model included the travel activity and on-site equipment usage. Per applicant, the site will require a maximum of one auto and seven pickup or delivery truck trips per year.

The effect of the Proposed Project on regional air quality was evaluated by estimating emissions for the full Project operating in 2026. The annual emissions associated with the Proposed Project are shown in Table 3. Output from CalEEMod is contained in *Attachment 1*.

TABLE 3 Annual Project Operational Emissions in Tons Per Year

| Project | ROG | NO _x | CO | PM ₁₀ ¹ | PM _{2.5} ¹ |
|--------------------------------|-----------|-----------------|-------------------------|-------------------------------|--------------------------------|
| Operations | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| <i>Significance Thresholds</i> | <i>10</i> | <i>10</i> | <i>100</i> ² | <i>15</i> | <i>15</i> |
| <i>Exceed Thresholds?</i> | No | No | No | No | No |

¹Includes both exhaust and fugitive dust emissions.

²Significant if emissions exceed 100 tons per year and then contribute to violation of the NAAQS/CAAQS

Stationary combustion equipment that could emit air pollution during facility operation is not proposed for the Project. Photovoltaic energy projects, such as this one, do not usually include these sources. If stationary sources are included in the Project later, they may require permits from SJVAPCD. Such sources could include combustion emissions from standby emergency generators (rated 50 horsepower or greater). These sources would normally result in minor emissions, compared to those from traffic generation and off-road maintenance equipment reported above. Sources of stationary air pollutant emissions complying with all applicable SJVAPCD regulations generally will not be considered to have a significant air quality impact. Stationary sources that are exempt from SJVAPCD permit requirements due to low emission rates would not be considered to have a significant air quality impact.

Greenhouse Gas Emissions

GHG emissions in terms of carbon dioxide equivalent (CO₂e) are low for both the construction and operational phases of the Proposed Project. A photovoltaic power production facility inherently represents “best performance standards” as compared to other typical forms of electrical power production, i.e., such as fossil-fueled power plants. The operation of the Project would provide electric power with negligible GHG emissions over the life of the project compared with traditional fossil-fueled power plants. Therefore, the Project is consistent with State GHG policy to encourage solar power development as a means to reduce fossil fuels and GHG emissions and improve air quality. GHG Emissions are reported in Table 4 for both construction and operation of the Project.

Based on information provided, the Project is assumed to generate approximately 5.5 megawatts (MW) AC or 6.5 MW DC, which would be approximately 8,733 megawatts (MW) of electricity per year. CalEEMod was used to predict the amount of GHG emissions reduced, assuming a similar amount of power generated in California. In CalEEMod, the “Statewide Average” electric utility was the selected utility and the amount of electricity generated was entered in the mitigation module of CalEEMod for operational emissions (energy).

During operation, the Project would generate less than one metric ton CO₂e associated with maintenance. Electricity generated would offset about 1,803 metric tons.

TABLE 4 Annual Project GHG Emissions in Metric Tons Per Year

| Phase | GHG Emissions |
|--|----------------------|
| 2005 Construction Activity Amortized over 30 years | 14.4 |
| 2026 Full Operation | 0.77 |
| 2026 Energy Production | (1,803) |
| Net GHG Annual Emissions | (1,788) |

*Based on 7.2 MT for construction that was doubled to account for decommissioning

Attachment 1: CalEEMod Output

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|-------------------------|------|-------------------|-------------|--------------------|------------|
| User Defined Industrial | 1.00 | User Defined Unit | 23.00 | 0.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|-------------------------|-------------------|-------------------------|-------|---------------------------|-------|
| Urbanization | Urban | Wind Speed (m/s) | 2.7 | Precipitation Freq (Days) | 45 |
| Climate Zone | 3 | | | Operational Year | 2026 |
| Utility Company | Statewide Average | | | | |
| CO2 Intensity (lb/MWhr) | 453.21 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Statewide Utility Average.

Land Use - User defined for Solar PV Facility.

Construction Phase - From provided schedule.

Off-road Equipment - Eqp provided by filled out worksheet - pile driver inputted as Other Construction Eqp

Off-road Equipment - Eqp provided by filled out worksheet.

Off-road Equipment - Eqp provided by filled out worksheet.

Off-road Equipment - Eqp provided by filled out worksheet.

Off-road Equipment - Eqp provided by filled out worksheet.

Trips and VMT - Worker, vendor, and haul trips based on provided information.

Grading -

Vehicle Trips - According to applicant there will be 1 auto trip and 6 pickup or delivery trips annually. 7 round trips per year. 60 daily miles/trip. Other than that, the site will be

Energy Mitigation - 5,550KW*5.8hrs*0.75*365days.

Operational Off-Road Equipment -

Fleet Mix - Vehicle mix based on 1 auto and 6 pickup or delivery truck trips per year.

| Table Name | Column Name | Default Value | New Value |
|----------------------|----------------------------|---------------|-----------|
| tblConstructionPhase | NumDays | 10.00 | 30.00 |
| tblConstructionPhase | NumDays | 35.00 | 40.00 |
| tblConstructionPhase | NumDays | 370.00 | 60.00 |
| tblConstructionPhase | NumDays | 20.00 | 21.00 |
| tblFleetMix | HHD | 0.03 | 0.00 |
| tblFleetMix | LDA | 0.52 | 0.00 |
| tblFleetMix | LDT1 | 0.05 | 0.14 |
| tblFleetMix | LDT2 | 0.17 | 0.00 |
| tblFleetMix | LHD1 | 0.03 | 0.00 |
| tblFleetMix | LHD2 | 7.2020e-003 | 0.00 |
| tblFleetMix | MCY | 0.02 | 0.00 |
| tblFleetMix | MDV | 0.15 | 0.00 |
| tblFleetMix | MH | 3.2470e-003 | 0.00 |
| tblFleetMix | MHD | 0.01 | 0.86 |
| tblFleetMix | OBUS | 6.4400e-004 | 0.00 |
| tblFleetMix | SBUS | 1.4080e-003 | 0.00 |
| tblFleetMix | UBUS | 3.1100e-004 | 0.00 |
| tblLandUse | LotAcreage | 0.00 | 23.00 |
| tblOffRoadEquipment | HorsePower | 172.00 | 49.00 |
| tblOffRoadEquipment | LoadFactor | 0.42 | 0.37 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |

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| | | | |
|---------------------|----------------------------|---------|--------|
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 1.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 3.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 2.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 4.00 | 0.00 |
| tblOffRoadEquipment | OffRoadEquipmentUnitAmount | 1.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 7.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblOffRoadEquipment | UsageHours | 8.00 | 0.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 45.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 100.00 |
| tblTripsAndVMT | HaulingTripLength | 20.00 | 45.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 4.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 5.00 |
| tblTripsAndVMT | HaulingTripNumber | 0.00 | 2.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 45.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 45.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 45.00 |
| tblTripsAndVMT | VendorTripLength | 7.30 | 45.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 2.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tblTripsAndVMT | VendorTripNumber | 0.00 | 6.00 |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | VendorVehicleClass | HDT_Mix | MHDT |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 45.00 |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 45.00 |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 45.00 |
| tblTripsAndVMT | WorkerTripLength | 10.80 | 45.00 |
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 1.00 |
| tblTripsAndVMT | WorkerTripNumber | 3.00 | 2.00 |
| tblTripsAndVMT | WorkerTripNumber | 3.00 | 0.00 |
| tblTripsAndVMT | WorkerTripNumber | 8.00 | 1.00 |
| tblVehicleTrips | CNW_TL | 7.30 | 60.00 |
| tblVehicleTrips | CNW_TTP | 0.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00 | 100.00 |
| tblVehicleTrips | WD_TR | 0.00 | 0.05 |

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|-------------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2024 | 3.8000e-003 | 0.0412 | 0.0176 | 6.0000e-005 | 0.0374 | 1.6200e-003 | 0.0390 | 0.0134 | 1.4900e-003 | 0.0149 | 0.0000 | 5.5445 | 5.5445 | 1.5200e-003 | 1.1000e-004 | 5.6138 |
| 2025 | 0.0424 | 0.4531 | 0.3424 | 1.0700e-003 | 0.2352 | 0.0170 | 0.2522 | 0.1128 | 0.0157 | 0.1284 | 0.0000 | 97.2211 | 97.2211 | 0.0186 | 5.3200e-003 | 99.2714 |
| Maximum | 0.0424 | 0.4531 | 0.3424 | 1.0700e-003 | 0.2352 | 0.0170 | 0.2522 | 0.1128 | 0.0157 | 0.1284 | 0.0000 | 97.2211 | 97.2211 | 0.0186 | 5.3200e-003 | 99.2714 |

Mitigated Construction

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------|-------------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Year | tons/yr | | | | | | | | | | MT/yr | | | | | |
| 2024 | 3.8000e-003 | 0.0412 | 0.0176 | 6.0000e-005 | 0.0374 | 1.6200e-003 | 0.0390 | 0.0134 | 1.4900e-003 | 0.0149 | 0.0000 | 5.5445 | 5.5445 | 1.5200e-003 | 1.1000e-004 | 5.6138 |
| 2025 | 0.0424 | 0.4531 | 0.3424 | 1.0700e-003 | 0.2352 | 0.0170 | 0.2522 | 0.1128 | 0.0157 | 0.1284 | 0.0000 | 97.2210 | 97.2210 | 0.0186 | 5.3200e-003 | 99.2713 |
| Maximum | 0.0424 | 0.4531 | 0.3424 | 1.0700e-003 | 0.2352 | 0.0170 | 0.2522 | 0.1128 | 0.0157 | 0.1284 | 0.0000 | 97.2210 | 97.2210 | 0.0186 | 5.3200e-003 | 99.2713 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 12-22-2024 | 3-21-2025 | 0.3201 | 0.3201 |
| 2 | 3-22-2025 | 6-21-2025 | 0.1667 | 0.1667 |
| 3 | 6-22-2025 | 9-21-2025 | 0.0492 | 0.0492 |
| | | Highest | 0.3201 | 0.3201 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|--------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.00E-05 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile | 2.0000e-005 | 1.2300e-003 | 2.6000e-004 | 1.0000e-005 | 3.6000e-004 | 1.0000e-005 | 3.7000e-004 | 1.1000e-004 | 1.0000e-005 | 1.1000e-004 | 0.0000 | 0.7368 | 0.7368 | 0.0000 | 1.0000e-004 | 0.7660 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 2.00E-05 | 1.23E-03 | 2.70E-04 | 1.0000e-005 | 3.6000e-004 | 1.0000e-005 | 3.70E-04 | 1.1000e-004 | 1.0000e-005 | 1.10E-04 | 0.0000 | 0.7368 | 0.7368 | 0.0000 | 1.0000e-004 | 0.7660 |

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|----------------|-------------------|
| Area | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 |
| Energy | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | -1,795.1884 | -1,795.1884 | -0.1307 | -0.0158 | 1,803.1779 |
| Mobile | 2.0000e-005 | 1.2300e-003 | 2.6000e-004 | 1.0000e-005 | 3.6000e-004 | 1.0000e-005 | 3.7000e-004 | 1.1000e-004 | 1.0000e-005 | 1.1000e-004 | 0.0000 | 0.7368 | 0.7368 | 0.0000 | 1.0000e-004 | 0.7660 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 2.0000e-005 | 1.2300e-003 | 2.7000e-004 | 1.0000e-005 | 3.6000e-004 | 1.0000e-005 | 3.7000e-004 | 1.1000e-004 | 1.0000e-005 | 1.1000e-004 | 0.0000 | -1,794.4516 | -1,794.4516 | -0.1307 | -0.0157 | 1,802.4118 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|------|-----------|------------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 243,656.56 | 243,656.56 | 0.00 | 15,840.00 | 235,395.66 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|------------------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Staging and Site Preparation | Site Preparation | 12/22/2024 | 1/31/2025 | 5 | 30 | |
| 2 | Grading | Grading | 2/1/2025 | 3/28/2025 | 5 | 40 | |
| 3 | Trenching | Trenching | 3/28/2025 | 5/15/2025 | 5 | 35 | |
| 4 | Construction | Building Construction | 3/29/2025 | 6/20/2025 | 5 | 60 | |
| 5 | Paving | Paving | 6/22/2025 | 7/21/2025 | 5 | 21 | |

Acres of Grading (Site Preparation Phase): 30

Acres of Grading (Grading Phase): 20

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|------------------------------|------------------------------|--------|-------------|-------------|-------------|
| Staging and Site Preparation | Graders | 1 | 8.00 | 187 | 0.41 |
| Staging and Site Preparation | Plate Compactors | 1 | 4.00 | 8 | 0.43 |
| Staging and Site Preparation | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Staging and Site Preparation | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Grading | Excavators | 0 | 0.00 | 158 | 0.38 |
| Grading | Graders | 0 | 0.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 0 | 0.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Trenching | Tractors/Loaders/Backhoes | 1 | 8.00 | 97 | 0.37 |
| Construction | Cranes | 0 | 0.00 | 231 | 0.29 |
| Construction | Forklifts | 0 | 0.00 | 89 | 0.20 |
| Construction | Generator Sets | 0 | 0.00 | 84 | 0.74 |
| Construction | Other Construction Equipment | 1 | 8.00 | 49 | 0.37 |
| Construction | Rough Terrain Forklifts | 1 | 8.00 | 100 | 0.40 |
| Construction | Tractors/Loaders/Backhoes | 0 | 0.00 | 97 | 0.37 |
| Construction | Welders | 0 | 0.00 | 46 | 0.45 |
| Paving | Cement and Mortar Mixers | 1 | 8.00 | 9 | 0.56 |
| Paving | Pavers | 1 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 1 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 0 | 0.00 | 80 | 0.38 |

Trips and VMT

24-024 Lagosity Solar 2026 - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Staging and Site Preparation | 3 | 1.00 | 2.00 | 4.00 | 45.00 | 45.00 | 45.00 | LD_Mix | MHDT | HHDT |
| Grading | 1 | 2.00 | 6.00 | 0.00 | 45.00 | 45.00 | 20.00 | LD_Mix | MHDT | HHDT |
| Trenching | 1 | 0.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Construction | 2 | 0.00 | 6.00 | 5.00 | 45.00 | 45.00 | 100.00 | LD_Mix | MHDT | HHDT |
| Paving | 3 | 1.00 | 6.00 | 2.00 | 45.00 | 45.00 | 45.00 | LD_Mix | MHDT | HHDT |

3.1 Mitigation Measures Construction

3.2 Staging and Site Preparation - 2024

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0370 | 0.0000 | 0.0370 | 0.0133 | 0.0000 | 0.0133 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.7400e-003 | 0.0399 | 0.0171 | 5.0000e-005 | | 1.6100e-003 | 1.6100e-003 | | 1.4900e-003 | 1.4900e-003 | 0.0000 | 4.7142 | 4.7142 | 1.5100e-003 | 0.0000 | 4.7521 |
| Total | 3.7400e-003 | 0.0399 | 0.0171 | 5.0000e-005 | 0.0370 | 1.6100e-003 | 0.0386 | 0.0133 | 1.4900e-003 | 0.0148 | 0.0000 | 4.7142 | 4.7142 | 1.5100e-003 | 0.0000 | 4.7521 |

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 1.2000e-004 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0565 | 0.0565 | 0.0000 | 1.0000e-005 | 0.0591 |
| Vendor | 2.0000e-005 | 1.1500e-003 | 1.8000e-004 | 1.0000e-005 | 3.0000e-004 | 1.0000e-005 | 3.1000e-004 | 9.0000e-005 | 1.0000e-005 | 1.0000e-004 | 0.0000 | 0.6837 | 0.6837 | 0.0000 | 9.0000e-005 | 0.7119 |
| Worker | 3.0000e-005 | 2.0000e-005 | 2.8000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0901 | 0.0901 | 0.0000 | 0.0000 | 0.0907 |
| Total | 5.0000e-005 | 1.2900e-003 | 4.8000e-004 | 1.0000e-005 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 1.2000e-004 | 1.0000e-005 | 1.4000e-004 | 0.0000 | 0.8302 | 0.8302 | 0.0000 | 1.0000e-004 | 0.8618 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0370 | 0.0000 | 0.0370 | 0.0133 | 0.0000 | 0.0133 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 3.7400e-003 | 0.0399 | 0.0171 | 5.0000e-005 | | 1.6100e-003 | 1.6100e-003 | | 1.4900e-003 | 1.4900e-003 | 0.0000 | 4.7142 | 4.7142 | 1.5100e-003 | 0.0000 | 4.7520 |
| Total | 3.7400e-003 | 0.0399 | 0.0171 | 5.0000e-005 | 0.0370 | 1.6100e-003 | 0.0386 | 0.0133 | 1.4900e-003 | 0.0148 | 0.0000 | 4.7142 | 4.7142 | 1.5100e-003 | 0.0000 | 4.7520 |

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|----------|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|

24-024 Lagosity Solar 2026 - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|
| | Hauling | 0.0000 | 1.2000e-004 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | 0.0565 | 0.0565 | 0.0000 | 1.0000e-005 |
| Vendor | 2.0000e-005 | 1.1500e-003 | 1.8000e-004 | 1.0000e-005 | 3.0000e-004 | 1.0000e-005 | 3.1000e-004 | 9.0000e-005 | 1.0000e-005 | 1.0000e-004 | 0.0000 | 0.6837 | 0.6837 | 0.0000 | 9.0000e-005 | 0.7119 |
| Worker | 3.0000e-005 | 2.0000e-005 | 2.8000e-004 | 0.0000 | 1.2000e-004 | 0.0000 | 1.2000e-004 | 3.0000e-005 | 0.0000 | 3.0000e-005 | 0.0000 | 0.0901 | 0.0901 | 0.0000 | 0.0000 | 0.0907 |
| Total | 5.0000e-005 | 1.2900e-003 | 4.8000e-004 | 1.0000e-005 | 4.4000e-004 | 1.0000e-005 | 4.5000e-004 | 1.2000e-004 | 1.0000e-005 | 1.4000e-004 | 0.0000 | 0.8302 | 0.8302 | 0.0000 | 1.0000e-004 | 0.8618 |

3.2 Staging and Site Preparation - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0852 | 0.0000 | 0.0852 | 0.0398 | 0.0000 | 0.0398 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.1175 | 0.0540 | 1.8000e-004 | | 4.6700e-003 | 4.6700e-003 | | 4.3000e-003 | 4.3000e-003 | 0.0000 | 15.4866 | 15.4866 | 4.9700e-003 | 0.0000 | 15.6108 |
| Total | 0.0113 | 0.1175 | 0.0540 | 1.8000e-004 | 0.0852 | 4.6700e-003 | 0.0898 | 0.0398 | 4.3000e-003 | 0.0441 | 0.0000 | 15.4866 | 15.4866 | 4.9700e-003 | 0.0000 | 15.6108 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 1.0000e-005 | 3.9000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.1816 | 0.1816 | 0.0000 | 3.0000e-005 | 0.1901 |
| Vendor | 7.0000e-005 | 3.8000e-003 | 5.3000e-004 | 2.0000e-005 | 9.9000e-004 | 2.0000e-005 | 1.0100e-003 | 3.0000e-004 | 2.0000e-005 | 3.2000e-004 | 0.0000 | 2.2149 | 2.2149 | 0.0000 | 3.1000e-004 | 2.3063 |
| Worker | 9.0000e-005 | 6.0000e-005 | 8.4000e-004 | 0.0000 | 3.8000e-004 | 0.0000 | 3.8000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.2889 | 0.2889 | 0.0000 | 1.0000e-005 | 0.2907 |
| Total | 1.7000e-004 | 4.2500e-003 | 1.4300e-003 | 2.0000e-005 | 1.4300e-003 | 2.0000e-005 | 1.4500e-003 | 4.2000e-004 | 2.0000e-005 | 4.4000e-004 | 0.0000 | 2.6853 | 2.6853 | 0.0000 | 3.5000e-004 | 2.7871 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0852 | 0.0000 | 0.0852 | 0.0398 | 0.0000 | 0.0398 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0113 | 0.1175 | 0.0540 | 1.8000e-004 | | 4.6700e-003 | 4.6700e-003 | | 4.3000e-003 | 4.3000e-003 | 0.0000 | 15.4866 | 15.4866 | 4.9700e-003 | 0.0000 | 15.6108 |
| Total | 0.0113 | 0.1175 | 0.0540 | 1.8000e-004 | 0.0852 | 4.6700e-003 | 0.0898 | 0.0398 | 4.3000e-003 | 0.0441 | 0.0000 | 15.4866 | 15.4866 | 4.9700e-003 | 0.0000 | 15.6108 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|

24-024 Lagosity Solar 2026 - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|
| | Hauling | 1.0000e-005 | 3.9000e-004 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 0.0000 | 6.0000e-005 | 2.0000e-005 | 0.0000 | 2.0000e-005 | 0.0000 | 0.1816 | 0.1816 | 0.0000 | 3.0000e-005 |
| Vendor | 7.0000e-005 | 3.8000e-003 | 5.3000e-004 | 2.0000e-005 | 9.9000e-004 | 2.0000e-005 | 1.0100e-003 | 3.0000e-004 | 2.0000e-005 | 3.2000e-004 | 0.0000 | 2.2149 | 2.2149 | 0.0000 | 3.1000e-004 | 2.3063 |
| Worker | 9.0000e-005 | 8.0000e-005 | 8.4000e-004 | 0.0000 | 3.8000e-004 | 0.0000 | 3.8000e-004 | 1.0000e-004 | 0.0000 | 1.0000e-004 | 0.0000 | 0.2889 | 0.2889 | 0.0000 | 1.0000e-005 | 0.2907 |
| Total | 1.7000e-004 | 4.2500e-003 | 1.4300e-003 | 2.0000e-005 | 1.4300e-003 | 2.0000e-005 | 1.4500e-003 | 4.2000e-004 | 2.0000e-005 | 4.4000e-004 | 0.0000 | 2.6853 | 2.6853 | 0.0000 | 3.5000e-004 | 2.7871 |

3.3 Grading - 2025

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1311 | 0.0000 | 0.1311 | 0.0674 | 0.0000 | 0.0674 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0130 | 0.1326 | 0.0600 | 1.7000e-004 | | 5.8000e-003 | 5.8000e-003 | | 5.3400e-003 | 5.3400e-003 | 0.0000 | 15.0041 | 15.0041 | 4.8500e-003 | 0.0000 | 15.1254 |
| Total | 0.0130 | 0.1326 | 0.0600 | 1.7000e-004 | 0.1311 | 5.8000e-003 | 0.1369 | 0.0674 | 5.3400e-003 | 0.0727 | 0.0000 | 15.0041 | 15.0041 | 4.8500e-003 | 0.0000 | 15.1254 |

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.7000e-004 | 0.0198 | 2.7700e-003 | 1.2000e-004 | 5.1600e-003 | 1.0000e-004 | 5.2500e-003 | 1.5500e-003 | 9.0000e-005 | 1.6400e-003 | 0.0000 | 11.5557 | 11.5557 | 2.0000e-005 | 1.6000e-003 | 12.0327 |
| Worker | 3.0000e-004 | 2.2000e-004 | 2.9200e-003 | 1.0000e-005 | 1.3300e-003 | 1.0000e-005 | 1.3400e-003 | 3.5000e-004 | 1.0000e-005 | 3.6000e-004 | 0.0000 | 1.0049 | 1.0049 | 1.0000e-005 | 2.0000e-005 | 1.0113 |
| Total | 6.7000e-004 | 0.0200 | 5.6900e-003 | 1.3000e-004 | 6.4900e-003 | 1.1000e-004 | 6.5900e-003 | 1.9000e-003 | 1.0000e-004 | 2.0000e-003 | 0.0000 | 12.5606 | 12.5606 | 3.0000e-005 | 1.6200e-003 | 13.0440 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.1311 | 0.0000 | 0.1311 | 0.0674 | 0.0000 | 0.0674 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0130 | 0.1326 | 0.0600 | 1.7000e-004 | | 5.8000e-003 | 5.8000e-003 | | 5.3400e-003 | 5.3400e-003 | 0.0000 | 15.0041 | 15.0041 | 4.8500e-003 | 0.0000 | 15.1254 |
| Total | 0.0130 | 0.1326 | 0.0600 | 1.7000e-004 | 0.1311 | 5.8000e-003 | 0.1369 | 0.0674 | 5.3400e-003 | 0.0727 | 0.0000 | 15.0041 | 15.0041 | 4.8500e-003 | 0.0000 | 15.1254 |

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|----------|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|

24-024 Lagosity Solar 2026 - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| | Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 3.7000e-004 | 0.0198 | 2.7700e-003 | 1.2000e-004 | 5.1600e-003 | 1.0000e-004 | 5.2500e-003 | 1.5500e-003 | 9.0000e-005 | 1.6400e-003 | 0.0000 | 11.5557 | 11.5557 | 2.0000e-005 | 1.6000e-003 | 12.0327 |
| Worker | 3.0000e-004 | 2.2000e-004 | 2.9200e-003 | 1.0000e-005 | 1.3300e-003 | 1.0000e-005 | 1.3400e-003 | 3.5000e-004 | 1.0000e-005 | 3.6000e-004 | 0.0000 | 1.0049 | 1.0049 | 1.0000e-005 | 2.0000e-005 | 1.0113 |
| Total | 6.7000e-004 | 0.0200 | 5.6900e-003 | 1.3000e-004 | 6.4900e-003 | 1.1000e-004 | 6.5900e-003 | 1.9000e-003 | 1.0000e-004 | 2.0000e-003 | 0.0000 | 12.5606 | 12.5606 | 3.0000e-005 | 1.6200e-003 | 13.0440 |

3.4 Trenching - 2025

Unmitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 2.3100e-003 | 0.0234 | 0.0390 | 5.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 8.7000e-004 | 8.7000e-004 | 0.0000 | 4.7954 | 4.7954 | 1.5500e-003 | 0.0000 | 4.8341 |
| Total | 2.3100e-003 | 0.0234 | 0.0390 | 5.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 8.7000e-004 | 8.7000e-004 | 0.0000 | 4.7954 | 4.7954 | 1.5500e-003 | 0.0000 | 4.8341 |

Unmitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated Construction On-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 2.3100e-003 | 0.0234 | 0.0390 | 5.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 8.7000e-004 | 8.7000e-004 | 0.0000 | 4.7954 | 4.7954 | 1.5500e-003 | 0.0000 | 4.8341 |
| Total | 2.3100e-003 | 0.0234 | 0.0390 | 5.0000e-005 | | 9.5000e-004 | 9.5000e-004 | | 8.7000e-004 | 8.7000e-004 | 0.0000 | 4.7954 | 4.7954 | 1.5500e-003 | 0.0000 | 4.8341 |

Mitigated Construction Off-Site

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|--------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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| | | | | | | | | | | | | | | | | |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 0.0000 |

3.5 Construction - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | M1/yr | | | | | |
| Off-Road | 0.0102 | 0.0798 | 0.1153 | 1.6000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3600e-003 | 3.3600e-003 | 0.0000 | 13.6855 | 13.6855 | 4.4300e-003 | 0.0000 | 13.7961 |
| Total | 0.0102 | 0.0798 | 0.1153 | 1.6000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3600e-003 | 3.3600e-003 | 0.0000 | 13.6855 | 13.6855 | 4.4300e-003 | 0.0000 | 13.7961 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Category | tons/yr | | | | | | | | | | M1/yr | | | | | |
| Hauling | 2.0000e-005 | 1.3500e-003 | 1.6000e-004 | 1.0000e-005 | 2.1000e-004 | 1.0000e-005 | 2.3000e-004 | 6.0000e-005 | 1.0000e-005 | 7.0000e-005 | 0.0000 | 0.6498 | 0.6498 | 0.0000 | 1.0000e-004 | 0.6803 |
| Vendor | 5.5000e-004 | 0.0297 | 4.1600e-003 | 1.8000e-004 | 7.7400e-003 | 1.4000e-004 | 7.8800e-003 | 2.3300e-003 | 1.4000e-004 | 2.4700e-003 | 0.0000 | 17.3336 | 17.3336 | 3.0000e-005 | 2.4000e-003 | 18.0490 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.7000e-004 | 0.0311 | 4.3200e-003 | 1.9000e-004 | 7.9500e-003 | 1.5000e-004 | 8.1100e-003 | 2.3900e-003 | 1.5000e-004 | 2.5400e-003 | 0.0000 | 17.9834 | 17.9834 | 3.0000e-005 | 2.5000e-003 | 18.7293 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | M1/yr | | | | | |
| Off-Road | 0.0102 | 0.0798 | 0.1153 | 1.6000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3600e-003 | 3.3600e-003 | 0.0000 | 13.6855 | 13.6855 | 4.4300e-003 | 0.0000 | 13.7961 |
| Total | 0.0102 | 0.0798 | 0.1153 | 1.6000e-004 | | 3.6500e-003 | 3.6500e-003 | | 3.3600e-003 | 3.3600e-003 | 0.0000 | 13.6855 | 13.6855 | 4.4300e-003 | 0.0000 | 13.7961 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
| Category | tons/yr | | | | | | | | | | M1/yr | | | | | |
| Hauling | 2.0000e-005 | 1.3500e-003 | 1.6000e-004 | 1.0000e-005 | 2.1000e-004 | 1.0000e-005 | 2.3000e-004 | 6.0000e-005 | 1.0000e-005 | 7.0000e-005 | 0.0000 | 0.6498 | 0.6498 | 0.0000 | 1.0000e-004 | 0.6803 |
| Vendor | 5.5000e-004 | 0.0297 | 4.1600e-003 | 1.8000e-004 | 7.7400e-003 | 1.4000e-004 | 7.8800e-003 | 2.3300e-003 | 1.4000e-004 | 2.4700e-003 | 0.0000 | 17.3336 | 17.3336 | 3.0000e-005 | 2.4000e-003 | 18.0490 |
| Worker | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

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| | | | | | | | | | | | | | | | | |
|-------|-------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|---------|---------|-------------|-------------|---------|
| Total | 5.7000e-004 | 0.0311 | 4.3200e-003 | 1.9000e-004 | 7.9500e-003 | 1.5000e-004 | 8.1100e-003 | 2.3900e-003 | 1.5000e-004 | 2.5400e-003 | 0.0000 | 17.9834 | 17.9834 | 3.0000e-005 | 2.5000e-003 | 18.7293 |
|-------|-------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|---------|---------|-------------|-------------|---------|

3.6 Paving - 2025

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 3.9800e-003 | 0.0338 | 0.0604 | 1.0000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.4700e-003 | 1.4700e-003 | 0.0000 | 8.5713 | 8.5713 | 2.6700e-003 | 0.0000 | 8.6379 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.9800e-003 | 0.0338 | 0.0604 | 1.0000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.4700e-003 | 1.4700e-003 | 0.0000 | 8.5713 | 8.5713 | 2.6700e-003 | 0.0000 | 8.6379 |

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 2.5000e-004 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.1184 | 0.1184 | 0.0000 | 2.0000e-005 | 0.1240 |
| Vendor | 1.9000e-004 | 0.0104 | 1.4600e-003 | 6.0000e-005 | 2.7100e-003 | 5.0000e-005 | 2.7600e-003 | 8.1000e-004 | 5.0000e-005 | 8.6000e-004 | 0.0000 | 6.0668 | 6.0668 | 1.0000e-005 | 8.4000e-004 | 6.3172 |
| Worker | 8.0000e-005 | 6.0000e-005 | 7.7000e-004 | 0.0000 | 3.5000e-004 | 0.0000 | 3.5000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.2638 | 0.2638 | 0.0000 | 1.0000e-005 | 0.2655 |
| Total | 2.7000e-004 | 0.0107 | 2.2700e-003 | 6.0000e-005 | 3.1000e-003 | 5.0000e-005 | 3.1500e-003 | 9.1000e-004 | 5.0000e-005 | 9.6000e-004 | 0.0000 | 6.4490 | 6.4490 | 1.0000e-005 | 8.7000e-004 | 6.7066 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 3.9800e-003 | 0.0338 | 0.0604 | 1.0000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.4700e-003 | 1.4700e-003 | 0.0000 | 8.5712 | 8.5712 | 2.6700e-003 | 0.0000 | 8.6379 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 3.9800e-003 | 0.0338 | 0.0604 | 1.0000e-004 | | 1.5900e-003 | 1.5900e-003 | | 1.4700e-003 | 1.4700e-003 | 0.0000 | 8.5712 | 8.5712 | 2.6700e-003 | 0.0000 | 8.6379 |

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|--------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 2.5000e-004 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 0.0000 | 4.0000e-005 | 1.0000e-005 | 0.0000 | 1.0000e-005 | 0.0000 | 0.1184 | 0.1184 | 0.0000 | 2.0000e-005 | 0.1240 |
| Vendor | 1.9000e-004 | 0.0104 | 1.4600e-003 | 6.0000e-005 | 2.7100e-003 | 5.0000e-005 | 2.7600e-003 | 8.1000e-004 | 5.0000e-005 | 8.6000e-004 | 0.0000 | 6.0668 | 6.0668 | 1.0000e-005 | 8.4000e-004 | 6.3172 |
| Worker | 8.0000e-005 | 6.0000e-005 | 7.7000e-004 | 0.0000 | 3.5000e-004 | 0.0000 | 3.5000e-004 | 9.0000e-005 | 0.0000 | 9.0000e-005 | 0.0000 | 0.2638 | 0.2638 | 0.0000 | 1.0000e-005 | 0.2655 |

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| | | | | | | | | | | | | | | | | |
|-------|-------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|-------------|-------------|--------|
| Total | 2.7000e-004 | 0.0107 | 2.2700e-003 | 6.0000e-005 | 3.1000e-003 | 5.0000e-005 | 3.1500e-003 | 9.1000e-004 | 5.0000e-005 | 9.6000e-004 | 0.0000 | 6.4490 | 6.4490 | 1.0000e-005 | 8.7000e-004 | 6.7066 |
|-------|-------------|--------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|--------|--------|-------------|-------------|--------|

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|--------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 2.0000e-005 | 1.2300e-003 | 2.6000e-004 | 1.0000e-005 | 3.6000e-004 | 1.0000e-005 | 3.7000e-004 | 1.1000e-004 | 1.0000e-005 | 1.1000e-004 | 0.0000 | 0.7368 | 0.7368 | 0.0000 | 1.0000e-004 | 0.7660 |
| Unmitigated | 2.0000e-005 | 1.2300e-003 | 2.6000e-004 | 1.0000e-005 | 3.6000e-004 | 1.0000e-005 | 3.7000e-004 | 1.1000e-004 | 1.0000e-005 | 1.1000e-004 | 0.0000 | 0.7368 | 0.7368 | 0.0000 | 1.0000e-004 | 0.7660 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|-------------------------|-------------------------|----------|--------|-------------|------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| User Defined Industrial | 0.05 | 0.00 | 0.00 | 780 | 780 |
| Total | 0.05 | 0.00 | 0.00 | 780 | 780 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|-------------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| User Defined Industrial | 9.50 | 7.30 | 60.00 | 0.00 | 0.00 | 100.00 | 100 | 0 | 0 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| User Defined Industrial | 0.000000 | 0.140000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.860000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Kilowatt Hours of Renewable Electricity Generated

| Category | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|---------|---------|-------------|
| | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | -1,795.1884 | -1,795.1884 | -0.1307 | -0.0158 | -1,803.1779 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Natural Gas Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Natural Gas Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

5.2 Energy by Land Use - Natural Gas

Unmitigated

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| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| User Defined Industrial | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 |

Mitigated

| | Natural Gas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| User Defined Industrial | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 |

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|---------------|---------------|---------------|---------------|
| Land Use | kWh/yr | MT/yr | | | |
| User Defined Industrial | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------------|--------------------|----------------|----------------|--------------------|
| Land Use | kWh/yr | MT/yr | | | |
| User Defined Industrial | - | -1,795.1884 | -0.1307 | -0.0158 | -1,803.1779 |
| Total | | -1,795.1884 | -0.1307 | -0.0158 | -1,803.1779 |

6.0 Area Detail

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |

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| | | | | | | | | | | | | | | | | |
|-------------|--------|--------|-------------|--------|--|--------|--------|--|--------|--------|--------|-------------|-------------|--------|--------|-------------|
| Mitigated | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 |
| Unmitigated | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 |

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e | |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 | |
| Total | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 | |

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Landscaping | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 |
| Total | 0.0000 | 0.0000 | 1.0000e-005 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 2.0000e-005 | 2.0000e-005 | 0.0000 | 0.0000 | 2.0000e-005 |

7.0 Water Detail

7.1 Mitigation Measures Water

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| Category | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

7.2 Water by Land Use

Unmitigated

| Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|--------------------|-----------|-------|-----|------|
| Land Use | Mgal | MT/yr | | |
| | | | | |

24-024 Lagosity Solar 2026 - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | | | |
|-------------------------|-------|---------------|---------------|---------------|---------------|
| User Defined Industrial | 0 / 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------|---------------|---------------|---------------|
| Land Use | Mgal | MT/yr | | |
| User Defined Industrial | 0 / 0 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|--------|
| | MT/yr | | | |
| Mitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Unmitigated | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

8.2 Waste by Land Use

Unmitigated

| Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | |
| User Defined Industrial | 0 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 |

Mitigated

| Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|-----------|---------------|---------------|---------------|
| Land Use | tons | MT/yr | | |
| User Defined Industrial | 0 | 0.0000 | 0.0000 | 0.0000 |
| Total | | 0.0000 | 0.0000 | 0.0000 |

24-024 Lagosity Solar 2026 - San Joaquin Valley Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation



**FIREBAUGH CSG 1 LLC SOLAR AND BATTERY
STORAGE PROJECT, BIOLOGICAL RESOURCES
ASSESSMENT**

MADERA COUNTY, CALIFORNIA

MARCH 2024

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Biological Resources Assessment
Madera County, California

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Kleinfelder Project No. 24003677.001A

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FIREBAUGH CSG 1 LLC SOLAR AND BATTERY STORAGE PROJECT

BIOLOGICAL RESOURCES ASSESSMENT

SUMMARY

The proposed Dimension Renewable Energy (DRE) Firebaugh CSG 1 LLC Solar and Battery Storage Project (Project) involves the construction of a community-scale solar generation and battery storage facility, located in Madera County, California (Figure 1). In December of 2023, Kleinfelder biologists performed a desktop review and a field verification survey to identify and characterize existing biological resources, to the extent possible, and determine the potential for special-status species and/or sensitive habitats (as defined by state and federal resource agencies) to occur.

The field survey focused on an approximate 50-acre section of a 321-acre parcel where the array and access road will be located, and an approximately 0.5-mile existing dirt road that would serve as the interconnect route (Project Area; Figure 2). An additional area just north of Firebaugh Road will be used for the interconnect point (referenced as “interconnect area” throughout this document) and was also included in the field survey; however, the utility company would perform the work in this area to connect the Project to the POI, not the Project proponent (Figure 2). The Project Area and the interconnect area will be referenced as the Study Area throughout this document.

Based on the results of the desktop review and field verification survey, one special-status wildlife species, Swainson’s hawk (*Buteo swainsoni*), was determined to have a moderate potential to occur in the Study Area and surrounding vicinity. No special-status plant species have a moderate or greater potential to occur in the Project Area due to the high level of disturbance and lack of suitable habitat in this area.

This report serves to document the methods and results of the December 2023 biological field survey, describes potential biological resource constraints associated with construction of a solar facility at the site, and provides recommendations to address these constraints. This assessment does not provide a comprehensive impact analysis; however, the recommendations provided could be integrated into subsequent environmental documentation to ensure compliance with the California Environmental Quality Act (CEQA).

1 INTRODUCTION

1.1 BACKGROUND AND PROJECT DESCRIPTION

Firebaugh CSG 1 LLC proposes to construct and operate the Firebaugh CSG 1 Solar and Battery Storage Project (Project) which will consist of a single-axis tracker, ground mounted photovoltaic (PV) community solar and battery storage facility, with approximately 6.5 megawatts (MW) of direct current (DC) and 5.00 MW alternating current (AC) capacity. The Project is proposed to be located on a privately-owned parcel in Madera County, California, and will generate and store clean and renewable solar energy, with electricity offtake sold to residential customers within Madera County and the larger Pacific Gas and Electric (PG&E) Utility Territory.

The proposed Project will utilize approximately 12,500 solar modules. The modules are manufactured offsite and will be delivered to the site by truck in wooden crates or cardboard boxes. Each module will measure approximately 3.4 feet by 7.2 feet and will be rated at approximately 550 watts. Solar modules are fully enclosed in metal and glass frames, typically one module high and will rotate throughout the day to maximize sun exposure.

The frames of solar modules will be mounted on steel posts, which would be driven or screwed into the ground to a depth between approximately 10 and 15 feet. The posts will be made from galvanized or corrosion-resistant metal to minimize the potential for corrosion over the lifespan of the Project.

The proposed Project will include a Battery Energy Storage System (BESS), intended to store electrical energy produced by the Project during the day and flexibly dispatch it to the grid when it is most needed, typically in the evening. The BESS will be comprised of separate battery banks located centrally within the project footprint. Each battery bank is approximately the size of a standard shipping container. Firebaugh CSG 1 LLC will utilize state-of-the-art battery technology with an emphasis on safety. Redundant safety measures will include hydrogen detection and active ventilation, fire detection and remote shutdown, fireproof insulation, and internal fire suppression technology. Access roads will be placed throughout the facility so that a road will connect directly to the BESS and provide easy access to the panels.

The solar array and all balance of system equipment will be enclosed in a seven-foot-tall chain link fence in compliance with the National Electric Code. The fence will have at least one vehicle access gate at the boundary of the array, which will always remain locked, except during operations and maintenance activities. A Knox box will be installed at the entrance gate to provide 24-hour access for emergency responders.

Completion of the Project will require a connection to existing PG&E facilities in the interconnect area. No ground disturbance is planned in this area as of the date of this report, as the connection is expected to be made via an overhead crossing over Firebaugh Boulevard to an existing power pole. However, PG&E may require a guy wire or guide pole to be attached to the existing pole. This work would be performed by PG&E typically after Project construction is complete, and is not part of the Project assessed in this report. For the purposes of this analysis, it is assumed that the interconnect line from the development footprint to the interconnect area will be buried underground or installed overhead along the interconnect route and daylight at the northern end of the interconnect route to connect to an existing power pole, where it would connect overhead to the interconnect area.

1.2 OBJECTIVES

The purpose of this analysis is to evaluate the Study Area to assess the potential for special-status plant and wildlife species and sensitive natural communities to occur, and the potential effects to these biological resources due to construction and operation of the Project. This assessment provides the methods and results of the field survey, including vegetation communities and land cover types present within the Study Area, special-status plant and wildlife species detected or with potential to occur within the Study Area, the presence of wildlife movement corridors or federally designated critical habitat within or adjacent to the Study Area, and any additional focused surveys necessary to further evaluate potential effects to biological resources that could occur within the Study Area. Recommendations to avoid and minimize impacts to these resources are provided in Section 5 of this document.

1.3 PROJECT LOCATION

The Project Area is located on a 321-acre parcel, approximately seven miles east of the City of Firebaugh at 10302 Ave 7 ½ (APN 042-082-006) in Madera County, California (Figure 2). The approximate 0.91-acre interconnect area is situated along the north side of Firebaugh Boulevard, approximately 0.5 mile north of the Project Area (Figure 2). The Study Area is situated at an elevation of approximately 160 feet above mean sea level (AMSL) and is surrounded by agriculture. The land north and west of the interconnect area is undeveloped. The Project Area is currently a fallow field that experiences periodic disturbance via tilling or other means, and the fields on the northern, eastern, and southern boundaries of the Project Area are also fallow. A vineyard is situated along the western boundary of the Project Area. Adjacent land uses are primarily agricultural with scattered rural residences (Figure 2).

The Project Area is situated within Township 12 South, Range 15 East, and Sections 21, 27, and 28 of the Mendota Dam 7.5-minute U.S. Geological Survey (USGS) quadrangles. The corresponding latitude and longitude at the approximate center of the Project Area is 36°51'22.13" north latitude and 120°19'30.99" west longitude.

2 REGULATORY SETTING

2.1 FEDERAL

Federal Endangered Species Act

The Federal Endangered Species Act (FESA) prohibits the taking, possession, sale, or transport of endangered species. Pursuant to the requirements of FESA, a federal agency reviewing a proposed action within its jurisdiction must determine whether any federally listed threatened or endangered species could be present and determine the extent of effects to such species due to the proposed action. In addition, federal agencies are required to determine whether a proposed action is likely to jeopardize the continued existence of any species listed or proposed to be listed under FESA, or result in the destruction or adverse modification of critical habitat designated for such species (16 U.S. Code [USC] 1536[3], [4]). Projects that would result in "take" of any federally listed threatened or endangered species are required to obtain authorization from the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) through either Section 7 (interagency consultation) or Section 10(a) (incidental take permit) of FESA, depending on whether the federal government is involved in permitting or funding the project.

Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) regulates or prohibits taking, killing, possession of, or harm to migratory bird species listed in Title 50 Code of Federal Regulations (CFR) Section 10.13. The MBTA is an international treaty for the conservation and management of bird species that migrate through more than one country and is enforced in the United States by the USFWS. Hunting of specific migratory game birds is permitted under the regulations listed in Title 50 CFR 20. The MBTA was amended in 1972 to include protection for migratory birds-of-prey (raptors).

Federal Clean Water Act

Section 404

The objective of the Clean Water Act (CWA) is to restore and maintain the chemical, physical, and biological integrity of the Nation's waters. Under Section 404 of the CWA, the U.S. Army Corps of Engineers (ACOE) has the authority to regulate activities that could discharge fill or dredge material or otherwise adversely modify wetlands or other waters of the United States. The ACOE implements the federal policy embodied in Executive Order 11990, which, when implemented, is intended to result in no net loss of wetland values or function.

Section 401

The State Water Resources Control Board (SWRCB) has authority over wetlands through Section 401 of the CWA, as well as the Porter-Cologne Act, California Code of Regulations Section 3831(k), and California Wetlands Conservation Policy. The CWA requires that an applicant for a Section 404 permit (to discharge dredged or fill material into waters of the United States) first obtain certification from the appropriate state agency stating that the fill is consistent with the State's water quality standards and criteria. In California, the authority to either grant certification or waive the requirement for permits is delegated by the SWRCB to the nine regional boards. The Regional Water Quality Control Board (RWQCB) has authority for Section 401 compliance in the Project Area. A request for certification is submitted to the regional board at the same time that an application is filed with the ACOE.

2.2 STATE

California Endangered Species Act (CESA)

Under the CESA, the California Fish and Wildlife Commission (CFWC) has the responsibility of maintaining a list of threatened species and endangered species. The California Department of Fish and Wildlife (CDFW) also maintains lists of species of special concern. A Species of Special Concern (SSC) is a species, subspecies, or distinct population of an animal native to California that currently satisfies one or more of the following (not necessarily mutually exclusive) criteria:

- is extirpated from the State or, in the case of birds, in its primary seasonal or breeding role;
- is listed as Federally-, but not State-, threatened or endangered;
- meets the State definition of threatened or endangered but has not formally been listed;
- is experiencing, or formerly experienced, serious (nonscyclical) population declines or range retractions (not reversed) that, if continued or resumed, could qualify it for State threatened or endangered status;

- has naturally small populations exhibiting high susceptibility to risk from any factor(s), that if realized, could lead to declines that would qualify it for State threatened or endangered status.

CESA prohibits the take of state-listed animals and plants in most cases, but CDFW may issue incidental take permits under special conditions. Pursuant to the requirements of CESA, a state agency reviewing a project within its jurisdiction must determine whether any state-listed endangered or threatened species could be present on the property and determine whether the project would have a potentially significant impact on such species.

California Fish and Game Code Sections 3503, 3511, 3513, 4150

Fish and Game Code Section 3503 states that it is unlawful to take, possess, or needlessly destroy the nests or eggs of any bird, except as otherwise provided by this code or any regulation made pursuant thereto. Fish and Game Code Section 3503.5 protects all birds-of-prey (raptors) and their eggs and nests. Section 3511 states fully protected birds or parts thereof may not be taken or possessed at any time. Section 3513 states that it is unlawful to take or possess any migratory non-game bird as designated in the Migratory Bird Treaty Act. All nongame mammals, including bats, are protected by California Fish and Game Code 4150.

California Fish and Game Code Sections 1600-1616

Under Sections 1600-1616 of the California Fish and Game Code, the CDFW regulates activities that would alter the flow, bed, channel, or bank of streams and lakes. The limits of CDFW's jurisdiction are defined in the code as the "... bed, channel or bank of any river, stream, or lake designated by the department in which there is at any time an existing fish or wildlife resource or from which these resources derive benefit ..." (Section 1601). In practice, the CDFW usually marks its jurisdictional limit at the top of the stream or bank, or at the outer edge of the riparian vegetation, whichever is wider.

CDFW Wetlands Protection Regulations

CDFW derives its authority to oversee activities that affect wetlands from state legislation. This authority includes Sections 1600-1616 of the California Fish and Game Code (CFG; lake and streambed alteration agreements), CESA (protection of state listed species and their habitats - which could include wetlands), and the Keene-Nejedly California Wetlands Preservation Act of 1976 (states a need for an affirmative and sustained public policy program directed at wetlands preservation, restoration, and enhancement). In general, the CDFW asserts authority over wetlands within the state either through review and comment on ACOE Section 404 permits, review and comment on CEQA documents, preservation of state listed species, or through stream and lakebed alteration agreements.

Porter-Cologne Water Quality Control Act

The Porter-Cologne Water Quality Control Act established the SWRCB and each RWQCB as the principal state agencies responsible for the protection of water quality in California. As noted above, the RWQCB has regulatory authority over the Project Area. The Porter-Cologne Water Quality Control Act provides that, "All discharges of waste into the waters of the State are privileges, not rights." Waters of the State are defined in Section 13050(e) of the Porter-Cologne Water Quality Control Act as "...any surface water or groundwater, including saline waters, within the boundaries of the state." All dischargers are subject to regulation under the Porter Cologne Water Quality Control Act, including both point and nonpoint source dischargers. The RWQCB has the authority to implement water quality protection standards through the issuance of permits for discharges to waters at

locations within its jurisdiction. As noted above, the RWQCB is the appointed authority for Section 401 compliance in the Project Area.

California Environmental Quality Act

Although threatened and endangered species are protected by specific federal and state statutes, California Environmental Quality Act (CEQA) Guidelines Section 15380(b) provides that a species not listed on the federal or state list of protected species may be considered rare or endangered if the species can be shown to meet certain criteria. These criteria have been modeled after the definition in FESA and the section of the California Fish and Game Code dealing with rare or endangered plants and animals and allows a public agency to undertake a review to determine if a significant effect on a species that has not yet been listed by either the USFWS or CDFW (i.e., species of concern) would occur. Whether a species is rare, threatened, or endangered can be legally significant because, under CEQA Guidelines Section 15065, an agency must find an impact to be significant if a project would “substantially reduce the number or restrict the range of an endangered, rare, or threatened species.” Thus, CEQA provides an agency with the ability to protect a species from a project’s potential impacts until the respective government agencies have an opportunity to designate the species as protected, if warranted.

3 METHODS

3.1 DESKTOP REVIEW

Special-status plant and wildlife species present or potentially present within or adjacent to the Study Area were initially identified through a desktop literature review using the following sources: USFWS Information for Planning and Consultation (IPaC) Trust Resource Report (USFWS 2023a); CDFW California Natural Diversity Database (CNDDDB) (CDFW 2023a); and the California Native Plant Society (CNPS) Online Inventory of Rare and Endangered Vascular Plants (CNPS 2023). Additionally, the U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) was queried to determine soil types that exist within the boundary of the Study Area (USDA 2023), along with the California Essential Habitat Connectivity Project (CDFW 2023b), and the USFWS National Wetland Inventory (USFWS 2023b) Wetland Mapper tool. The CNDDDB and CNPS database searches included the 7.5-minute USGS Mendota Dam quadrangle and surrounding eight quadrangles (known as a “nine-quad search”). The IPaC search included the Study Area and a two-mile buffer surrounding the Study Area. Following a review of these resources, Kleinfelder also reviewed relevant life history information on those species documented as occurring in the region, including habitat type, soils, and elevation preferences.

3.2 DEFINITION OF SPECIAL-STATUS SPECIES

Special-status plant and wildlife species with state and/or federal protections as described under FESA or CESA in Section 2 above are specifically defined below.

3.2.1 SPECIAL-STATUS WILDLIFE SPECIES

Special-status wildlife species include taxa designated as follows:

- Threatened, endangered, or candidate for listing under the FESA
- Threatened, endangered, or rare under the CESA

- CDFW species of special concern or fully protected species

3.2.2 SPECIAL-STATUS PLANT SPECIES

Special-status plant species include taxa designated as follows:

- Threatened, endangered, or candidate for listing under the FESA
- Threatened, endangered, or rare under the CESA
- Species with California Rare Plant Ranks (CRPRs) as described below (CNPS 2023):
 - 1A – Plants presumed extinct in California
 - 1B – Plants considered rare, threatened, or endangered in California and elsewhere
 - 2 – Plants considered rare, threatened, or endangered in California, but more common elsewhere

3.3 FIELD SURVEY

A field survey was performed by Kleinfelder biologist Katie Gray on December 20, 2023, to evaluate botanical and wildlife resources within the Study Area, including habitat suitability for special-status species.

The survey was performed by walking throughout the Study Area to map and characterize vegetation communities and land cover types, collect data on the relative quality of, and potential for existing habitats to support the special-status species identified during the preliminary database and resources review discussed previously, and to identify any other sensitive biological resources present or potentially present within the site. An aerial photograph and georeferenced mobile map with an overlay of the survey area boundary was utilized to map vegetation communities and record any special-status or sensitive biological resources while in the field. Protocol-level surveys for special-status plant and wildlife species were not conducted during this time. However, any incidental observations of such species were documented during the field survey.

Kleinfelder conducted a constraints-level analysis for potentially jurisdictional wetlands and waters based on current and historic aerial photography signatures and field observations. The analysis was based on criteria provided by the following agencies:

- Waters of the U.S., including wetlands, under the jurisdiction of the ACOE, pursuant to Section 404 of the CWA.
- Wetlands and Waters of the State under the jurisdiction of the Regional Water Quality Control Board, pursuant to Section 401 of the CWA and the Porter-Cologne Water Quality Control Act (Porter-Cologne Act).
- Rivers, streams, or lakes under the jurisdiction of CDFW, pursuant to Section 1602 of the CFGC.

4 RESULTS

4.1 BIOLOGICAL SETTING

The biological setting surrounding the Study Area is primarily agricultural with scattered residences situated within the surrounding farms. Existing conditions at the time of the field survey are discussed below.

4.2 SITE CHARACTERISTICS

4.2.1 SOILS

According to the NRCS (USDA 2023), five soil types have been mapped in the Study Area (Figure 3). Fresno and El Peco fine sandy loams, strongly saline-sodic, 0 to 1 percent slopes, and Fresno and El Peco fine sandy loams, moderately saline-sodic, 0 to 1 percent slopes, are members of a coarse loamy, mixed thermic family of typic durorthids. These soils have very pale brown, strongly alkaline, fine sandy loam A horizons, and similar C horizons overlying a strongly lime-silica cemented duripan. Cajon loamy sand, 0 to 1 percent slopes, and Cajon loamy sand, slightly saline alkali, 0 to 1 percent slopes, consist of very deep, somewhat excessively drained soils that formed in sandy alluvium from dominantly granitic rocks. Cajon soils are on alluvial fans, fan aprons, fan skirts, inset fans and river terraces. El Peco-Dinuba fine sandy loams, strongly saline alkali, 0 to 1 percent slopes, consists of moderately well drained (minimal) noncalcic brown soils developed from moderately coarse textured dominantly granitic alluvium. They occur on nearly level to gently sloping alluvial fans and valley plains under grass-herb vegetation.

4.2.2 VEGETATION COMMUNITIES AND LAND COVER TYPES

One vegetation community (non-native annual grassland) and one land cover type (developed/disturbed) were mapped within the Study Area (Figure 4). These are described in more detail below.

Non-native annual grassland. This vegetation community is present in the interconnect area (Figure 4, Figure 5), and non-native annual grasses and forbs dominate this community (Figure 5). There is evidence of small mammal activity throughout this community in the form of small burrows. There is a moderate level of disturbance in this area, as it is situated along the roadside. However, no ground disturbance is proposed in this area under current Project plans.

Developed/disturbed. The Project Area is considered developed/disturbed, as it consists mostly of bare ground and is situated in a fallow agricultural field (Figure 5). The Project Area was previously a vineyard that was removed approximately one year ago, and since then it has been disked or tilled four or five times to prepare the soil for row crops. No small mammal burrows were observed in the Project Area, and very few were observed along the dirt road (interconnect route) that connects the access road to the interconnect area. The Project Area provides insufficient food and/or cover resources for most special-status species due to the lack of vegetation and burrows.

A list of plants observed in the Study Area during the field survey is included in Table 1 below.

Table 1. Plant Species Observed During the Field Survey

| Scientific Name | Common Name |
|--------------------------------|----------------------|
| <i>Avena</i> sp. | oat |
| <i>Bromus hordeaceus</i> | soft brome |
| <i>Bromus</i> sp. | brome |
| <i>Centaurea solstitialis</i> | yellow star-thistle |
| <i>Cynodon dactylon</i> | Bermuda grass |
| <i>Ditrichia graveolens</i> | stinkwort |
| <i>Erigeron bonariensis</i> | flaxleaved horseweed |
| <i>Erigeron canadensis</i> | horseweed |
| <i>Heterotheca grandiflora</i> | telegraphweed |

| Scientific Name | Common Name |
|-------------------------------|--------------------------|
| <i>Hirschfeldia incana</i> | mustard |
| <i>Lactuca serriola</i> | prickly lettuce |
| <i>Malva parviflora</i> | little mallow/cheeseweed |
| <i>Salsola</i> sp. | Russian thistle |
| <i>Solanum elaeagnifolium</i> | silverleaf nightshade |

4.2.3 POTENTIALLY JURISDICTIONAL AQUATIC RESOURCES

No wetlands or other waters that could be considered jurisdictional by the ACOE, RWCQB, or CDFW were observed within or adjacent to the Study Area during the survey and no agricultural ditches are present.

4.3 SPECIAL-STATUS SPECIES WITH POTENTIAL TO OCCUR IN THE STUDY AREA

Special-status plant and wildlife species are discussed below in terms of CEQA thresholds of significance. A threshold of significance for a given environmental impact defines the level of effect above which the lead agency will normally consider impacts to be significant, and below which it will normally consider impacts to be less than significant. Lead agencies are responsible for establishing the thresholds of significance for all documents they prepare. They can rely on several sources, including: Appendix G of the State CEQA Guidelines; CEQA's mandatory findings of significance state CEQA Guidelines § 15065); thresholds established by regulatory agencies; thresholds provided in General Plans or other local planning documents; or thresholds established by other agencies (CEQA 2020).

A list of special-status wildlife species with potential to occur in the vicinity of the Study Area is included in Appendix A, and a list of special-status plant species with potential to occur in the vicinity of the Study Area is included in Appendix B. Definitions regarding potential for species occurrence for this assessment are as follows:

- Not expected to occur – Habitat within and adjacent to the Study Area is lacking for the species' life history requirements (foraging, breeding, cover, range, elevation, hydrology, vegetation community, site history, and/or disturbance regime). There are no documented occurrences of the species in the larger vicinity of the Study Area.
- Low – Few of the habitat components meeting the species requirements are present, and/or the majority of habitat on and adjacent to the Study Area is unsuitable or of poor quality. Because of this, the species is highly unlikely to be found within the Study Area. Any documented occurrences of the species are likely further than possible for the species to disperse to the site, or the date of the occurrence is several decades old, or the vicinity of the Study Area has been developed in a manner that likely precludes the species from presently occurring.
- Moderate – Some of the habitat components meeting the species requirements are present, and/or only some of the habitat on or adjacent to the Study Area is unsuitable. There are recently documented occurrences in the near vicinity of the Study Area; therefore, the species has a moderate probability of utilizing the Study Area.
- High – All of the habitat components meeting the species requirements are present, and/or most of the habitat on or adjacent to the Study Area is highly suitable. There are documented occurrences of the

species on or immediately adjacent to the Study Area; therefore, the species has a high probability of utilizing the Study Area.

- Present – Species was observed within the Study Area during field surveys or has been recorded (i.e., CNDDDB, or other reports) within the Study Area recently.

Based on these definitions, there would be no impact or less than significant impacts to species that are not expected to occur or that have a low potential to occur in the Study Area. As such, these species are removed from further consideration and recommendations to avoid impacts to these species are not included in this document. Species with a moderate or greater potential to occur are discussed in Sections 4.3.1 and 4.3.2 below, and recommendations to avoid and minimize impacts to these species are provided in Section 5 of this document.

4.3.1 SPECIAL-STATUS WILDLIFE SPECIES

Results of the CNDDDB and IPaC searches returned 26 special-status wildlife species known to occur within the nine-quarter/two-mile search radius of the Study Area (CDFW 2023a; USFWS 2023a). Of these, one species (Swainson's hawk) has a moderate potential to occur in the Study Area. Although no ground disturbance is anticipated to occur in the interconnect area under the Project, a discussion is provided below for burrowing owl (*Athene cunicularia*), blunt-nosed leopard lizard (*Gambelia sila*), Fresno kangaroo rat (*Dipodomys nitratoides exilis*), and monarch (*Danaus plexippus*), as these four species have some potential to occur in the interconnect area, and may require additional consideration by the utility company should they determine that disturbance would occur during installation of the line at the point of interconnect. The remaining 21 species are not expected to occur or have a low potential to occur within the Study Area due to a lack of suitable habitat, a lack of occurrences in the vicinity of the Study Area, or the Study Area is outside of the species' known range. Therefore, these 21 species are not discussed further in this document.

Swainson's hawk (state threatened) spends the breeding season in the Central Valley of California and is commonly found in agricultural areas or open grasslands containing solitary trees for nesting, and they sometimes nest in orchards. The diet consists of insects, small mammals and reptiles. Suitable foraging habitat for this species occurs within and adjacent to the Study Area, and large trees in the vicinity of the Study Area provide suitable nesting habitat for this species. In addition, there are several documented occurrences of this species within five miles of the Study Area.

Burrowing owl (state species of special concern) utilizes abandoned ground squirrel burrows in open habitats, grasslands, and disturbed areas, typically on levees, mounds or areas where there are unobstructed views of possible predators such as raptors or foxes. Prey items include insects, small mammals, reptiles and amphibians. Suitable nesting and foraging habitat is present within and adjacent to the interconnect area, and there are several recently documented occurrences within one mile of the interconnect area.

Blunt-nosed leopard lizard (state and federal endangered; state fully protected) occurs in semi-arid grasslands, alkali flats, and washes in the San Joaquin Valley and surrounding valleys and foothills. It is a diurnal species that uses mammal dens and burrows for shelter and cover and breeds from May to June. Recent agricultural development in the vicinity of the Project Area along with the disturbed nature of the Project Area precludes this species from occurring; however, there are documented occurrences of this species 0.5 to 2.5 miles northwest of the interconnect area. Although the occurrences are from the 1980's and 1990's, the interconnect area and land north of the interconnect area has not been developed, and as such, could provide suitable habitat for this species.

Fresno kangaroo rat (state and federal endangered) is one of three subspecies of San Joaquin kangaroo rats adapted for survival in an arid environment. They dig and shelter in burrows, or use previously existing burrows in relatively light, sandy soils in raised areas. There are usually two to five burrow entrances that slant gently underground, and one or more holes that open from a vertical shaft. Fresno kangaroo rats diet consists primarily of seeds, but they may also eat some types of green herbaceous vegetation and insects. Suitable habitat for this species is not present within or adjacent to the Project Area but is present in the interconnect area. Although all occurrences of this species within ten miles of the Study Area are historic, one burrow was observed during the field survey in the interconnect area that exhibited the characteristics of a kangaroo rat. Heerman's kangaroo rats (not listed) are most common in the vicinity of the Study Area.

Monarch adults make massive, multi-generation migrations from spring through fall, flying thousands of miles to forage and lay eggs along the California coast and in central Mexico. Monarchs stop to feed on flower nectar and to roost together at night. During warm winter days, the butterflies may take moisture and flower nectar. Most mating happens before they journey north in the spring, when females lay single eggs along the way under host milkweed plant (*Asclepias* spp.) leaves; caterpillars eat flowers and leaves. Milkweed plants were not observed during the field survey, and although the field survey was performed outside of the blooming season, the disturbed nature of the Project Area likely precludes milkweed from occurring; however, the interconnect area could support milkweed.

4.3.2 SPECIAL-STATUS PLANT SPECIES

Results of the IPaC, CNDDb, and CNPS searches identified 15 special-status plant species known to occur within the two-mile/nine quad search radius of the Study Area (CDFW 2023a; USFWS 2023a; CNPS 2023). None of these 15 species are expected to occur within the Project Area due to a lack of suitable habitat. However, four species have some potential to occur in the interconnect area and are discussed further below, as they may require additional consideration by the utility company should they determine that disturbance would occur during installation of the line at the point of interconnect.

Heartscale (*Atriplex cordulata* var. *cordulata*), a CRPR 1B.2 species, is an annual herb found on saline or alkaline substrates in chenopod scrub, meadows and seeps, and sandy conditions in valley and foothill grassland. It occurs at elevations between 0-1,700 feet AMSL and blooms April-October. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences in the vicinity of the Study Area.

Lesser saltscare (*Atriplex minuscula*), a CRPR 1B.1 species, is an annual herb with an affinity to sandy alkaline substrates in valley and foothill grassland, playas, and chenopod scrub. It is found at elevations between 50–700 feet AMSL and blooms May–October. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences within five miles of the Study Area.

Subtle orache (*Atriplex subtilis*), a CRPR 1B.2 species, is an annual herb with an affinity to alkaline substrates in valley and foothill grassland. It occurs at elevations between 130–330 feet AMSL and blooms in June, August, and September (sometimes October). Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences within five miles of the Study Area.

Recurved larkspur (*Delphinium recurvatum*), a CRPR 1B.2 species, is a perennial herb found on alkaline soils in chenopod scrub, cismontane woodland, and valley and foothill grassland. It occurs at elevations between 0-2,400 feet AMSL and blooms March-June. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences within six miles of the Study Area.

4.4 CRITICAL HABITAT

Critical habitat is a term defined and used in the federal Endangered Species Act to specify geographic areas that contain features essential to the conservation of an endangered or threatened species, and that may require special management and protection. Critical habitat may also include areas that are not currently occupied by the species but will be needed for recovery of the species.

The Study Area is not within critical habitat limits for any federally listed species. The nearest mapped critical habitat is approximately 8.5 miles south of the Study Area for Fresno kangaroo rat (*Dipodomys nitratoides exilis*).

4.5 WILDLIFE CORRIDORS AND HABITAT LINKAGES

Wildlife corridors are linear features that connect large patches of natural open space and provide avenues for the migration of animals. Habitat linkages are small patches that join larger blocks of habitat and help reduce the adverse effects of habitat fragmentation; they may be continuous habitat or discrete habitat islands that function as stepping-stones for wildlife dispersal.

The Study Area is recognized by CDFW as an irreplaceable and essential corridor under the Statewide Terrestrial Connectivity map showing Areas of Conservation Emphasis (ACE) (CDFW 2023b). This area contains attributes identified across multiple studies that have indicated the relative importance of providing opportunities for the movement and dispersal of organisms critical to maintaining healthy populations and species survival.

The Project has been designed so that wildlife can move around all sides of the fence line, as well as under the fence and through the arrays. The Project will not create pinch points or barriers for wildlife to access similar habitat in the general vicinity of the Study Area. Temporary effects due to noise and increased human activity during Project construction would not interfere with local movement patterns over time or affect the ability of these species to forage or reproduce.

4.6 COMMON WILDLIFE SPECIES

Nine common wildlife species or their sign were observed during the field survey (Table 2). Several common wildlife species adapted to life in proximity to human activity like coyote (*Canis latrans*) and raccoon (*Procyon lotor*) are likely to move through the Study Area on a regular basis to find food and cover. Several common native and non-native bird species could use the Study Area for nesting and/or foraging, as there is suitable habitat available for several ground and shrub nesting species (Figure 5).

Table 2. Wildlife Species Observed During the Field Survey

| Common Name | Scientific Name |
|---|---------------------------------|
| American crow | <i>Corvus brachyrhynchos</i> |
| black phoebe | <i>Sayornis nigricans</i> |
| Botta's pocket gopher (burrows in interconnect area) | <i>Thomomys bottae</i> |
| California ground squirrel (burrows in interconnect area) | <i>Otospermophilus beecheyi</i> |
| coyote (scat, tracks) | <i>Canis latrans</i> |
| killdeer | <i>Charadrius vociferus</i> |
| raccoon (deceased on roadside) | <i>Procyon lotor</i> |
| red-tailed hawk | <i>Buteo jamaicensis</i> |
| white-crowned sparrow | <i>Zonotrichia leucophrys</i> |

5 RECOMMENDATIONS

This section addresses potential constraints to approval of the proposed Project as a result of the presence of sensitive biological resources and potential impacts to such resources that would result from Project activities. Recommendations to address potential biological resource constraints are described below.

- **Preconstruction Nesting Bird Survey.** All native birds in California are protected by the federal MBTA, and Section 3503.5 of the CFGC specifically protects raptors. Ground disturbance, noise, or removal of vegetation that would result in destruction of active bird nests or disruption of breeding/nesting activity could be a violation of the MBTA and the CFGC, as well as a significant impact under CEQA.

Kleinfelder recommends a nesting bird survey be performed by a qualified biologist no earlier than one week prior to construction or vegetation removal during the nesting season (March 1 – August 31) to determine if any native birds, including burrowing owl, are nesting on or near the site (including a 350-foot buffer for raptors, where accessible). If any active nests are observed during surveys, a suitable avoidance buffer from the nests should be determined by the qualified biologist based on species, location, and extent and type of planned construction activity. These nests would be avoided until the chicks have fledged and the nests are no longer active, as determined by the qualified biologist. Kleinfelder also recommends removing any suitable nesting habitat (i.e., trees and vegetation) outside of the bird breeding season to avoid impacts to nesting birds.

- **Swainson's Hawk.** Prior to initiation of project activities, a qualified biologist should conduct protocol surveys for Swainson's hawk following the Swainson's Hawk Technical Advisory Committee's *Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley* (TAC 2000). If project activities begin prior to the breeding season (March 1 – August 31) and are ongoing throughout the breeding season, Swainson's hawks are unlikely to initiate nesting within the Study Area due to elevated levels of noise and visual disturbance, and therefore protocol surveys would not be warranted. Alternatively, if construction is expected to begin during the breeding season, protocol-level surveys should be performed at a minimum in Period 2 (March 20 to April 5), and Period 3 (April 5 to April 20) to determine if nesting Swainson's hawks are present within 0.5-mile of the Study Area. Performing surveys during Period 1 (January 1 to March 20) would increase the chance of nest detections, as most nests are easily observed from relatively long distances

when leaves are absent from trees, giving the surveyor the opportunity to identify potential nest sites, as well as becoming familiar with the Study Area.

If active Swainson's hawk nests are detected during surveys in Period 2 and Period 3, monitoring of nests should occur in Period 4 (April 21-June 10) to maintain records on the status of the nests. During this time, Project activities should not be initiated until consultation with CDFW is sought to determine a proper strategy to avoid impacts to nesting Swainson's hawks, which would likely include avoidance in the form of no-work buffers or monitoring of active nests.

- **Predation on Sensitive Wildlife Species.** Impacts to special-status species due to increased presence of predators associated with construction activities could be considered a significant impact in the context of CEQA. To deter predators from being attracted to the Project Area during construction, all trash and waste items generated by construction or crew activities should be properly contained in a covered and locked trash receptacle and/or removed from the Project Area daily. This includes biodegradable items, such as apple cores and banana peels, that attract predators such as raccoons and American crows that could prey upon sensitive wildlife species.

In addition, no firearms or pets should be allowed on the site during construction or Operations and Maintenance activities.

- **Common and Special-Status Wildlife Awareness.** All Project personnel will visually check for animals in any pipes, culverts, or other open-ended materials and equipment stored on site for one or more overnight periods prior to moving, burying, or capping to ensure that no animals are present within the materials and equipment. To prevent accidental entrapment of wildlife during construction, all excavated holes, ditches, or trenches greater than six (6) inches deep will be covered at the end of each workday by suitable materials that cannot be displaced or escape ramps will be placed in excavations. After opening and before filling, such holes, ditches, and trenches will be thoroughly inspected for trapped animals.

6 REFERENCES CITED

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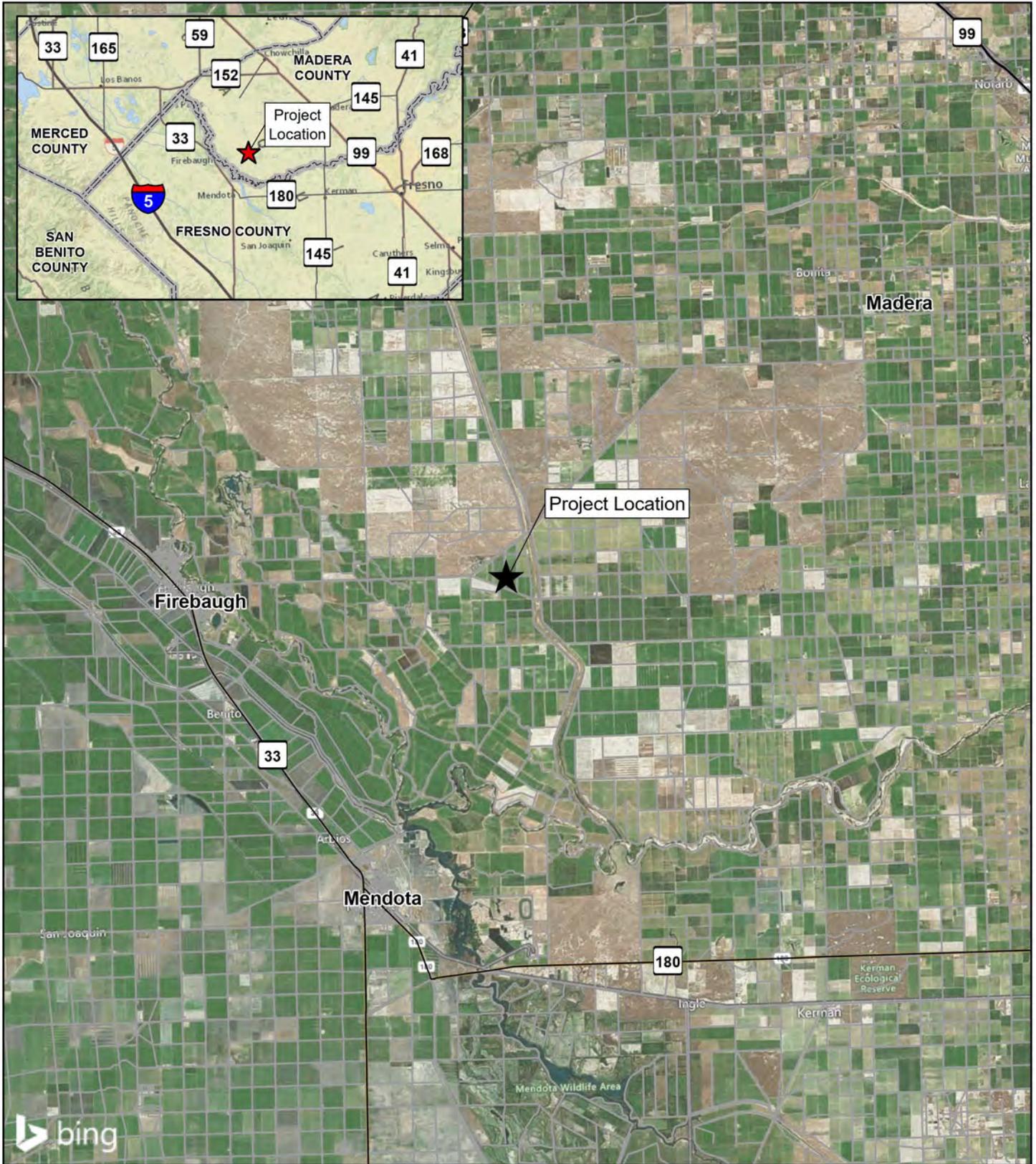
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FIGURES



Source: Bing Maps

0 1.5 3
Miles

0 2.5 5
Kilometers

N

Scale 1:190,080
1 inch equals 3 miles

Figure 1 – Regional Vicinity
Firebaugh CSG 1 Solar Project
Biological Resources Assessment
Madera County, California





Photo 1. Ground squirrel burrow in interconnect area



Photo 2. Pocket gopher activity along southern dirt road



Photo 3. Potential kangaroo rat burrow observed near interconnect area



Photo 4. Small rodent burrow along southern dirt road

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Project Location

Figure 5a - Photos
 Firebaugh CSG 1 Solar Project
 Biological Resources Assessment
 Madera County, California





Photo 5. View from northeast corner of Project Area facing southwest



Photo 6. View from northwest corner of Project Area facing southeast



Photo 7. View from southwest corner of Project Area facing northeast



Photo 8. View of dirt road connecting Project Area to interconnect area facing north

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Figure 5b - Photos
 Firebaugh CSG 1 Solar Project
 Biological Resources Assessment
 Madera County, California





Photo 9. View of disturbed area south of Project Area facing south



Photo 10. View of interconnect area facing east



Photo 11. View of interconnect area facing west



Photo 12. View of vineyard west of Project Area facing west

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Figure 5c - Photos
 Firebaugh CSG 1 Solar Project
 Biological Resources Assessment
 Madera County, California



APPENDIX A

SPECIAL-STATUS WILDLIFE SPECIES WITH KNOWN OR POTENTIAL OCCURRENCE IN THE VICINITY OF THE LASGOITY SITE 1 SOLAR PROJECT IN MADERA COUNTY, CALIFORNIA

Appendix A

Special-Status Wildlife Species with Known or Potential Occurrence in the Vicinity of the Lasgoity Site 1 Solar Project in Madera County, California.

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|---|--|-----------------------------------|--|---|
| <i>Invertebrates</i> | | | | |
| longhorn fairy shrimp | <i>Branchinecta longiantenna</i> | Endangered/None | Longhorn fairy shrimp are small freshwater crustaceans named for the male's extremely long second antennae. It is known to occur in only five widely separated locations stretching from Contra Costa County in the north to San Luis Obispo County in the south. They are found in clear, freshwater vernal pools, claypan pools or freshwater depressions in sandstone. | Not expected to occur. Suitable aquatic habitat for this species is not present within or adjacent to the Study Area. |
| monarch – California overwintering population | <i>Danaus plexippus</i> | Candidate Threatened/None | Monarch adults make massive, multi-generation migrations from spring through fall, flying thousands of miles to forage and lay eggs along the California coast and in central Mexico. Monarchs stop to feed on flower nectar and to roost together at night. During warm winter days, the butterflies may take moisture and flower nectar. Most mating happens before they journey north in the spring, when females lay single eggs along the way under host milkweed plant (<i>Asclepias</i> spp.) leaves; caterpillars eat flowers and leaves. Overwintering sites along the California coast are important for conservation of this species. | Not expected to occur in the Project Area; unknown potential to occur in the interconnect area. Milkweed plants were not observed during the field survey, and although the field survey was performed outside of the blooming season, the disturbed nature of the Project Area likely precludes milkweed from occurring; however, the interconnect area could support milkweed. |
| valley elderberry longhorn beetle | <i>Desmocerus californicus dimorphus</i> | Threatened/None | Valley elderberry longhorn beetle is completely dependent on its host plant, elderberry (<i>Sambucus</i> sp.), which occurs in riparian and other woodland communities in California's Central Valley and the associated foothills. Female beetles lay their eggs in crevices on the stems or on the leaves of living elderberry plants. When the eggs hatch, larvae bore into the stems of the plant and the larval stage lasts for one to two years. The fifth instar larvae create emergence holes in the stems and then plug the holes and remain in the stems through pupation. Adults emerge through the holes from late March through June. The short-lived adult beetles forage on leaves and flowers of elderberry shrubs. | Not expected to occur. Suitable habitat in the form of elderberry shrubs is not present within the Study Area. |

Appendix A (Continued)

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|--|------------------------------------|-----------------------------------|---|--|
| vernal pool fairy shrimp | <i>Branchinecta lynchi</i> | Threatened/None | Vernal pool fairy shrimp is adapted to seasonally inundated aquatic features and occur primarily in vernal pools and seasonal wetlands that fill with water during fall and winter rains, then dry up in spring and summer. Different pools within or between complexes may provide habitat for the fairy shrimp in alternate years, as climatic conditions vary. | Not expected to occur. Suitable aquatic habitat for this species is not present within or adjacent to the Study Area. |
| <i>Fish</i> | | | | |
| steelhead (Central Valley DPS) | <i>Oncorhynchus mykiss irideus</i> | Threatened/None | Central Valley steelhead spawn downstream of dams on every major tributary within the Sacramento and San Joaquin River systems. Regardless of life history strategy, for the first year or two of life, rainbow trout and steelhead are found in cool, clear, fast-flowing permanent streams and rivers where riffles predominate over pools, there is ample cover from riparian vegetation or undercut banks, and invertebrate life is diverse and abundant. | Not expected to occur. Suitable aquatic habitat for this species is not present within or adjacent to the Study Area. |
| <i>Amphibians and Reptiles</i> | | | | |
| blunt-nosed leopard lizard | <i>Gambelia sila</i> | Endangered/ Endangered, FP | Blunt-nosed leopard lizard occurs in semi-arid grasslands, alkali flats, and washes in the San Joaquin Valley and surrounding valleys and foothills. It is a diurnal species that uses mammal dens and burrows for shelter and cover and breeds from May to June. | Not expected to occur in the Project Area; moderate potential to occur in the interconnect area. Recent agricultural development in the vicinity of the Project Area along with the disturbed nature of the Project Area likely precludes this species from occurring; however, there are documented occurrences of this species 0.5 to 2.5 miles northwest of the Study Area. Although the occurrences are from the 1980's and 1990's, the land north of the interconnect area has not been developed, and as such, could provide suitable habitat for this species. |
| California tiger salamander (Central California DPS) | <i>Ambystoma californiense</i> | Threatened/Threatened | California tiger salamander (CTS) may be found in riparian and wet meadow habitats but is more common in annual grasslands. Temporary or permanent freshwater pools (e.g., vernal pools and wetlands) are required for egg-laying and larval development; however, they appear to be absent in waters containing predatory game fish. CTS spends most of its life cycle underground in adjacent valley oak woodland or grassland habitat, primarily in rodent burrows. Breeding takes place following the first heavy winter rains. | Not expected to occur. There are no documented occurrences of this species within the 9-quad search area, suitable aquatic habitat is absent within 1.5 miles of the Study Area, and recent development in the vicinity of the Study Area along with the disturbed nature of the Study Area likely precludes this species from occurring. |

Appendix A (Continued)

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|------------------------------------|---------------------------------------|-----------------------------------|---|---|
| coast horned lizard | <i>Phrynosoma blainvillii</i> | None/SSC | Coast horned lizard prefers open areas within valley grasslands and foothill coniferous forests, woodlands, and chaparral that have sandy, loose soils and low vegetation. It is often found in lowlands along sandy washes with scattered shrubs, and along dirt roads. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| giant gartersnake | <i>Thamnophis gigas</i> | Threatened/Threatened | Giant gartersnake is found in isolated populations restricted to the Central Valley of California. It is found in freshwater marshes, wetlands, irrigation ditches, low gradient streams (absent of predatory fish), and rice fields containing emergent vegetation. Adjacent upland grassland habitat is necessary for cover and aestivation. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| northern California legless lizard | <i>Anniella pulchra</i> | None/SSC | Northern California legless lizard occurs in scattered locations in the San Joaquin Valley, along the southern Sierra Nevada mountains, and on the desert side of the Tehachapi Mountains and part of the San Gabriel Mountains. It prefers moist, warm, loose soil in sparsely vegetated areas of beach dunes, chaparral, pine-oak woodlands, desert scrub, sandy washes, and stream terraces with sycamores, cottonwoods, or oaks. Leaf litter under trees and bushes in sunny areas and dunes, stabilized with bush lupine and mock heather often indicate suitable habitat. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| San Joaquin coachwhip | <i>Masticophis flagellum ruddocki</i> | None/SSC | San Joaquin coachwhip occurs in open, dry, treeless areas with little or no cover, including valley grassland and saltbush scrub. It avoids dense vegetation where it cannot move quickly, including mixed oak chaparral woodland, and takes refuge in rodent burrows, under shaded vegetation, and under surface objects. | Low potential to occur. The Project Area is highly disturbed, and therefore suitable habitat for this species is not present within or adjacent to the Project Area. Although low-quality habitat may be present in the interconnect area, there are only two documented occurrences of this species in the 9-quad search area, and they are approximately 10 miles south of the Study Area. |

Appendix A (Continued)

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|-------------------------|----------------------------|-----------------------------------|--|---|
| two-striped gartersnake | <i>Thamnophis hammondi</i> | None/SSC | The two-striped gartersnake is among the most aquatic of the gartersnakes. It is generally found near water sources, including pools, creeks, cattle tanks, and other aquatic features, often in rocky areas. This species is commonly associated with oak woodland, willow, coastal sage scrub, scrub oak, sparse pine, chaparral, and brushland. | Not expected to occur. Suitable aquatic habitat for this species is not present within or adjacent to the Study Area. |
| western pond turtle | <i>Emys marmorata</i> | Proposed Threatened/SSC | Western pond turtle is found in rivers, lakes, streams, ponds, wetlands, ephemeral creeks, reservoirs, agricultural ditches, estuaries, and brackish waters. Western pond turtles prefer areas that provide cover from predators, such as vegetation and algae, as well as basking sites for thermoregulation. Adults tend to favor deeper, slow-moving water, whereas hatchlings search for slow and shallow water that is slightly warmer. Terrestrial habitats are used for egg laying and wintering and usually consist of burrows in leaves and soil. They are rarely found at elevations above 5,000 feet. | Not expected to occur. Suitable aquatic habitat for this species is not present within or adjacent to the Study Area. |
| western spadefoot | <i>Spea hammondi</i> | None/SSC | Western spadefoot inhabits areas with slightly moist, friable soils in mostly treeless habitats. They are usually absent from narrow canyons and highly mesic habitats and require rain pools with little to no vegetation for spawning. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| Birds | | | | |
| bank swallow | <i>Riparia riparia</i> | None/Threatened | Bank swallow is restricted to riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with fine-textured or sandy soils, into which it digs nesting holes. It feeds predominantly over open riparian areas, but also over brushland, grassland, wetlands, water, and cropland. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| burrowing owl | <i>Athene cunicularia</i> | None/SSC | Burrowing owl utilizes abandoned ground squirrel burrows in open habitats, grasslands, and disturbed areas, typically on levees, mounds or areas where there are unobstructed views of possible predators such as raptors or foxes. Prey items include insects, small mammals, reptiles and amphibians. | Not expected to occur in the Project Area, moderate potential to occur in the interconnect area. Suitable nesting and foraging habitat is present within and adjacent to the interconnect area, and there are several recently documented occurrences within one mile of the Study Area. |

Appendix A (Continued)

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|------------------------------|---|-----------------------------------|---|---|
| mountain plover | <i>Charadrius montanus</i> | None/SSC | Mountain plover occurs in flat open plains, not mountains. Of all the shorebirds, mountain plover is the most disconnected from the shore, generally living miles from water in areas of very short grass, including semi-arid plains, grasslands, and plateaus. In some areas, it nests mainly on bare ground found in large prairie-dog towns. Winter habitats include desert flats and plowed fields. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| Swainson's hawk | <i>Buteo swainsoni</i> | None/Threatened | Swainson's hawk spends the breeding season in the Central Valley of California and is commonly found in agricultural areas or open grasslands containing solitary trees for nesting. Diet consists of insects, small mammals and reptiles. | Moderate potential to occur. Although foraging habitat is minimal of and of very low quality in the Project Area, the trees in the vicinity of the Study Area provide nesting habitat and the land north of the interconnect area provides foraging habitat. There are several documented occurrences of this species within five miles of the Study Area. |
| tricolored blackbird | <i>Agelaius tricolor</i> | None/Threatened, SSC | Tricolored blackbird is a colonial species found almost exclusively in California. It utilizes wetlands, marshes and agricultural grain fields for foraging and nesting. The tricolored blackbird population has declined significantly in recent years due to habitat loss and harvest of grain fields before young have fledged. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| western yellow-billed cuckoo | <i>Coccyzus americanus occidentalis</i> | Threatened/Endangered | Western yellow-billed cuckoo inhabits woodlands, thickets, orchards, and streamside groves. It breeds mostly in dense deciduous stands, including forest edges, tall thickets, dense second growth, overgrown orchards, and scrubby oak woodlands. It is often found in willow groves around marshes. In the west, nesting occurs mostly in streamside trees, including cottonwood-willow groves in arid country. It forages by scaling through shrubs and trees, gleaning insects from foliage and branches. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |

Appendix A (Continued)

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|----------------------------|-------------------------------------|-----------------------------------|--|---|
| <i>Mammals</i> | | | | |
| American badger | <i>Taxidea taxus</i> | None/SSC | American badger is most abundant in drier open stages of most shrub, forest and grassland habitats with friable soils. It digs burrows for cover and will reuse burrows occasionally, but may also dig new burrows each night in the summer. Its diet consists of rodents, small mammals, reptiles, insects, birds and carrion. | Not expected to occur. No burrows of suitable size for this species were observed during the field survey, and recent development in the vicinity of the Study Area along with the disturbed nature of the Study Area likely precludes this species from occurring. All documented occurrences of this species in the vicinity of the Project are over five miles away and from the 1980's. |
| Fresno kangaroo rat | <i>Dipodomys nitratoides exilis</i> | Endangered/Endangered | Fresno kangaroo rat is one of three subspecies of San Joaquin kangaroo rats adapted for survival in an arid environment. They dig and shelter in burrows, or use previously existing burrows in relatively light, sandy soils in raised areas. There are usually two to five burrow entrances that slant gently underground, and one or more holes that open from a vertical shaft. Fresno kangaroo rats diet consists primarily of seeds, but they may also eat some types of green herbaceous vegetation and insects. Breeding is probably initiated in winter after the onset of the rainy season and young are born in the burrow, where they remain until they are fully furred and able to move about easily. A variety of predators, including San Joaquin kit fox, prey upon this species. | Not expected to occur in the Project Area; moderate potential to occur in the interconnect area. Suitable habitat for this species is not present within or adjacent to the Project Area but is present in the interconnect area. Although all occurrences of this species within ten miles of the Study Area are historic, one burrow was observed during the field survey in the interconnect area that exhibited the characteristics of a kangaroo rat. Heerman's kangaroo rats are most common in the vicinity of the Study Area; however, additional surveys would be necessary to determine if this species is present in the interconnect area. |
| Nelson's antelope squirrel | <i>Ammospermophilus nelsoni</i> | None/Threatened | Nelson's antelope squirrels are found in hot deserts that comprise the Lower Sonoran life zone, including arid grasslands and shrublands. They have been recorded in areas where shrub cover ranges from light to medium density, alkali desert scrub, and annual grassland receiving 6-8 inches or less of annual precipitation. They prefer alkaline, loamy soils from 160 to 3,600 feet in elevation, and depend on kangaroo rat burrows. | Low potential to occur. Although several inactive ground squirrel burrows were observed in the interconnect area and just south of the Project Area, the Study Area is disturbed and does not represent high quality habitat for this species. |

Appendix A (Continued)

| Common Name | Scientific Name | Federal/State Status ¹ | Habitat Associations | Potential to Occur in the Study Area ² |
|---------------------|------------------------------------|-----------------------------------|--|--|
| San Joaquin kit fox | <i>Vulpes macrotis mutica</i> | Endangered/Threatened | San Joaquin kit fox occurs in grasslands and agricultural areas along the edges of the San Joaquin Valley. They dig dens for cover and pupping and use dens created by other mammals, as well as larger pipes and culverts for cover. It is primarily a nocturnal species and feeds on small mammals, birds and reptiles. | Not expected to occur in the Project Area, low potential to occur in the interconnect area. Although this species is found in agricultural areas, all occurrences of this species within 10 miles of the Project Area are over 25 years old, and the disturbed nature of the Study Area likely precludes this species from occurring. No suitably-sized burrows for this species were observed in the Study Area. |
| western mastiff bat | <i>Eumops perotis californicus</i> | None/SSC | Western mastiff bat occurs in many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, annual and perennial grasslands, palm oases, chaparral, desert scrub, and urban areas. Suitable habitat consists of extensive open areas with abundant roost locations provided by crevices in rock outcrops and buildings. When roosting in rock crevices, this species needs vertical faces to drop off to take flight. Catches and feeds on insects in flight. | Not expected to occur. Suitable roosting habitat for this species is not present within or adjacent to the Study Area. |
| western red bat | <i>Lasiurus blossevillii</i> | None/SSC | Western red bat is locally common in some areas of California, occurring from Shasta County to the Mexican border, west of the Sierra Nevada/Cascade crest and deserts. Roosting habitat includes forests and woodlands from sea level up through mixed conifer forests. This species feeds over a wide variety of habitats including grasslands, shrublands, open woodlands and forests, and croplands. | Not expected to occur. Suitable roosting habitat for this species is not present within or adjacent to the Study Area. |

¹ Status Legend

SSC: Species of Special Concern (CDFW)

FP: Fully Protected (CDFW)

BGEPA: Bald and Golden Eagle Protection Act (USFWS)

² Definitions Regarding Potential for Occurrence

- Not expected to occur – Habitat within and adjacent to the Project Area is lacking for the species life history requirements (foraging, breeding, cover, range, elevation, hydrology, vegetation community, site history, and/or disturbance regime). There are no documented occurrences of the species in the larger vicinity of the Project Area.
- Low – Few of the habitat components meeting the species requirements are present, and/or the majority of habitat on and adjacent to the Project Area is unsuitable or of poor quality. Because of this, the species is highly unlikely to found within the Project Area. Any documented occurrences of the species are likely further than possible for the species to disperse to the site, the date of the occurrence is several decades old, or the vicinity of the Project Area has been developed in a manner that likely precludes the species from presently occurring.
- Moderate – Some of the habitat components meeting the species requirements are present, and/or only some of the habitat on or adjacent to the Project Area is unsuitable. There are recently documented occurrences in the near vicinity of the Project Area; therefore, the species has a moderate probability of utilizing the Project Area.
- High – All of the habitat components meeting the species requirements are present, and/or most of the habitat on or adjacent to the Project Area is highly suitable. There are documented occurrences of the species on or immediately adjacent to the Project Area; therefore, the species has a high probability of utilizing the Project Area.

Appendix A (Continued)

- Present – Species was observed within the Project Area during field surveys or has been recorded (i.e., CNDDDB, or other reports) within the Project Area recently.

Sources:

California Department of Fish and Wildlife (CDFW). 2023. California Natural Diversity Database (CNDDDB). Rarefind, Version 5 (Commercial Subscription). Accessed December 2023.
<https://apps.wildlife.ca.gov/rarefind/view/RareFind.aspx>

United States Fish and Wildlife Service (USFWS). 2023. Information for Planning and Consultation (IPaC). The Environmental Conservation Online System. Accessed December 2023. Grass Valley, California. Website <https://ecos.fws.gov/ipac/>.

APPENDIX B

SPECIAL-STATUS PLANT SPECIES WITH KNOWN OR POTENTIAL OCCURRENCE IN THE VICINITY OF THE LASGOITY SITE 1 SOLAR PROJECT IN MADERA COUNTY, CALIFORNIA

Appendix B

Special-Status Plant Species with Known or Potential Occurrence in the Vicinity of the Lasgoity Site 1 Solar Project in Madera County, California.

| Scientific Name | Common Name | Status (Federal/State, CRPR) ¹ | Life Form/Habitat Associations/ Elevation Range (feet)/Blooming Period | Potential to Occur in the Study Area ² |
|--|-----------------------|---|--|---|
| <i>Atriplex cordulata</i> var. <i>cordulata</i> | heartscale | None/None, CRPR 1B.2 | Annual herb. Saline or alkaline substrates in chenopod scrub, meadows and seeps, and sandy conditions in valley and foothill grassland. Elevation 0-1,700 feet. Blooms Apr-Oct. | Moderate potential to occur in the interconnect area. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences in the vicinity of the Study Area. |
| <i>Atriplex cordulata</i> var. <i>erecticaulis</i> | Earlimart orache | None/None, CRPR 1B.2 | Annual herb. Valley and foothill grassland. Elevation 130-330 feet. Blooms Aug-Sep (Nov). | Not expected to occur. Low quality habitat may be present in the interconnect area; however, there is only one documented occurrence of this species within the 9-quad search area, it is located over 15 miles southeast of the Study Area, and is considered to be extirpated. |
| <i>Atriplex coronata</i> var. <i>vallicola</i> | Lost Hills crownscale | None/None, CRPR 1B.2 | Annual herb. Alkaline chenopod scrub, valley and foothill grassland, and vernal pools. Elevation 165-2,085 feet. Blooms Apr-Sep. | Not expected to occur. Low quality habitat may be present in the interconnect area; however, there are only three documented occurrences of this species within the 9-quad search area (two of which are historic), over 8 miles south of the Study Area. |
| <i>Atriplex depressa</i> | brittlescale | None/None, CRPR 1B.2 | Annual herb. Found within chenopod scrub, meadows and seeps, playas, valley and foothill grassland, and vernal pool habitats (alkaline, clay). Elevation 0-1,000 feet. Blooms Apr-Oct. | Not expected to occur. Low quality habitat may be present in the interconnect area; however, all documented occurrences of this species are over 10 miles south of the Study Area. |
| <i>Atriplex minuscula</i> | lesser saltscale | None/None, CRPR 1B.1 | Annual herb. Affinity to sandy alkaline substrates in valley and foothill grassland, playas, and chenopod scrub. Elevation 50-700 feet. Blooms May-Oct. | Moderate potential to occur in the interconnect area. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences within 5 miles of the Study Area. |

APPENDIX B (Continued)

| Scientific Name | Common Name | Status (Federal/State, CRPR) ¹ | Life Form/Habitat Associations/ Elevation Range (feet)/Blooming Period | Potential to Occur in the Study Area ² |
|------------------------------|-----------------------------------|---|---|--|
| <i>Atriplex persistens</i> | vernal pool smallscale | None/None, CRPR 1B.2 | Annual herb. Vernal pools with alkaline substrate. Elevation 40-400 feet. Blooms Jan, Aug-Oct. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| <i>Atriplex subtilis</i> | subtle orache | None/None, CRPR 1B.2 | Annual herb. Affinity to alkaline substrates in valley and foothill grassland. Elevation 130–330 feet. Blooms Jun, Aug-Sep (Oct). | Moderate potential to occur in the interconnect area. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences within 5 miles of the Study Area. |
| <i>Chloropyron palmatum</i> | palmate-bracted salty bird's-beak | Endangered/Endangered, CRPR 1B.1 | Annual herb. Valley and foothill grassland and chenopod scrub (alkaline soils). Elevation 0-465 feet. Blooms May-Oct. | Not expected to occur. Suitable habitat for this species is not present within the Project Area. Although low quality habitat may be present in the interconnect area, all documented occurrences within 10 miles of the Study Area either occur in the Mendota Wildlife Area or are considered extirpated by agricultural development and grazing. |
| <i>Delphinium recurvatum</i> | recurved larkspur | None/None, CRPR 1B.2 | Perennial herb. Alkaline soils within chenopod scrub, cismontane woodland, and valley and foothill grassland. Elevation 0-2,400 feet. Blooms Mar-Jun. | Moderate potential to occur in the interconnect area. Suitable habitat for this species is not present within the Project Area; however, suitable habitat is present in the interconnect area, and there are multiple documented occurrences within 6 miles of the Study Area. |
| <i>Eryngium spinosepalum</i> | spiny-sepaled button-celery | None/None, CRPR 1B.2 | Annual or perennial herb. Vernal pools in valley and foothill grasslands. Elevation 260–3,200 feet. Blooms Apr–Jun. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| <i>Lasthenia chrysantha</i> | alkali-sink goldfields | None/None, CRPR 1B.1 | Annual herb. Vernal pools. Elevation 1-655 feet. Blooms Feb-Apr. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |

APPENDIX B (Continued)

| Scientific Name | Common Name | Status (Federal/State, CRPR) ¹ | Life Form/Habitat Associations/ Elevation Range (feet)/Blooming Period | Potential to Occur in the Study Area ² |
|-----------------------------|---------------------------|---|--|---|
| <i>Layia munzii</i> | Munz's tidy-tips | None/None, CRPR 1B.2 | Annual herb. Chenopod scrub, valley and foothill grassland (alkaline clay). Elevation 490-2,295 feet. Blooms Mar-Apr, Jun. | Not expected to occur. Suitable habitat for this species is not present within the Project Area. Although low quality habitat may be present in the interconnect area, the nearest documented occurrences of this species (~7 miles west of the Study Area) are historic, and the rest are over 8 miles south of the Study Area. |
| <i>Monolopia congdonii</i> | San Joaquin woollythreads | Endangered/None, CRPR 1B.2 | Annual herb. Chenopod scrub, valley and foothill grassland (sandy). Elevation 195-2,625 feet. Blooms Feb-May. | Not expected to occur. Low quality habitat may be present in the interconnect area; however, there is only one documented occurrence of this species within the 9-quad search area, it is located over 13 miles south of the Study Area, and is considered to be extirpated. |
| <i>Puccinellia simplex</i> | California alkali grass | None/None, CRPR 1B.2 | Annual herb. Vernal mesic alkaline substrates (sinks, flats, and lake margins) associated with chenopod scrub, meadows and seeps, and valley and foothill grassland. Elevation 0-3,000 feet. Blooms Mar-May. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |
| <i>Sagittaria sanfordii</i> | Sanford's arrowhead | None/None, CRPR 1B.2 | Perennial rhizomatous emergent herb. Marshes and swamps. Elevation 0-7,000 feet. Blooms May-Oct. | Not expected to occur. Suitable habitat for this species is not present within or adjacent to the Study Area. |

¹ Status Legend:

CRPR 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere

CRPR 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

CRPR 2A: Plants Presumed Extirpated in California, But More Common Elsewhere

CRPR 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)

.2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

² Definitions Regarding Potential for Occurrence

- Not expected to occur – Habitat within and adjacent to the Project Area is lacking for the species life history requirements (foraging, breeding, cover, range, elevation, hydrology, vegetation community, site history, and/or disturbance regime). There are no documented occurrences of the species in the larger vicinity of the Project Area.
- Low – Few of the habitat components meeting the species requirements are present, and/or the majority of habitat on and adjacent to the Project Area is unsuitable or of poor quality. Because of this, the species is highly unlikely to be found within the Project Area. Any documented occurrences of the species are likely further than possible for the species to occur on the site, the date of the occurrence is several decades old, or the vicinity of the Project Area has been developed in a manner that likely precludes the species from presently occurring.

APPENDIX B (Continued)

- Moderate – Some of the habitat components meeting the species requirements are present, and/or only some of the habitat on or adjacent to the Project Area is unsuitable. There are recently documented occurrences in the near vicinity of the Project Area; therefore, the species has a moderate probability of utilizing the Project Area.
- High – All of the habitat components meeting the species requirements are present, and/or most of the habitat on or adjacent to the Project Area is highly suitable. There are documented occurrences of the species on or immediately adjacent to the Project Area; therefore, the species has a high probability of utilizing the Project Area.
- Present – Species was observed within the Project Area during field surveys or has been recorded (i.e., CNDDB, or other reports) within the Project Area recently.

Source:

California Native Plant Society (CNPS). 2023. Inventory of Rare and Endangered Plants (online edition, v9.5). California Native Plant Society. Sacramento, CA. Accessed December 2023.

Cultural Resources Identification Report

Available for review at

200 W. 4th Street, Suite 3100

Madera, CA 93637



**Community and Economic Development
Environmental Health Division**

Dexter Marr
Deputy Director

- 200 W. Fourth St.
- Suite 3100
- Madera, CA 93637
- TEL (559) 661-5191
- FAX (559) 675-6573
- TDD (559) 675-8970

MEMORANDUM

TO: Jacob Aragon
 FROM: Dexter Marr, Environmental Health Division
 DATE: June 18, 2024
 RE: Firebaugh CSG 1 LLC - Parcel Map - Madera (041-222-005-000)

Comments

TO: Madera County Planning Division
 FROM: Environmental Health Division
 DATE: June 13, 2024
 REGARDING: PARCEL MAP #4318 – Firebaugh CSG 1 LLC, APN: (041-222-005)

The subject document has been reviewed and is recommended for:

(X) Approval with Conditions. (See Below)

During the application process for required County permits, a more detailed review of the proposed project's compliance with all current local, state & federal requirements will be reviewed by this Division.

The construction and then ongoing operation must be done in a manner that shall not allow any type of public nuisance(s) to occur including but not limited to the following nuisance(s); Dust, Odor(s), Noise (s), Lighting, Vector(s) or Litter. This must be accomplished under accepted and approved Best Management Practices (BMP) and as required by the County General Plan, County Ordinances, and any other related State and/or Federal jurisdiction.

If there are any questions or comments regarding these conditions, contact this Division at (559) 675-7823.



PRELIMINARY CONDITIONS OF APPROVAL - PM4318
PUBLIC WORKS DEPARTMENT

| | |
|-----------------------------|--|
| PROJECT NAME: | Firebaugh CSG 1 LLC |
| PROJECT LOCATION: | 041-222-005, 042-081-004, 042-082-006, and 041-231-014 (portion) |
| PROJECT DESCRIPTION: | LASGOITY SITE 1 - DIMENSION RENEWABLE ENERGY |

The Applicant is required to complete all of the Conditions as specified below and must secure approval from the Public Works Department prior to finalizing the Building permit(s) and occupancy of the structure(s) built on site.

| | |
|---------------------------|--|
| APPLICANT/CONTACT: | |
| PLANNING CONTACT: | |

| No. | Condition | Implementation Condition | Verification of Compliance | | |
|-----|-----------|--------------------------|----------------------------|------|---------|
| | | | Initials | Date | Remarks |

Public Works Department

GRADING & DRAINAGE (GR)

| | | | | | |
|------|---|--|--|--|--|
| GR-1 | The proposed project will require the following <i>prior</i> to leveling or site grading: - A Grading and Drainage Permit Application. - Grading and Drainage Plans on 11"x17" paper conforming to the Grading Application. - Geotechnical report, hydraulic and hydrology analysis will be required to be submitted with the grading plan - Payment of Grading Permit fee will be required (work area dependent) | Prior to grading or leveling the site | | | |
| GR-2 | Post-development drainage flow exiting the property shall be limited to the pre-development rate from the property, including onto the County's road right of way. If applicable, plans and drainage calculations showing the on-site drainage improvements and/or modifications shall be prepared by a registered Civil Engineer and submitted to the Public Works Department, with appropriate drainage analysis and calculations, for review and approval before the development is approved. If existing, on-site drainage facilities (i.e. detention/retention ponds and/or swales, subterranean drainage systems, etc.) shall be improved and/or modified to prevent excess runoff from flowing into the County right of way or neighboring properties. | Prior to approval of grading plan | | | |
| GR-3 | All National Pollution Discharge Elimination System (NPDES) storm water regulations and standards shall be met. It is possible that the quality of storm water may be affected by pollutants. The applicant shall mitigate any impacts associated with storm water contamination caused by this project. A Storm Water Pollution Prevention Plan (SWPPP) is required for all projects 1-acre or more of site disturbance. | Prior to and during construction of the improvements | | | |

| No. | Condition | Implementation Condition | Verification of Compliance | | |
|----------------------------|--|--|----------------------------|------|---------|
| | | | Initials | Date | Remarks |
| SEWER (SWR) | | | | | |
| SWR-1 | The County does not provide community sewer services to serve this parcel. Applicant may be required to design, install, maintain, and operate its own sewer system to serve the site. (see Environmental Health Division's conditions of approval) | Not applicable | | | |
| WATER (WTR) | | | | | |
| WTR-1 | The County does not provide community water services to serve this parcel. Applicant may be required to design, install, maintain, and operate its own water system to serve the site. (see Environmental Health Division's conditions of approval) | Not applicable | | | |
| TRANSPORTATION (TR) | | | | | |
| TR-1 | The applicant is required to obtain an encroachment permit before commencing any work within the County road right-of-way and is to adhere to all of the conditions and requirements as stated in the permit. | Prior to working in County's road right of way | | | |
| TR-2 | Unless approved otherwise, all new driveway approaches must be designed and installed per the County's latest design standards and requirements for commercial use in accordance with ST-27, ST 24B, and ST-25 or -26. The approach layout and installation will be inspected by the Public Works inspector for acceptance. | Prior to finalizing building permits | | | |
| TR-3 | To improve the County roadways as well as to provide sufficient access to existing and new development, including non-motorized transportation options, the Applicant shall finance and install pedestrian walkways, equestrian trails, and multi-purpose paths in the new development, as appropriate. (General Plan Policy 2E.12). | Prior to finalizing building permits | | | |
| TR-4 | All work done on the project site is subject to periodic inspections by the County and shall be certified by the Applicant's Engineer of Record. The Applicant shall reimburse the County for all on- and off-site plan review and inspection costs incurred by County staff, including contracted consultant services. | Prior to finalizing building permits | | | |
| TR-5 | Except as approved and permitted by the County, all appurtenances, such as fences along with private signs, shall be located outside of the public road right-of-way. (Streets & Highways Code Section 1460). | Prior to finalizing building permits | | | |
| TR-6 | All dead-end roads shall have a turnaround at their terminus per the County's latest design standards. | Prior to finalizing building permits | | | |
| SOLID WASTE (SW) | | | | | |
| SW-1 | Arrangement for waste disposal and recycling services will be the responsibility of the Applicant and/or site tenants, including service compliance with SB 1383 per Chapter 7.24 of the Madera County Municipal Code. | Prior to finalizing building permits | | | |



TABLE MOUNTAIN RANCHERIA

TRIBAL GOVERNMENT OFFICE

June 25, 2024

Jacob Aragon, Planner
Madera County, Community Economic Development
Planning Division
200 W 4th St., Suite 4100
Madera, CA 93637

Michelle Heredia-Cordova
Tribal Chairperson

Richard L. Jones
Tribal Vice-Chairperson

Jenna Gosselaar
Tribal Secretary/Treasurer

Samantha Toles-Rodriguez
Tribal Council Member-At-Large

Mark Martinez
Tribal Council Member-At-Large

RE: Firebaugh Community Solar and Battery Storage Facility

Dear: Jacob Aragon

This is in response to your letter dated, June 12, 2024, regarding, Firebaugh Community Solar and Battery Storage Facility in Madera County, California. Thank you for notifying us of the potential development and the request for consultation.

We decline participation at this time but would appreciate being notified in the unlikely event that cultural resources are identified.

Sincerely,

Robert Pennell
Tribal Cultural Resources Director
rpennell@tmr.org
559.325.0351

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RECEIVED

JUL 03 2024

MADERA COUNTY
PLANNING/BUILDING DEPARTMENT

**County of Madera
California Environmental Quality Act (CEQA)
Initial Study**

- 1. Project title:** PM #4318/CUP #2024-003 – Firebaugh CSG 1 Solar Project

- 2. Lead agency name and address:** County of Madera
Community and Economic Development Department
200 West 4th Street, Suite 3100
Madera, California 93637

- 3. Contact person and phone number:** Jacob Aragon, Planner II
559-675-7821

Jacob.Aragon@maderacounty.com

- 4. Project Location & APN:** The subject property is located on the north side of Avenue 7, approximately 0.8 miles east from the intersection with Firebaugh Boulevard, (No Situs), Madera.

APN #: 041-222-005

- 5. Project sponsor's name and address:** Firebaugh CSG 1 LLC
11100 Santa Monica Blvd, Suite 780
Los Angeles, CA 90024

- 6. General Plan Designation:** AE (Agricultural Exclusive)

- 7. Zoning:** ARE-40 (Agricultural, Rural, Exclusive)

8. Description of project:

The proposed Firebaugh CSG 1 Solar Project (Project) is a small-scale utility solar generation plus battery energy storage project located on approximately 25 acres of an approximate 322-acre parcel situated 0.72 mile east of the intersection of Firebaugh Boulevard and Avenue 7 ½ (APN 041-222-005 & 042-082-006). The proposed Project is located on the north side of Avenue 7 on privately-owned parcels in Madera County, California. Firebaugh CSG 1 LLC has entered into a long-term lease agreement with the property owner and is requesting a Conditional Use Permit (CUP) approval from Madera County in order to proceed with construction of the small-scale solar and battery storage project.

The Project consists of a single-axis tracker, ground mounted photovoltaic (PV) community solar and battery energy storage facility with a capacity of approximately 6.68 megawatt (MW) direct current (DC)/5.00 MW alternate current (AC). The Project will interconnect to the Pacific Gas and Electric (PG&E) pre-existing electrical distribution system. Additionally, the Project will be equipped with battery energy storage technology that will allow on-site renewable energy generation to be stored and dispatched onto the grid when needed. Single-axis tracking technology will be utilized to allow the

modules to efficiently track the sun throughout the day and maximize the efficiency of solar collection. The modules will be mounted on a steel racking system, which will be anchored into the ground using driven steel piers. The overall height of the array will be no more than 15-feet tall when the panels are at maximum vertical tilt. Locally sited energy storage systems like the Project improve the resiliency of the regional energy grid and increase the utilization of renewable energy resources by storing energy generated by the solar facility during the day and discharging during peak demand hours. An additional area just north of Firebaugh Road will be used for the interconnect point (referenced as “interconnect area” in this document); however, the utility company would perform the work in this area to connect the Project to the point of interconnect, not the Project proponent. Therefore, the interconnect area is not part of the Project as defined in this Initial Study, and impacts (if any) within the interconnect area would have to be assessed by the utility company.

9. Surrounding Land Uses and Setting:

The surrounding land uses are primarily agricultural with rural residences interspersed throughout, and the adjacent properties are within the ARE-40 and ARE-20 Exclusive Agricultural Zones.

10. Other Public Agencies Whose Approval is Required:

None.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code Section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

In accordance with Public Resources Code Section 21080.3.1, notification letters were sent to tribal representatives of California Native American tribes that have requested to be notified of projects within the project area of Madera County. Tribal representatives were advised of the project and invited to request formal consultation with the County regarding the project within 30 days of receiving the notification letters. Seven notification letters were sent to representatives of the following tribes.

- Table Mountain Rancheria
- Picayune Rancheria of the Chukchansi Indians
- Dumna Wo Wah Tribal Government
- Chowchilla Yokuts Tribe

As of the preparation of this Initial Study, more than 30 days following the County’s transmittal of notification letters, no requests for consultation have been received; however, a letter from Table Mountain Rancheria Cultural Resources Department expressing interest was received. Section XVIII of this Initial Study provides additional discussion of tribal cultural resources and outreach.

| | | | | |
|--|--------------------------------|---|------------------------------|-----------|
| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|------------------------------|-----------|

I. AESTHETICS

Except as provided in Public Resources Code Section 21099, would the project:

- | | | | | |
|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Have a substantial adverse effect on a scenic vista? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a) No Impact. The Project area and components would not be visible from any areas designated as scenic vistas or that have substantial characteristics of a scenic vista.

(b) No Impact. The Project area does not contain scenic resources and is not visible from a state scenic highway. The proposed solar facility will be situated within existing agricultural land and will not degrade the visual character of the surrounding area.

(c) Less Than Significant Impact. The Project parcels are zoned ARE-40 and are currently undeveloped in a non-urbanized area. The Project area is primarily surrounded by agricultural uses and is not considered to represent a unique or otherwise important visual resource. The Project development may be visible to motorists on the segments of Firebaugh Boulevard and Avenue 7 however, the view would be minimal. Limited grading will be necessary to construct the Project. The proposed solar facility will be surrounded by agricultural land and will not degrade the visual character of the surrounding area. As a result, the Project would not substantially alter the existing character of the site and would not result in visually dominant or adverse qualities that would affect a substantial number of viewers. Therefore, the change in the visual character of the site due to the Project is considered less than significant.

(d) No Impact. The solar panels are not reflective and will be constructed of dark-colored materials. The facility will not be illuminated at night.

| | | | |
|--------------------------------------|--|------------------------------------|--------------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------------|--|------------------------------------|--------------|

II. AGRICULTURAL AND FORESTRY RESOURCES

In determining whether agricultural impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a) Less Than Significant Impact. The Project site is within the ARE-40 zone. The Farmland Mapping and Monitoring Program of the California Resources Agency classifies the current parcel as Unique Farmland. The applicant's proposed use is permitted in the

ARE-40 (Agricultural Rural Exclusive 40-Acre) District with a Conditional Use Permit. With the current groundwater issues occurring in the Madera Subbasin, the solar facility is determined as an appropriate use for agricultural lands.

(b) Less Than Significant Impact. According to the County's Zoning Ordinance, a Solar Energy System is permitted on the Project area with a Conditional Use Permit. A portion of the Project area is subject to the Farmland Security Zone cancellation request under the Williamson Act Contract, which will allow the project site to be developed as a Solare Energy System. With the current groundwater issues occurring in the Madera Subbasin, the solar facility is determined as an appropriate use for agricultural lands.

(c) No Impact. The Project will not require rezoning, as Solar Energy Systems are a Conditionally Permitted Use within the Agriculture Zone. Furthermore, the parcel is not considered forest land, timberland, or timberland zoned Timberland Production.

(d) No Impact. The Project area is not considered forest land. The site is within a primarily rural residential area with agriculture practices and grazing.

(e) Less Than Significant. The Project will involve the conversion of portions of the Project parcels to non-agricultural use; however, the site will be able to be converted back to agricultural use once the facility is decommissioned. The adjacent parcels are within the ARE-40 and ARE-20 zones and will retain their use as agricultural. The Project proponent will adhere to any additional conditions regarding decommissioning of the facility and conversion back to agricultural use in the future.

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|--|--------------------------------|---|------------------------------|-----------|
| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|------------------------------|-----------|

III. AIR QUALITY

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:

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|---|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Conflict with, or obstruct implementation of, the applicable air quality plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Expose sensitive receptors to substantial pollutant concentrations? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a) Less Than Significant Impact. The San Joaquin Valley Air Pollution Control District

(SJVAPCD) has published the Guide for Assessing and Mitigating Air Quality Impacts (GAMAQI) that includes emission-based thresholds for projects. The Project will adhere to these thresholds and will not generate population or employment growth. Maintenance work will occur an estimated four times per year and will not result in a measurable increase in vehicle trips.

(b) Less Than Significant Impact. The SJVAPCD State Implementation Plan commitments are contained in the 2004 Extreme Ozone Attainment Demonstration Plan and the 2003 PM 10 Plan. These plans identified the need to reduce PM10 and NOx substantially in order to attain and maintain the ambient air-pollution standards on schedule. During construction, the proposed Project would affect local particulate concentrations primarily due to fugitive dust sources and contribute to ozone and PM 10/PM 2.5 levels due to exhaust emissions. Because of this, construction activities would temporarily affect local air quality, causing a temporary increase in particulate dust and other pollutants. Dust emission during periods of construction would increase particulate concentrations at neighboring properties; however, unmitigated construction emissions would not exceed the applicable SJVAPCD thresholds, including PM 10 (exhaust plus fugitive). Prior to construction of each project phase, the applicant will be required to submit a dust control plan that meets regulation requirements. These plans are reviewed by SJVAPCD, and construction cannot begin until District approval is obtained. Dust control plans and dust suppression activities include watering, control of fugitive dust, and record keeping of dust control measures which meet the regulation requirements. Furthermore, anyone who prepares or implements a Dust Control Plan must attend a training course conducted by the district.

Stationary combustion equipment that could emit air pollution during facility operation is not proposed for the Project. Photovoltaic energy projects, such as this one, do not usually include these sources. If stationary sources are included in the Project later, they may require permits from SJVAPCD. Such sources could include combustion emissions from standby emergency generators (rated 50 horsepower or greater). These sources would normally result in minor emissions, compared to those from traffic generation and off-road maintenance equipment reported above. Sources of stationary air pollutant emissions complying with all applicable SJVAPCD regulations generally will not be considered to have a significant air quality impact. Stationary sources that are exempt from SJVAPCD permit requirements due to low emission rates would not be considered to have a significant air quality impact.

(c) No Impact. There are no sensitive receptors near the site, as the closest residence is over 7,000 feet west of the proposed Project area. Sensitive receptors for air quality include facilities or land uses that serve or house members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of sensitive receptors include schools, hospitals, and residential areas. The Project area is surrounded by agricultural land use.

(d) Less Than Significant Impact. The occurrence and severity of odor impacts depends on numerous factors, including the nature, frequency, and intensity of the source; wind speed and direction; distance from the odor source; and the sensitivity of the affected receptor. Offensive odors do not typically result in physical harm, but they can create a nuisance and may result in complaints from the affected public. Construction could potentially result in odorous exhaust emissions from use of gasoline- and diesel-fueled vehicles and equipment. However, these emissions would be intermittent and temporary and would dissipate with an increase in distance

from the construction location. Given the temporary and intermittent nature of odor-generating construction activities, and the dispersion of emissions compared to the limited proximity and low number of potential receptors, construction of the Project would not expose people to objectionable odors for an extended period or lead to odorous emissions that would adversely affect substantial numbers of people. Impacts associated with odors during construction would be minimal and temporary, and therefore less than significant. The proposed Project is a solar development and energy storage facility, which is not expected to result in objectionable odors during operation. Therefore, operation of the Project would not result in emissions leading to odors that would adversely affect substantial numbers of people, and the impact would be less than significant.

IV. BIOLOGICAL RESOURCES

Would the project:

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|------------------------------|-------------------------------------|
| a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of a native wildlife nursery site? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a) Less Than Significant Impact With Mitigation. The Biological Resources Assessment (BRA) prepared for the Project noted that one special-status wildlife species, Swainson's hawk (*Buteo swainsoni*), was determined to have a moderate potential to occur in or adjacent to the Study Area (which included the Project area, access road, interconnect route and interconnect area) and surrounding vicinity. No special-status plant species have a moderate or greater potential to occur in the Project area due to the high level of disturbance and lack of suitable habitat in the Project area.

The Study Area is not within critical habitat limits for any federally-listed species. Several common wildlife species adapted to life in proximity to human activity like coyote (*Canis latrans*) and raccoon (*Procyon lotor*) are likely to move through the Study Area on a regular basis to find food and cover; however, construction of the Project would not permanently affect these species' ability to forage or reproduce. Several common native and non-native bird species could use the Study Area for nesting and/or foraging, as there is suitable habitat available for several ground and shrub nesting species.

Impacts to Swainson's hawk and other nesting bird species due to noise, dust, and increased human presence within the Project area during construction, as well as the potential for increased presence of predators associated with trash attractants during construction activities that may prey upon special-status bird species could be considered a significant impact. The mitigation measures below and outlined in the BRA are recommended to address potential impacts to sensitive biological resources.

(b-c) No Impact. The project area does not include any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service. No wetlands or other waters that could be considered jurisdictional by the U.S. Army Corps of Engineers, Regional Water Quality Control Board, or California Department of Fish and Wildlife were observed within or adjacent to the Study Area during the survey and no agricultural ditches are present.

(d, e, and f) Less Than Significant Impact with Mitigation. The BRA indicates that the Project area is recognized by CDFW as an irreplaceable and essential corridor under the Statewide Terrestrial Connectivity map showing Areas of Conservation Emphasis. This area contains attributes identified across multiple studies that have indicated the relative importance of providing opportunities for the movement and dispersal of organisms critical to maintaining healthy populations and species survival.

The Project has been designed so that wildlife can move around all sides of the fence, as well as under the fence and through the arrays. The Project will not create pinch points or barriers for wildlife to access similar habitat in the general vicinity of the Study Area. Temporary effects due to noise and increased human activity during Project construction would not interfere with local movement patterns over time or affect the ability of these species to forage or reproduce. All native birds in California are protected by the federal Migratory Bird Treaty Act (MBTA), and Section 3503.5 of the California Fish and Game Code (CFGF) specifically protects raptors. Ground disturbance, noise, or removal of vegetation that would result in destruction of active bird nests or disruption of breeding/nesting activity could be a violation of the MBTA and the CFGF,

as well as a significant impact. Recommended measures to address potential biological resource impacts are included below.

The following mitigation measures are recommended to address potential impacts to sensitive biological resources:

BIO MM-1: Preconstruction Nesting Bird Survey. A nesting bird survey shall be performed by a qualified biologist no earlier than one week prior to construction or vegetation removal during the nesting season (March 1 – August 31) to determine if any native birds are nesting on or near the site (including a 350-foot buffer for raptors, where accessible). If any active nests are observed during surveys, a suitable avoidance buffer from the nests should be determined by the qualified biologist based on species, location, and extent and type of planned construction activity. These nests would be avoided until the chicks have fledged and the nests are no longer active, as determined by the qualified biologist. The removal of any suitable nesting habitat (i.e., trees and vegetation) outside of the bird breeding season to avoid impacts to nesting birds is also recommended.

BIO MM-2: Swainson's Hawk. Prior to initiation of project activities, a qualified biologist shall conduct protocol surveys for Swainson's hawk following the Swainson's Hawk Technical Advisory Committee's Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (TAC 2000). If project activities begin prior to the breeding season (March 1 – August 31) and are ongoing throughout the breeding season, Swainson's hawks are unlikely to initiate nesting within the Study Area due to elevated levels of noise and visual disturbance, and therefore protocol surveys would not be warranted. Alternatively, if construction is expected to begin during the breeding season, protocol-level surveys should be performed at a minimum in Period 2 (March 20 to April 5), and Period 3 (April 5 to April 20) to determine if nesting Swainson's hawks are present within 0.5-mile of the Study Area. Performing surveys during Period 1 (January 1 to March 20) would increase the chance of nest detections, as most nests are easily observed from relatively long distances when leaves are absent from trees, giving the surveyor the opportunity to identify potential nest sites, as well as becoming familiar with the Study Area. If active Swainson's hawk nests are detected during surveys in Period 2 and Period 3, monitoring of nests should occur in Period 4 (April 21-June 10) to maintain records on the status of the nests. During this time, Project activities should not be initiated until consultation with CDFW is sought to determine a proper strategy to avoid impacts to nesting Swainson's hawks, which would likely include avoidance in the form of no-work buffers or monitoring of active nests.

BIO MM-3: Trash Receptacles. To deter predators from being attracted to the Project Area during construction, all trash and waste items generated by construction or crew activities should be properly contained in a covered and locked trash receptacle and/or removed from the Project Area daily. This includes biodegradable items, such as apple cores and banana peels, that attract predators such as raccoons and American crows that could prey upon sensitive wildlife species. In addition, no firearms or pets should be allowed on the site during construction or Operations and Maintenance activities.

BIO MM-4: Common and Special-Status Wildlife Awareness. All Project personnel will visually check for animals in any pipes, culverts, or other open-ended materials and equipment stored on site for one or more overnight periods prior to moving, burying, or capping to ensure that no animals are present within the materials and equipment. To prevent accidental entrapment of wildlife during construction, all excavated holes, ditches, or trenches greater than six (6) inches deep will be covered at the end of each workday by suitable materials that cannot be displaced

or escape ramps will be placed in excavations. After opening and before filling, such holes, ditches, and trenches will be thoroughly inspected for trapped animals.

General Info

| Common Name | Federal Listing | State Listing | CDFW Listing | CNPS Listing |
|--|---------------------|---------------|--------------|--------------|
| Swainsons hawk | None | Threatened | - | - |
| mountain plover | None | None | SSC | - |
| western yellow-billed cuckoo | Threatened | Endangered | - | - |
| bank swallow | None | Threatened | - | - |
| tricolored blackbird | None | Threatened | SSC | - |
| loggerhead shrike | None | None | SSC | - |
| burrowing owl | None | None | SSC | - |
| white sturgeon | None | None | SSC | - |
| American bumble bee | None | None | - | - |
| San Joaquin kit fox | Endangered | Threatened | - | - |
| short-nosed kangaroo rat | None | None | SSC | - |
| Fresno kangaroo rat | Endangered | Endangered | - | - |
| San Joaquin pocket mouse | None | None | - | - |
| western mastiff bat | None | None | SSC | - |
| American badger | None | None | SSC | - |
| Nelsons (=San Joaquin) antelope squirrel | None | Threatened | - | - |
| California floater | None | None | - | - |
| Northern California legless lizard | None | None | SSC | - |
| blunt-nosed leopard lizard | Endangered | Endangered | FP | - |
| northwestern pond turtle | Proposed Threatened | None | SSC | - |
| giant gartersnake | Threatened | Threatened | - | - |
| coast horned lizard | None | None | SSC | - |
| Valley Sacaton Grassland | None | None | - | - |
| Sanfords arrowhead | None | None | - | 1B.2 |
| heartscale | None | None | - | 1B.2 |
| Lost Hills crownscale | None | None | - | 1B.2 |
| lesser saltscale | None | None | - | 1B.1 |
| subtle orache | None | None | - | 1B.2 |
| golden goodmania | None | None | - | 4.2 |
| recurved larkspur | None | None | - | 1B.2 |

Mendota Dam Quadrangle

List 1A: Plants presumed extinct

List 1B: Plants Rare, Threatened, or Endangered in California and elsewhere.

List 2: Plants Rare, Threatened, or Endangered in California, but more numerous elsewhere

List 3 Plants which more information is needed – a review list

List 4: Plants of Limited Distributed - a watch list

Ranking

0.1 – Seriously threatened in California (high degree/immediacy of threat)

0.2 – Fairly threatened in California (moderate degree/immediacy of threat)

0.3 – Not very threatened in California (low degree/immediacy of threats or no current threats known)

SSC Species of Special Concern

WL Watch List

EP Fully Protected

Effective January 1, 2007, Senate Bill 1535 took effect that has changed de minimis findings procedures. The Senate Bill takes the de minimis findings capabilities out of the Lead Agency hands and puts the process into the hands of the California Department of Fish and Wildlife (formally the California Department of Fish and Game). A Notice of Determination filing fee is due each time a NOD is filed at the jurisdictions Clerk’s Office. The authority comes under Senate Bill 1535 (SB 1535) and Department of Fish and Wildlife Code 711.4. Each year the fee is evaluated and has the potential of increasing. For the most up-to-date fees, please refer to: http://www.dfg.ca.gov/habcon/ceqa/ceqa_changes.html.

V. CULTURAL RESOURCES

Would the project:

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|-------------------------------------|-------------------------------------|
| a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Disturb any human remains, including those interred outside of formal cemeteries? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a) No Impact. A Cultural Resources Inventory and Evaluation was conducted. The Project area does not contain any buildings or structures that have the potential to be a historical resource. The cultural resource inventory of the Area of Potential Effects (APE) included a review of the natural and cultural environment including the prehistory, ethnography, and history; a review of historic maps; record search results from the Northeast Information Center (NEIC); and a pedestrian survey. As a result of these efforts, no cultural resources were identified in the APE. In addition, the high amount of disturbance due to past and current use of the APE for agricultural purposes have reduced the potential for subsurface cultural materials within the APE. The APE is considered to have a low sensitivity for buried

prehistoric and historic-era cultural resources and recommends a finding of no historic properties affected for the undertaking of this Project.

(b) Less Than Significant with Mitigation. No features exist on the property, including objects, sites, or landscapes, which could be considered as having cultural value as an archaeological resource. However, the mitigation measures provided below are recommended in the event any materials or remains are discovered.

(c) Less Than Significant with Mitigation. No new construction and ground-disturbing activities are proposed that could result in potential impacts to unknown human remains. However, the mitigation measures provided below are recommended in the event any materials or remains are discovered.

The following mitigation measures are recommended to address potential impacts to sensitive cultural resources that may be discovered during construction:

CUL MM-1: In the event archaeological resources are encountered during any ground-disturbing activities associated with the Project, all ground-disturbing work at the location, plus a reasonable buffer zone, must be immediately suspended. The approving County department shall be contacted, and a qualified professional archaeologist retained to analyze the significance of the find and formulate further mitigation (e.g., Project relocation, excavation plan, and protective cover) in consultation with culturally affiliated tribes or other descendant groups, where applicable.

CUL MM-2: Pursuant to California Health and Safety Code §7050.5, if known or suspected Native American or other human remains are encountered, all ground-disturbing work must cease in the vicinity of the discovery, and the County Coroner must be contacted. The respectful treatment and disposition of remains and associated grave offerings shall be in accordance with PRC §5097.98. The applicant and successors in interest are ultimately responsible for ensuring compliance with this condition.

CUL MM-3: In the event the Project design changes, and ground disturbance is anticipated beyond the APE as it is currently defined, further surveys shall be conducted in those new areas to assess the presence of cultural resources. Any newly discovered or previously recorded cultural resources within the additional survey areas shall be recorded (or updated) on appropriate DPR 523-series forms. If eligible historic properties/historical resources are identified and avoidance of these resources is not feasible, then an evaluation and/or data recovery program shall be drafted and implemented.

VI. ENERGY

Would the project:

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|-------------------------------------|--------------------------|
| a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a - b) Less Than Significant Impact. The Project is a small-scale utility solar generating and energy storage project. The Project will generate a total of 5.0 megawatts (MW) of clean, reliable solar energy when complete. Once construction is complete, the facility will not be staffed, and is not population or employment generating.

California has implemented numerous energy efficiency and conservation programs that have resulted in substantial energy savings. The State has adopted comprehensive energy efficiency standards as part of its Building Standards Code, California Codes of Regulations, Title 24. In 2009, the California Building Standards Commission adopted a voluntary Green Building Standards Code, also known as CALGreen, which became mandatory in 2011. CALGreen sets forth mandatory measures applicable to new residential and non-residential structures and additions and alterations on water efficiency and conservation, building material conservation, interior environmental quality, and energy efficiency.

Additionally, California has adopted a Renewables Portfolio Standard, which requires electricity retailers in the state to generate 33 percent of the electricity they sell from renewable energy sources (e.g., solar, wind, geothermal, hydroelectric from small generators, etc.) by the end of 2020. In 2018, SB 100 was signed into law, which increases the electricity generation requirement from renewable sources to 60% by 2030 and requires all the state's electricity to come from carbon-free resources by 2045. The main sources of energy consumption would be construction activities and ongoing Project operations. Project construction would involve fuel consumption and use of other nonrenewable resources. Construction equipment used for such improvements typically runs on diesel fuel or gasoline. The same fuels are typically used for vehicles transporting equipment and workers to and from a construction site. However, construction-related fuel consumption would be finite, short-term and consistent with construction activities of a similar

character. This energy use would not be considered wasteful, inefficient or unnecessary. Equipment overtime would be more energy-efficient in order to assist with meeting State emissions reduction goals. Additionally, under California's Renewable Portfolio Standard, a greater share of electricity would be provided from renewable energy sources over time, so less fossil fuel consumption to generate electricity would occur. The Project would be required to comply with the building energy efficiency standards of California Code of Regulations Title 24, Part 6, also known as the California Energy Code. Compliance with these standards would reduce energy consumption associated with Project operations, although reductions from compliance cannot be readily quantified at this time. Overall, Project construction and operations would not consume energy resources in a manner considered wasteful, inefficient, or unnecessary. The Project would not conflict or obstruct any state or local plans for renewable energy efficiency, thus Project impacts related to energy consumption are considered less than significant.

VII. GEOLOGY AND SOILS

Would the project:

a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zone Map issued by the State Geologist for the area, or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

ii) Strong seismic ground shaking?

iii) Seismic-related ground failure, including liquefaction?

iv) Landslides?

b) Result in substantial soil erosion or the loss of topsoil?

c) Be located on a geological unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

| | | | |
|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
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| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a i - iv) Less than Significant Impact. The Project will be constructed in accordance with California Building Code requirements, the facility will not be staffed, and is expected to require only four maintenance visits a year. Like much of the region, the site is expected to experience strong seismic ground shaking during an earthquake, and as such the Project will be designed and constructed in accordance with California Building Code requirements. The Project area generally does not have slopes greater than 15 percent and has not been identified as one that has experienced previous landslides.

According to the California Earthquake Hazards Zone Application (EQ Zapp) located on the Department of Conservation, the Project is not within an Earthquake Fault Zone (Department of Conservation, 2022). The Earthquake Shaking Potential for California Map located on the Department of Conservation's website displays the Level of hazards regarding ground shaking for each county. According to the map, the Project site is located in a region where only weaker masonry buildings would be damaged. However, very infrequent earthquakes could still cause strong shaking. The Project does not include the construction of masonry buildings and therefore, there would be a less than significant impact (Department of Conservation, 2016).

(b) Less Than Significant Impact With Mitigation. The parcel is subject to potential erosion due to rain events; however, with the implementation of HYDRO MM-1, construction Project proponents will be required to submit a Notice of Intent and Storm Water Pollution Prevention Plan (SWPPP) to the Regional Water Quality Board to obtain a National Pollutant Discharge Elimination System (NPDES) General Construction Permit. The SWPPP will include Best Management Practices (BMPs) to control erosion and siltation on the site in order to prevent water quality degradation. Such measures may include, but are not limited to, covering the graded area with straw or straw matting, and using water for dust control. Implementation of HYDRO MM-2 will require all stabilized construction on, and at off-site access locations be constructed per the latest edition of the California Stormwater Quality Association (CASQA) details to effectively prevent tracking of sediment onto paved areas. If applicable, all BMPs will be inspected weekly and before and after each rain event and repaired or replaced as necessary. The contractor shall abide all the laws, ordinances, and regulations associated with the NPDES and the Clean Water Act. Due to the flat nature of the Project area, and given that the site has been previously developed, development within the Project area would result in a less than significant soil erosion impact.

(c) Less Than Significant Impact. The Project area is not located in an earthquake fault zone and is in an area with a low probability of seismic activity. Lateral spreading, subsidence, and collapse are uncommon in Madera County. Since the Project area is not located on a geologic unit or soil that is unstable or would become unstable due to Project activities, there is little to no potential for result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse. Impacts from these criteria are considered less than significant.

(d) Less Than Significant Impact. According to Table 18-1B of the Uniform Code (1994) soils meeting all four of the following provisions shall be considered expansive, except that tests to show compliance with Items 1, 2 and 3 shall not be required if the test prescribed in Item 4 is conducted (California Building Code, 2022):

1. Plasticity index (PI) of 15 or greater, determined in accordance with ASTM D4318.
2. More than 10 percent of the soil particles pass a No. 200 sieve (75 μ m), determined in accordance with ASTM D422.
3. More than 10 percent of the soil particles are less than 5 micrometers in size, determined in accordance with ASTM D422.
4. Expansion index greater than 20, determined in accordance with ASTM D4829.

According to the Natural Resources Conservation Services (NRCS) Web Soil Survey, five soil types have been mapped within the Project area: Cajon loamy sand (CaA), El Peco-Dinuba fine sandy loam (EdA), Fresno and El Peco fine sandy loams (FebA), Fresno and El Peco fine sandy loams (FecA), and Cajon loamy sand (CaaA), with 0 to 1 percent slopes. The detailed Project design will account for site specific conditions and be informed by a geotechnical evaluation of substrate conditions. Further, the Project will be designed per local and state building requirements.

(e) No Impact. The Project will not require a septic system.

(f) Less Than Significant Impact. Should any unique paleontological resource or site or a unique geological feature be found, the Project will adhere to any required Conditions of Approval and Best Management Practices to ensure their protection.

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------------|---|-------------------------------------|-------------------------------------|
| VIII. GREENHOUSE GAS EMISSIONS | | | | |
| Would the project: | | | | |
| a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a) Less than Significant Impact. The Project is assumed to generate approximately 5.5 megawatts (MW) AC or 6.5 MW DC,. The California Emissions Estimator Model (CalEEMod) was used to predict the amount of GHG emissions reduced, assuming a similar amount of power generated in California. In CalEEMod, the “Statewide Average” electric utility was the selected utility and the amount of electricity generated was entered in the mitigation module of CalEEMod for operational emissions (energy). Construction of the Project will generate a temporary increase in greenhouse gas (GHG) emissions from worker vehicle trips, truck use, and equipment exhaust. However, the Project will lower reliance on carbon-based energy sources and will not increase vehicle trips as the facility will not be staffed and will only require minimal maintenance-related visits a year. Unscheduled maintenance visits will generally only occur if there is an emergency. During operation, the Project would generate less than one metric ton CO₂e associated with maintenance. Electricity generated would offset about 1,803 metric tons.

(b) Less than Significant Impact. No Impact. The Project is consistent with the State GHG policy to encourage solar power development as a means to reduce fossil fuels and GHG emissions and improve air quality.

IX. HAZARDS AND HAZARDOUS MATERIALS

Would the project:

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|-------------------------------------|-------------------------------------|
| a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) For a project located within 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 result in a safety hazard or excessive noise for people residing or working in the project area? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f) Impair implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a – d) No Impact. During the construction phase of the Project, materials and equipment which may have the potential to be hazardous may be used. However, all construction activities, materials and equipment usage will comply with applicable local and State regulations regarding transport, usage, and disposal. Design and Construction will adhere to all California Building and Fire Codes including Chapter 7A of the California Building Code and Chapter 47 of the California Fire Code, including Public Resources Code 4290 and 4291, current adopted Board of Forestry Fire Safe Regulations, and Madera County Standards. The Project will not emit hazardous emissions and the project is not located on a site included on a list compiled pursuant to Government Code Section 65962.5.

(e) Less Than Significant Impact. The closest airport is the Firebaugh airport approximately 12 miles west of the Project area. Therefore, the Project would not expose people to a safety risk or excessive noise and would have a less than significant impact.

(f) No Impact. The project would not interfere with and adopted emergency response plan or emergency evacuation plan.

(g) No Impact. According to the Madera County General Plan, a Wildland is a non-urban, natural area that contains uncultivated land, timber, range, watershed, brush, or grasslands. Although there are areas of grassland in the vicinity of the Project area, the Project area is located in a heavily agricultural area where the ground has been disturbed and cultivated and is generally absent of natural vegetation. The Project will not expose people or structures, directly or indirectly, to a significant risk of loss, injury, or death involving wildfires (County of Madera, 1995).

X. HYDROLOGY AND WATER QUALITY

Would the project:

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|------------------------------|-------------------------------------|
| a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would: | | | | |
| (i) Result in substantial erosion or siltation on- or off-site; | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site; | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| (iv) Impede or redirect flood flows? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a) Less Than Significant Impact With Mitigation. The Project area is relatively flat and during the construction phase of the project, activities will adhere to local and state regulations regarding stormwater and discharge requirements. However, preparation of the Project area would require disturbance of the parcel, which could result in erosion and siltation with the potential to violate water quality standards. Additionally, accidental spills

or disposal of potentially harmful materials used during construction or operation of the project could possibly wash into and pollute surface water runoff. A Storm Water Pollution Prevention Plan for construction-related activities would include, but not be limited to, the following types of Best Management Practices (BMPs) to minimize the potential for pollution related to material spills:

- Vehicles and equipment will be cleaned;
- Vehicle and equipment fueling and maintenance requirements will be established;
- A spill containment and clean-up plan will be in place prior to and during construction activities.

In order to reduce potential impacts to water quality during construction activities, mitigation measure HYDRO MM-1 and HYDRO MM-2 below will be required. Once construction is complete, the Project will not generate wastewater.

(b) No Impact. The project is a Solar Energy System and will not draw groundwater, and the Project area is not mapped as a groundwater basin or subbasin.

(c i - iv) Less Than Significant Impact With Mitigation. Drainage and grading in the Project area will adhere to all local and state regulations. However, all disturbed areas will be vulnerable to erosion during the winter rainy season. With the implementation of HYDRO MM-1 and HYDRO MM-2, the Project will have a less than significant impact.

(d) No Impact. The Project area is not within any flood hazard, tsunami, or seiche zones.

(e) No Impact. The Project will not conflict with any water quality or groundwater plan.

HYDRO MM-1: Prior to construction, the Applicant shall submit a copy of: (1) the approved Storm Water Pollution Prevention Plan (SWPPP) and (2) the Notice of Intent (NOI) to comply with the General National Pollutant Discharge Elimination System (NPDES) from the Central Valley Regional Water Quality Control Board. The requirements of the SWPPP and NPDES shall be incorporated into design specifications and construction contracts. The Applicant or person responsible shall meet County of Madera construction site requirements regarding the control of surface water, and runoff. Runoff created at the project site shall meet the following minimum requirements:

- Sediments generated on the project site shall be retained using adequate treatment control or structural Best Management Practices (BMPs)
- Construction-related materials, wastes, spill or residues shall be retained at the project site to avoid discharge to streets, drainage facilities, receiving waters or adjacent properties by wind or run-off.

HYDRO MM-2: All stabilized construction at on and off-site access locations shall be constructed per the latest edition of the California Stormwater Quality Association (CASQA) details to effectively prevent tracking of sediment onto paved areas. If applicable, all BMPs are to be inspected weekly and before and after each rain event and repaired or replaced as necessary. The contractor shall abide all the laws, ordinances, and regulations associated with the NPDES and the Clean Water Act.

XI. LAND USE AND PLANNING

Would the project:

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Physically divide an established community? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a) No Impact. The Project is located within an agricultural area, it will not physically divide an established community.

(b) No Impact. The Project is subject to the approval of a Conditional Use Permit (CUP) and the applicable findings. It does not require a General Plan amendment and will not conflict with the Zoning ordinance. The parcel is not within any plan area which conflicts with use of the property as a Solar Energy System.

XII. MINERAL RESOURCES

Would the project:

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

- | | | | | |
|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a) No Impact. The project site is not within an area identified as having a known mineral resource of value to the state or region.

(b) No Impact. The Project will not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan.

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

XIII. NOISE

Would the project result in:

- | | | | | |
|---|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 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 ordinances, or applicable standards of other agencies? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| b) Generation of excessive groundborne vibration or groundborne noise levels? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a) Less Than Significant Impact With Mitigation. Operation of the proposed project would generate levels of noise typical of a RV Resort; however, the project site is located in an agricultural area with winery operations to the east and an agricultural facility to the north of the project site. During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would increase ambient noise levels when in use and could potentially have an impact however with the implementation of of NOISE MM-1 the project would have a less than significant impact.

NOISE MM-1 The following measures shall be incorporated into the project on-site construction operations:

- Pursuant to Section 9.58.020(G) of the Madera County Municipal Code, construction activities are limited to the hours of 7:00 a.m. to 7:00 p.m. Monday through Friday, and from 9:00 a.m. to 5:00 p.m. on Saturdays. Construction activities are prohibited on Sundays.
- All equipment and vehicles should be powered off when not in use. Unnecessary idling of internal combustion engines should be prohibited.
- All mobile or fixed noise-producing equipment used on the project site that are regulated for noise output by a federal, state, or local agency shall comply with such regulations while in the course of project activity.
- Select quiet equipment, particularly air compressors, whenever possible. All noise producing project equipment and vehicles using internal combustion engines should be equipped with manufacturer-recommended mufflers and be maintained in good working condition. Electrically powered equipment should be used instead of pneumatic or internal combustion powered equipment, where feasible.

- Project area and site access road speed limits shall be established and enforced during the construction period.

b) Less Than Significant Impact. During project construction, heavy equipment would be used for grading, excavation, paving, and building construction, which would generate localized vibration in the immediate vicinity of the construction.

c) No Impact. This project is not located near either of the municipal airports (Chowchilla and Madera) and is outside of the two-mile analysis requirement and, therefore would not have an impact.

XIV. POPULATION AND HOUSING

Would the project:

a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and business) or indirectly (for example, through extension of roads or other infrastructure)?

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

| | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

| | | | |
|--------------------------|--------------------------|--------------------------|-------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------------|--------------------------|--------------------------|-------------------------------------|

Responses:

(a) No Impact. The project is to assist in providing reliability to the California electric grid, this type of project would not induce unplanned population growth either directly or indirectly.

(b) No Impact. The project is located on a vacant site and would not displace housing or people.

| | | | |
|--------------------------------------|--|------------------------------------|--------------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------------|--|------------------------------------|--------------|

XV. PUBLIC SERVICES

a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

| | | | | |
|-----------------------------|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| i) Fire protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| ii) Police protection? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| iii) Schools? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| iv) Parks? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| v) Other public facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a – i-ii) Less Than Significant Impact. As previously stated, the project will be providing reliability to the California electric grid. The project could increase the risk of emergency services being provided to the project site; however, the increase would be minimal and would not require new or physically altered governmental facilities. Therefore, the project would have a less than significant impact.

(a – iii through v) No Impact. The project would not result in new or physically altered governmental facilities to maintain acceptable service ratios, response times, or other performance objectives for any public services. And therefore, the project will have no impact.

XVI. RECREATION

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|------------------------------|-------------------------------------|
| a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a – b) No Impact. The project would not result in the need for new or physically altered governmental or recreational facilities. The project is for commercial use and would not result in an increase in population or the need for parks or recreational facilities and, as a result, would have no impact.

XVII. TRANSPORTATION

Would the project:

| | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|---|--------------------------------|---|-------------------------------------|-------------------------------------|
| a) Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Substantially increase hazards due to a geometric design feature (e.g. sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Result in inadequate emergency access? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a-b) Less Than Significant Impact. The project is located on the south side of Avenue 12 and the east side of Road 30 ½. The project is subject to the 1995 Madera County General Plan. Section two of the 1995 Madera County General Plan provides policies relevant to Transportation and Circulation.

The project is a battery 200 MW battery energy storage system. The traffic generated as a result of the project will be two maintenance vehicles that will visit the site four times a year to include a service vehicle that will visit the site four times a year resulting in approximately twenty-four vehicle trips a year. as a result of the project will have a less than significant impact.

(c) No Impact. The project will not result in a geometric design feature that will result in sharp curves or dangerous intersections. As previously stated, the trip generation as a result of the project will approximately twenty-four vehicle tris a year and as a result the project will not have an impact.

(d) No Impact. The project will not result in inadequate emergency response and therefore have no impact.

| | | | |
|--------------------------------------|--|------------------------------------|--------------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------------|--|------------------------------------|--------------|

XVIII. TRIBAL CULTURAL RESOURCES

Would the project:

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

- | | | | | | |
|-----|---|--------------------------|--------------------------|--------------------------|-------------------------------------|
| i. | Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| ii. | A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a – i, ii) No Impact. In accordance with Public Resources Code Section 21080.3.1, notification letters were sent to tribal representatives of California Native American tribes that have requested to be notified of projects within the project area of Madera County. Tribal representatives were advised of the Project and invited to request formal consultation with the County regarding the Project within 30 days of receiving the notification letters. Eight notification letters were sent to representatives of the following tribes:

- Table Mountain Rancheria
- Picayune Rancheria of the Chukchansi Indians
- Dumna Wo Wah Tribal Government
- Chowchilla Yokuts Tribe

As of the preparation of this Initial Study, more than 30 days following the County’s transmittal of notification letters, no tribal representatives requested consultation. No tribal cultural resources have been identified associated with the site.

XIX. UTILITIES AND SERVICE SYSTEMS

Would the project:

| | | | |
|--------------------------------------|--|------------------------------------|--------------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------------|--|------------------------------------|--------------|

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Require or result in the relocation or construction of new or expanded water, wastewater treatment, or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it had adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a–e) Less Than Significant Impact. The project is a Solar Energy System and will not generate wastewater, will not require water to serve it, and will not generate solid waste. It is Low Impact Development (LID) that minimizes impervious area and minimizes runoff.

| | | | |
|--------------------------------|---|------------------------------|-----------|
| Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--------------------------------|---|------------------------------|-----------|

XX. WILDFIRE

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) Substantially impair an adopted emergency response plan or emergency evacuation plan? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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 a wildfire? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Responses:

(a - d) No Impact. The Project area is located in a Local Responsibility Area (LRA) and is not in a fire hazard severity zone. It will be accessed via existing roads, which are not major arterials and are not expected to create a potential bottleneck should emergency response or evacuation be required, as the area is primarily agricultural and the types of activities occurring in the Project area typically do not contribute to or exacerbate wildfire risks. Following the construction phase of the Project, the site will be primarily unoccupied and is not characterized by steep slopes or prevailing winds which would expose any maintenance worker visiting the site to elevated risk.

Madera County developed an Operational Area Emergency Operations Plan which, was updated in January of 2010 and a Multi-Hazard Functional Plan which is responsible for establishing emergency management organization required to mitigate any emergency or disaster affecting Madera County. Both documents identify policies, responsibilities and procedures required to protect the health and safety of Madera County communities, public and private property, and the environmental effects of natural and technological emergencies and disasters. They also establish the operational concepts and procedures associated with Initial Response Operations (field response) to emergencies and the Extended Response Operations County Emergency Operations Center (EOC) activities and the recovery process. Madera County also developed a Local Hazard Mitigation Plan (LHMP) which is responsible for evacuation procedures. The LHMP states the Sheriff's Department uses a system known as "MCALERT". There is nothing in either document that indicate the Project would impact a response plan or emergency evacuation plan. The Project does not propose any actions or structures that expose people or structures to significant risks.

The facility will interconnect to the pre-existing PG&E electrical distribution system located on site and will be equipped with battery energy storage technology. This infrastructure is designed and engineered with fire safety features, such as hydrogen detection, active ventilation, fire, heat and smoke detection, fireproof insulation, heat activated sprinkler system and other fire suppression features. The Project does not expose people or structures to risks such as downslope or downstream flood or landslides, as the Project area is flat.

| XIX. MANDATORY FINDINGS OF SIGNIFICANCE | Potentially Significant Impact | Less Than Significant With Mitigation Incorporation | Less Than Significant Impact | No Impact |
|--|--------------------------------|---|-------------------------------------|--------------------------|
| a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Responses:

(a) Less Than Significant Impact. The Project will not degrade the quality of the environment, and with the incorporation of mitigation measures, would have a less than significant impact on the environment. The Project will not substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, or substantially reduce the number or restrict the range of a rare or endangered plant or animal.

Although no special-status species were observed in the Project area, potential impacts to species that may occur on the site will be reduced to less than significant with the implementation of the recommended mitigation measures for Biological Resources.

The project will not eliminate important examples of the major periods of California history or prehistory, including cultural and tribal cultural resources. A Cultural Resources Inventory and Evaluation was conducted and concluded the Project area does not contain any buildings or structures that have the potential to be a historical resource and no features exist on the property. However, the Cultural Resources mitigation measures are recommended in the event any materials or remains are discovered during construction.

Therefore, the project would not have the potential to substantially degrade the quality of the environment and, therefore will have a less than significant impact.

(b) Less Than Significant Impact. The Project does not have cumulatively considerable impacts. The individually limited impacts are discussed in their relevant sections above. The findings can be made for approval of the CUP for the Project, and with the application of standard conditions of approval and Project specific requirements, the Project does not have any impacts that are individually limited but cumulatively considerable.

(c) Less Than Significant Impact. The Project will not have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly.

Works Cited

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PM #4318 & CUP #2024-003

1

June 26, 2024

MITIGATED NEGATIVE

DECLARATION RE: PM #4318/CUP #2024-003 - Firebaugh
CSG 1 LLC

MND#2024-07

LOCATION AND DESCRIPTION OF PROJECT:

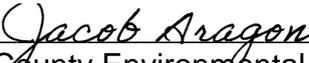
The property is located on the north side of Avenue 7, approximately 0.8 miles east from the intersection with Firebaugh Boulevard, (No Situs), Madera. The project request is for a Parcel Map (#4318) and Conditional Use Permit (#2024-003) to construct a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity. The proposed project will occupy approximately 25 acres of the 40 acre parcel created by Parcel Map #4318.

ENVIRONMENTAL IMPACT:

No adverse environmental impact is anticipated from this project. The following mitigation measures are included to avoid any potential impacts.

BASIS FOR MITIGATED NEGATIVE DECLARATION:

1. Please see attached Mitigation Monitoring Report.



Madera County Environmental Committee

A copy of the negative declaration and all supporting documentation is available for review at the Madera County Planning Department, 200 West Fourth Street, Ste. #3100, Madera, California.

DATED: June 26, 2024

FILED:

PROJECT APPROVED:

MITIGATION MONITORING REPORT

MND # 2024-07

| No. | Mitigation Measure | Monitoring Phase | Enforcement Agency | Monitoring Agency | Action Indicating Compliance | Verification of Compliance | | |
|---------------------------------------|--|----------------------------------|--|-------------------|------------------------------|----------------------------|------|---------|
| | | | | | | Initials | Date | Remarks |
| Aesthetics | | | | | | | | |
| 1 | Any proposed lighting associated with this project is to be hooded and directed downward and away from adjoining parcels. | Operations | Planning | | | | | |
| Agriculture/Forestry Resources | | | | | | | | |
| Air Quality | | | | | | | | |
| Biological Resources | | | | | | | | |
| 1 | Preconstruction Nesting Bird Survey. A nesting bird survey shall be performed by a qualified biologist no earlier than one week prior to construction or vegetation removal during the nesting season (March 1 – August 31) to determine if any native birds are nesting on or near the site (including a 350-foot buffer for raptors, where accessible). If any active nests are observed during surveys, a suitable avoidance buffer from the nests should be determined by the qualified biologist based on species, location, and extent and type of planned construction activity. These nests would be avoided until the chicks have fledged and the nests are no longer active, as determined by the qualified biologist. The removal of any suitable nesting habitat (i.e., trees and vegetation) outside of the bird breeding season to avoid impacts to nesting birds is also recommended. | PreConstruction/ Construction | California Department of Fish and Wildlife | | | | | |

| No. | Mitigation Measure | Monitoring Phase | Enforcement Agency | Monitoring Agency | Action Indicating Compliance | Verification of Compliance | | |
|-----|---|------------------------------|--|-------------------|------------------------------|----------------------------|------|---------|
| | | | | | | Initials | Date | Remarks |
| 2 | <p>Swainson's Hawk. Prior to initiation of project activities, a qualified biologist shall conduct protocol surveys for Swainson's hawk following the Swainson's Hawk Technical Advisory Committee's Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley (TAC 2000). If project activities begin prior to the breeding season (March 1 – August 31) and are ongoing throughout the breeding season, Swainson's hawks are unlikely to initiate nesting within the Study Area due to elevated levels of noise and visual disturbance, and therefore protocol surveys would not be warranted. Alternatively, if construction is expected to begin during the breeding season, protocol-level surveys should be performed at a minimum in Period 2 (March 20 to April 5), and Period 3 (April 5 to April 20) to determine if nesting Swainson's hawks are present within 0.5-mile of the Study Area. Performing surveys during Period 1 (January 1 to March 20) would increase the chance of nest detections, as most nests are easily observed from relatively long distances when leaves are absent from trees, giving the surveyor the opportunity to identify potential nest sites, as well as becoming familiar with the Study Area. If active Swainson's hawk nests are detected during surveys in Period 2 and Period 3, monitoring of nests should occur in Period 4 (April 21-June 10) to maintain records on the status of the nests. During this time, Project activities should not be initiated until consultation with CDFW is sought to determine a proper strategy to avoid impacts to nesting Swainson's hawks, which would likely include avoidance in the form of no-work buffers or monitoring of active nests.</p> | PreConstruction/Construction | California Department of Fish and Wildlife | | | | | |
| 3 | <p>Trash Receptacles. To deter predators from being attracted to the Project Area during construction, all trash and waste items generated by construction or crew activities should be properly contained in a covered and locked trash receptacle and/or biodegradable items, such as apple cores and banana peels, that attract predators such as raccoons and American crows that could prey upon sensitive wildlife species. In addition, no firearms or pets should be allowed on the site during construction or Operations and Maintenance activities.</p> | PreConstruction/Construction | California Department of Fish and Wildlife | | | | | |

| No. | Mitigation Measure | Monitoring Phase | Enforcement Agency | Monitoring Agency | Action Indicating Compliance | Verification of Compliance | | |
|---------------------------|---|----------------------------------|--|-------------------|------------------------------|----------------------------|------|---------|
| | | | | | | Initials | Date | Remarks |
| 4 | Common and Special-Status Wildlife Awareness. All Project personnel will visually check for animals in any pipes, culverts, or other open-ended materials and equipment stored on site for one or more overnight periods prior to moving, burying, or capping to ensure that no animals are present within the materials and equipment. To prevent accidental entrapment of wildlife during construction, all excavated holes, ditches, or trenches greater than six (6) inches deep will be covered at the end of each workday by suitable materials that cannot be displaced or escape ramps will be placed in excavations. After opening and before filling, such holes, ditches, and trenches will be thoroughly inspected for trapped animals. | PreConstruction/ Construction | California Department of Fish and Wildlife | | | | | |
| Cultural Resources | | | | | | | | |
| 1 | In the event archaeological resources are encountered during any ground-disturbing activities associated with the Project, all ground-disturbing work at the location, plus a reasonable buffer zone, must be immediately suspended. The approving County department shall be contacted, and a qualified professional archaeologist retained to analyze the significance of the find and formulate further mitigation (e.g., Project relocation, excavation plan, and protective cover) in consultation with culturally affiliated tribes or other descendant groups, where applicable. | PreConstruction/ Construction | Planning | | | | | |
| 2 | Pursuant to California Health and Safety Code §7050.5, if known or suspected Native American or other human remains are encountered, all ground-disturbing work must cease in the vicinity of the discovery, and the County Coroner must be contacted. The respectful treatment and disposition of remains and associated grave offerings shall be in accordance with PRC §5097.98. The applicant and successors in interest are ultimately responsible for ensuring compliance with this condition. | PreConstruction/ Construction | Planning | | | | | |
| 3 | In the event the Project design changes, and ground disturbance is anticipated beyond the APE as it is currently defined, further surveys shall be conducted in those new areas to assess the presence of cultural resources. Any newly discovered or previously recorded cultural resources within the additional survey areas shall be recorded (or updated) on appropriate DPR 523-series forms. If eligible historic properties/historical resources are identified and avoidance of these resources is not feasible, then an evaluation and/or data recovery program shall be drafted and implemented. | PreConstruction/ Construction | Planning | | | | | |
| 404 | | | | | | | | |

| No. | Mitigation Measure | Monitoring Phase | Enforcement Agency | Monitoring Agency | Action Indicating Compliance | Verification of Compliance | | |
|-----|---|-------------------------------|--------------------|-------------------|------------------------------|----------------------------|------|---------|
| | | | | | | Initials | Date | Remarks |
| | Energy | | | | | | | |
| | Geology and Soils | | | | | | | |
| | Greenhouse Gas Emissions | | | | | | | |
| | Hazards and Hazardous Materials | | | | | | | |
| | Hydrology and Water Quality | | | | | | | |
| 1 | <p>Prior to construction, the Applicant shall submit a copy of: (1) the approved Storm Water Pollution Prevention Plan (SWPPP) and (2) the Notice of Intent (NOI) to comply with the General National Pollutant Discharge Elimination System (NPDES) from the Central Valley Regional Water Quality Control Board. The requirements of the SWPPP and NPDES shall be incorporated into design specifications and construction contracts. The Applicant or person responsible shall meet County of Madera construction site requirements regarding the control of surface water, and runoff. Runoff created at the project site shall meet the following minimum requirements:</p> <ul style="list-style-type: none"> •Sediments generated on the project site shall be retained using adequate treatment control or structural Best Management Practices (BMPs) •Construction-related materials, wastes, spill or residues shall be retained at the project site to avoid discharge to streets, drainage facilities, receiving waters or adjacent properties by wind or run-off. | PreConstruction/ Construction | Public Works | | | | | |
| 2 | <p>All stabilized construction on and off-site access locations shall be constructed per the latest edition of the California Stormwater Quality Association (CASQA) details to effectively prevent tracking of sediment onto paved areas. If applicable, all BMPs to be inspected weekly and before and after each rain event. Repair or replace as necessary. The contractor shall abide all of the laws, ordinances, and regulations associated with the NPDES and the Clean Water Act.</p> | PreConstruction/ Construction | Public Works | | | | | |
| | Land Use and Planning | | | | | | | |
| | Mineral Resources | | | | | | | |
| | Noise | | | | | | | |

| No. | Mitigation Measure | Monitoring Phase | Enforcement Agency | Monitoring Agency | Action Indicating Compliance | Verification of Compliance | | |
|---|---|----------------------------------|--------------------|-------------------|------------------------------|----------------------------|------|---------|
| | | | | | | Initials | Date | Remarks |
| 1 | <p>The following measures shall be incorporated into the project on-site construction operations:</p> <ul style="list-style-type: none"> •Pursuant to Section 9.68.020(G) of the Madera County Municipal Code, construction activities are limited to the hours of 7:00 a.m. to 7:00 p.m. Monday through Friday, and from 9:00 a.m. to 5:00 p.m. on Saturdays. Construction activities are prohibited on Sundays. •All equipment and vehicles should be powered off when not in use. Unnecessary idling of internal combustion engines should be prohibited. •All mobile or fixed noise-producing equipment used on the project site that are regulated for noise output by a federal, state, or local agency shall comply with such regulations while in the course of project activity. •Select quiet equipment, particularly air compressors, whenever possible. All noise producing project equipment and vehicles using internal combustion engines should be equipped with manufacturer-recommended mufflers and be maintained in good working condition. Electrically powered equipment should be used instead of pneumatic or internal combustion powered equipment, where feasible. •Project area and site access road speed limits shall be established and enforced during the construction period. | PreConstruction/ Construction | Code Enforcement | | | | | |
| Population and Housing | | | | | | | | |
| Public Services | | | | | | | | |
| Recreation | | | | | | | | |
| Transportation | | | | | | | | |
| Tribal Cultural Resources | | | | | | | | |
| Utilities and Service Systems | | | | | | | | |
| Wildfire | | | | | | | | |
| Mandatory Findings of Significance | | | | | | | | |

BEFORE
 THE PLANNING COMMISSION
 OF THE COUNTY OF MADERA
 STATE OF CALIFORNIA

| | | |
|----------------------------------|---|---------------------------------------|
| In the Matter of |) | Resolution No.: <u>PCR 2024-_____</u> |
| |) | |
| FIREBAUGH CSG 1 LLC |) | RESOLUTION APPROVING THE |
| TENTATIVE PARCEL MAMP #4318 & |) | APPLICATION OF FIREBAUGH CSG 1 |
| CONDITIONAL USE PERMIT #2024-003 |) | LLC FOR A TENTATIVE PARCEL MAP, |
| |) | CONDITIONAL USE PERMIT, AND |
| |) | RELATED MITIGATED NEGATIVE |
| |) | DECLARATION UNDER THE CALIFORNIA |
| _____ |) | ENVIRONMENTAL QUALITY ACT (CEQA) |

WHEREAS, the Planning Commission at a regular meeting in the Madera County Government Center, 200 West 4th Street, Madera, California on Tuesday, August 6, 2024, held a duly noticed public hearing to consider the application of Firebaugh CSG 1 LLC for a Tentative Parcel Map and Conditional Use Permit; and

WHEREAS, County of Madera (“County”) staff has presented substantial factual information regarding the Tentative Parcel Map and Conditional Use Permit; and

WHEREAS, the hearing was to consider the application of Firebaugh CSG 1 LLC for a Tentative Parcel Map (PM #4318) dividing a 556.7 acre parcel into two (2) parcels (Parcel 1 – 516.7 acres and Parcel 2 – 40 acres) and a Conditional Use Permit (CUP #2024-003) to construct a single-axis tracker ground mounted photovoltaic (PV) community solar and battery storage facility, approximately 6.68MWdc/5.00MWac in capacity; and

WHEREAS, the property 041-222-005, 041-231-014, 042-081-004, and 042-082-006 (556.7 acres total) is located on the north side of Avenue 7, approximately 0.8 miles east from the intersection with Firebaugh Boulevard, (No Situs), Madera; and

WHEREAS, the property is zoned ARE-40 (Agriculture, Rural, Exclusive (40 Acre) District); and

WHEREAS, a draft Mitigated Negative Declaration (MND #2024-07) was also considered; and

WHEREAS, the Planning Commission has considered all public testimony and information presented during the public hearing regarding this item.

NOW, THEREFORE, BE IT RESOLVED that the Planning Commission finds as follows:

1. A Mitigated Negative Declaration (MND #2024-07) is hereby approved.
2. The proposed map is consistent with applicable general and specific plans.

The proposed General Plan designations is AE (Agriculture Exclusive) which allows for agricultural uses, limited agricultural support service uses, agriculturally oriented services, timber production, mineral extraction, airstrips, public and commercial refuse disposal sites, recreational uses, public and quasi-public uses, and similar and compatible uses. The property is zoned ARE-40 (Agriculture, Rural, Exclusive (40 Acre) District). A community solar project is consistent with the Zoning and General Plan designation as a public and quasi-public use, and the resulting lots will comply with each zone district's minimum size parcel requirement.

3. The design or improvements of the proposed subdivision is consistent with applicable general and specific plans. The design or improvements for the proposed Tentative Parcel Map will be consistent with the design General Plan and subject to the applicable conditions of approval.

4. The site is physically suitable for the type of development. The proposed Tentative Parcel Map will divide 556.7 acres into two (2) parcels (Parcel 1 – 516.7 – acres and Parcel 2 – 40 – acres). A community solar project is proposed for Parcel 2 and is subject to a Conditional Use Permit and associated conditions of approval.

5. The site is physically suitable for the proposed density or development. The proposed Tentative Parcel Map will divide 556.7 acres into two (2) parcels (Parcel 1 – 516.7 – acres and Parcel 2 – 40 – acres). The subsequent lots created will comply with the proposed General Plan and density requirements.

6. The design of the subdivision or the proposed improvements are not likely to cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitats. The proposed Tentative Parcel Map is not projected to have any substantial damage to the environment. The proposed Tentative Parcel Map will consist of a community solar project, and a Mitigated Negative Declaration (MND #2024-07) has been prepared.

7. The design of the subdivision or type of improvements is/are not likely to cause serious public health problems. Conditions have been added to the Tentative Parcel Map to regulate water/sewer standards and improve road access.

8. The design of the parcel map or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of property within the proposed subdivision. The proposed Tentative Parcel Map will not conflict with any easements due to the creation of new access on/to the site. The applicant will be required to obtain an encroachment permit before commencing any work within the County Road right-of-way.

9. The parcel map committee may approve the map if it finds that alternate easements, for access or use, will be provided, and that these will be substantially equivalent to ones previously acquired by the public. The proposed Tentative Parcel Map will gain access to the site via a proposed driveway from Avenue 7 and a proposed driveway from Firebaugh Boulevard.

10. The proposed use is consistent with the General Plan and Zoning Ordinance, and any applicable Area Plan or Specific Plan. The subject property is designated A (Agricultural) by the General Plan. The property is zoned ARE-40 (Agricultural, Rural, Exclusive (40 Acre) District). The zone district is consistent with the General Plan designation of A, which allows for various public and quasi-public uses. In addition, the project is consistent with General Plan Policy Goal 3.J to provide “efficient and cost-effective utilities.”

11. That any potentially significant negative impacts to environmental quality and natural resources have been properly evaluated and mitigated. Under the provisions of the California Environmental Quality Act (CEQA), Section 15074 and the Madera County Environmental Guidelines, the County has determined that this project will not have a significant effect on the environment. The Planning Commission therefore approves Mitigated Negative Declaration (MND #2024-07). The foregoing reflects the independent judgment and determination of the Planning Commission.

12. The proposed project does not violate the spirit or intent of the zoning ordinance. The parcel is zoned ARE-40 (Agricultural, Rural, Exclusive (40 Acre) District). The zoning designation allows for a community solar and battery energy storage system with an approved Conditional Use Permit. The Conditional Use Permit process requires

submittal of supporting documentation that allows the jurisdiction to analyze the project for health, safety, and welfare issues to make a recommendation. The approved Conditional Use Permit provides the local jurisdiction with the authority to ensure that the proposed project is maintained in a safe manner in accordance with the conditions and mitigation measures included in the approval.

13. The request will not be contrary to the public health, safety, or general welfare of the citizens of the County. The project is in a predominately agricultural and industrial portion of the County which allows for the proposed use. The PV solar array with attached battery storage will generate and store clean renewable solar energy with electricity offtake to be sold to residential customers within Madera County and the larger PG&E utility territory.

14. The proposed project will not be hazardous, harmful, noxious, offensive, or a nuisance because of noise, dust, smoke, odor, glare, or similar factors. The project must adhere to the conditions of approval as well as mitigation measures. The project will not generate hazardous, harmful, noxious, or offensive odors. The PV solar array with attached battery storage will generate and store clean renewable solar energy and will assist with reduction of greenhouse gas production.

15. The proposed project will not, for any reason, cause a substantial, adverse effect upon the property values and general desirability of the neighborhood. The project as designed will not have an adverse effect upon the property values and general desirability of the surrounding properties.

16. As a result of Findings 1 – 15, the Tentative Parcel Map and Conditional Use Permit are approved, subject to the applicable conditions.

* * * * *

The foregoing resolution was adopted on a motion by Commissioner _____ and seconded by Commissioner _____, at a regular meeting held before the Madera County Planning Commission on this _____ day of _____ 2023 by the following vote:

COMMISSIONER MILES-MATTINGLY VOTED: _____
COMMISSIONER DAL CERRO VOTED: _____
COMMISSIONER BURDETTE VOTED: _____
COMMISSIONER PALMER VOTED: _____
COMMISSIONER ESTRADA VOTED: _____

Tom Burdette, Chairperson

ATTEST:

Secretary of the Planning Commission

Approved as to Legal Form:
COUNTY COUNSEL

By: Amanda C. Savage
Digitally signed by: Amanda C. Savage
DN: CN = Amanda C. Savage email = asavage@lozanosmith.com, C = US
O = Lozano Smith
Date: 2024.07.22 11:02:06 -0700