

DRAFT INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION

**FOSTER CLEAN POWER PROJECT
RECORD No. PLN-2022-17922**

Applicant:

Renewable America LLC
4675 Stevens Creek Blvd, Ste 250
Santa Clara, CA 95051
Attn: Ardeshir Arian

Lead Agency:

Humboldt County Planning & Building Department
3015 H Street
Eureka, CA 95501

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1.0 INTRODUCTION

1.1 Project Overview

The proposed Foster Clean Power Project (Project) would construct, operate, and decommission a 7-megawatt photovoltaic (PV) solar power generation and battery storage facility consisting of solar photovoltaic (PV) module arrays, string inverters, and associated electrical conductors and equipment to produce and store electrical energy. The Project site is located immediately east of the City of Arcata in unincorporated Humboldt County on Assessor Parcel Number/Parcel ID(s): 505-151-012-000, 506-231-019-000, and 506-231-022.

The purpose of this Project is to implement a locally based renewable energy generating facility, that would provide clean renewable electricity for the residents of Humboldt County. The Project would enhance and improve the resilience of the power grid and reduce local residents' reliance on carbon-based fuels while lowering greenhouse gas (GHG) emissions.

The Project area would be approximately 30 acres in size and actual ground disturbance would be minimal. The solar arrays would be mounted on a racking system attached to steel piles driven into the ground. Single axis tracking technology would be utilized to allow the modules to efficiently track the sun throughout the day and maximize the effectiveness of solar collection. The bottom edge of the solar arrays would be approximately a minimum of 1 foot above ground and the top edge of the solar arrays would be approximately 14 feet above ground at its greatest point.

The Project site has a long history of heavy industrial and agricultural use. The Project site was in agricultural (hay or livestock) production until Simpson Lumber Company constructed an industrial mill site in the late 1940's or early 1950's. The Project site has been modified many times with the addition of warehouses and lumber storage racks. Between 1988 and 1993, the storage racks were removed. The fields have since been graded and are currently used for agriculture. The existing greenhouses are used to grow flowers, while the fields have been used for both flowers and mixed row crops.

The predominant land uses in the vicinity of the Project include intensive commercial agricultural operations, with mixed commercial, agricultural, and residential uses in the vicinity. Development associated with the City of Arcata is located approximately 850 feet east of the Project.

1.2 Lead Agency Name and Address

Lead Agency Name:	Humboldt County Planning & Building Department
Lead Agency Address:	3015 H Street, Eureka, CA 95501
Contact Person:	Rodney Yandell, Senior Planner
Phone Number:	707-441-2622

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1.3 Project Sponsor's Name and Address

Landowner

Arcata Land Company LLC
Attn: Lane Devries
3318 Foster Avenue
Arcata, CA 95521

Applicant

Renewable America LLC
Attn: Ardeshir Arian
4675 Stevens Creek Blvd, Ste 250
Santa Clara, CA 95051

1.4 Project Location

The Project is located immediately northwest of Foster Avenue at the intersection of Foster Avenue and Janes Road in unincorporated Humboldt County, California. The City of Arcata is located immediately southeast of the Project site on the southern side of Foster Avenue and to the east of the Project site (Figure A-1). The Project is located in Sections 19, 20, 29, and 30 of Township 6 North, Range 1 East, in the Arcata North 7.5-minute USGS quadrangle. The Project site is located approximately 2.9 miles east of the Pacific Ocean, at an elevation approximately 25 feet above sea level. The Project site is outside of the Coastal Zone, but within the City of Arcata Community Planning Area and City Sphere.

1.5 Assessor Parcels, Ownership, Zoning, and General Plan Designations

The assessor parcel numbers, ownership, County zoning and County General Plan land use designations for the Project site are shown in Table 1.1, below. Also, see Figures A-2 through A-5.

TABLE 1.1 ASSESSOR PARCELS, OWNERSHIP, ZONING AND GENERAL PLAN DESIGNATIONS

Legal Parcel	Current APN	Ownership	Zoning¹	General Plan²	Proposed Solar Development
Parcel B	505-151-012-000	Arcata Land Company, LLC	MH-Q; AE; AG	AE	Yes
	506-231-019-000		MH-Q; AE	AE	Yes
	506-231-022-000		MH-Q	AE	Yes

Notes:

1. MH = Heavy Industrial; Q = Qualified Combining Zone; AE = Agriculture Exclusive; AG=Agriculture General.
2. AE = Agricultural Exclusive.

1.6 California Environmental Quality Act

The Project is subject to the requirements of the California Environmental Quality Act (CEQA). CEQA encourages lead agencies and applicants to modify their projects to avoid potentially significant adverse impacts (Public Resources Code Section 21080[c][2] and State CEQA Guidelines Section 15070[b] [2]).

The Lead Agency for the proposed Project is the County of Humboldt, per CEQA Guidelines Section 21067. Compliance with CEQA is being implemented through the Department of Planning

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and Building. The purpose of this Initial Study (IS) is to provide a basis for determining whether to prepare an Environmental Impact Report (EIR), Negative Declaration, or Mitigated Negative Declaration (MND). This IS is intended to satisfy the requirements of CEQA (Public Resources Code, Div. 13, Sec 21000-21177) and the State CEQA Guidelines (California Code of Regulations, Title 14, Sec 15000-15387). The environmental checklist form contained in this document is based on Appendix G of the CEQA Guidelines. Based on the findings of the IS, a MND was prepared.

1.7 Agency Consultation

The California Department of Fish and Wildlife (CDFW) is a trustee agency under CEQA. CDFW was consulted and provided copies of the Biological Resources Assessment and Jurisdictional Waters Delineation Report for review and comment. Both reports were revised to address comments from CDFW, and the information has been incorporated into the IS/MND.

1.8 Tribal Consultation

In 2018, Archaeological Research and Supply Company prepared a Cultural Resources Investigation Report for the Arcata Land Company Property as part of the approved Cannabis Cultivation Project MND (updated June 2020). The Area of Potential Effect (APE) considered in that report overlaps the proposed Project site. The investigation included a records search through the California Historical Resources Information System's regional Northwest Center (NWIC), Native American Heritage Commission (NAHC) inquiry, coordination with local tribes, and pedestrian survey of the Site. In addition, representatives of the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria, and the Wiyot Tribe conducted a field visit with Archaeological Research and Supply Company in May 2018. In July 2022, Archaeological Research and Supply Company conducted a supplemental archaeological pedestrian survey of the proposed Project's APE and prepared an amendment to their 2018 report to support the cultural findings and analysis of the proposed Project.

On September 9, 2022, Humboldt County staff sent 10-day early consultation notifications to Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria, and the Wiyot Tribe. Blue Lake Rancheria responded on September 21, 2022, and the Wiyot Tribe responded on November 1. Both tribes indicated they were not aware of any tribal cultural resources on or immediately adjacent to the Project site, and therefore did not have immediate concerns. Both tribes recommended including procedures to address the inadvertent discovering of archaeological resources which have been incorporated into the MND. No responses from Bear River Band of Rohnerville Rancheria have been received to date.

On October 21, 2022, Humboldt County staff sent AB 52 referral letters to the tribes who have a cultural interest in the area, including the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria, Cher-Ae Heights Indian Community of the Trinidad Rancheria, and the Wiyot Tribe. The Tribes did not accept the request.

2.0 PROJECT DESCRIPTION

Renewable America LLC (RNA) proposes to construct, operate, and decommission a two phased community-scale solar and energy storage project referred to as: Foster Clean Power A (Phase I) and Foster Clean Power B (Phase II).

Phase I would involve the construction of a 3-megawatt alternating current (MWac), photovoltaic (PV) solar energy facility with associated inverters, fencing, and access road. The access road for Phase I would be approximately 15 feet wide and have a total length of approximately 164 feet, approximately 73 feet of which would be a new road that connects Foster Avenue to an existing agricultural road located on the south and east perimeters of the Project site. An equipment pad, approximately 50 feet by 100 feet in size, would be constructed as part of Phase I to house the Project's electrical equipment, including inverters, transformers, AC switchgear, and PV system disconnect. Phase I would also include a 1.25-MW battery energy storage system, which would be located on the equipment pad. The Project footprint (fence line boundary) for Phase I would be approximately 12 acres in size (refer to Figure A-6).

Phase II would involve the construction of an additional 4-MWac PV solar energy facility immediately north of the Phase I site with an additional 3.75-MW battery energy storage system. The Project footprint (fence line boundary) for Phase II would be approximately 18 acres in size (refer to Figure A-7). Phase II would utilize the same equipment pad area identified for Phase I.

The Project is located on one legal parcel that that is comprised of three tax parcels that are collectively 84.42 acres (APN 505-151-012-000 at 20.33 acres, APN 506-231-019-000 at 22.76 acres, and 506-231-022-000 at 41.33 acres) of which approximately 30 acres would be developed for the Project. The Project would deliver power to Pacific Gas and Electric Company's (PG&E) existing distribution network via a primary service interconnection located on Foster Avenue. Access to the site is provided by Foster Avenue/Jackson Ranch Road. Regional Access to the site is provided by Highway 101.

The proposed Project has been designed to avoid existing easements and structures and with applicable setbacks shown on Figure A-6 and Figure A-7. The solar facility would be positioned on the property within previously tilled areas used for crop production. The Project site is comprised of heavily disturbed agricultural fields. The adjacent properties include agricultural and rural residential land uses (refer to the drone imagery provided in Figure A-13 through Figure A-18). In addition, the County recently approved a cannabis cultivation project immediately northwest and west of the proposed Project on land owned by the same landowner. The approved cannabis cultivation project facilities have not been constructed.

2.1 Solar Facility

The Project includes the development of a PV solar power generation facility that would generate 3 MW (Phase I, 12 acres) and 4 MW (Phase II, 18 acres) of alternating current. Rows of solar panel arrays oriented north to south would be installed within the two development areas on a single-

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axis tracking system that would rotate from east to west throughout the day (approximately 50 degrees in each direction) (Figure A-11). The proposed solar arrays would have a maximum height of approximately 14 feet and a minimum ground clearance of 1 foot (Figure A-11). Each solar array row would be spaced approximately 10 to 12 feet apart. The tracking system would be installed on posts driven directly into the ground to a depth of approximately 6 feet (Figure A-11). If necessary due to soil conditions, the posts may be installed on small concrete foundations; however, such conditions are not anticipated. Power collection cables would be suspended from the tracking system in racks. Trenching to installed cables underground would be limited to areas where access must be maintained.

The specific dimensions and ground clearance requirements of the solar panels and tracking system would depend on the solar panel model that is selected at the time of construction. The final project design would be subject to review and approval by the Humboldt County Building Department.

2.2 Battery Storage and Electrical Equipment Facility

Phase I and Phase II of the Project would each include a 1.25-MW and 3.75-MW battery energy storage system, respectively, that would be consolidated with the Project's other electrical equipment on an approximate 50- by 100-foot equipment pad, including inverters, transformers, AC switchgear, and PV system disconnect. The battery units and other electrical equipment would be housed in containers secured to a concrete foundation (Figure A-6 and Figure A-7). An example of the anticipated battery unit is shown on Figure A-19. The battery units would be equipped with a liquid cooling system and a fire alarm system and would meet applicable state and federal electrical and fire code standards.

2.3 Distribution Interconnection

The Project would connect to PG&E's existing Arcata 1105 12-kilovolt distribution line that runs along Foster Avenue immediately south of the Project site and connects to the Arcata Substation located at the intersection of 6th Street and I Street, approximately 1.5 miles southeast of the Project. Facility attachments consisting of one or more poles may be installed between the Project's electrical equipment and the point of interconnection on the distribution system. The poles are expected to be either wood or light-duty steel and a similar height to existing distribution poles in the area (up to 75 feet). No distribution upgrades are anticipated; however, minor upgrades at or near the point of interconnection may be necessary.

2.4 Perimeter Fencing

The solar facility and associated electrical equipment would be encompassed by an approximately 6-foot-tall chain-link perimeter fence with three strands of barbed wire installed on top. Two separate areas would be fenced for Phases I and II. The fenced area for Phase I would be approximately 12 acres and the fenced area for Phase II would be approximately 18 acres. A diagram of the fencing profile is provided on Figure A-11.

2.5 Site Access

Access to the property and solar facilities would be achieved via an existing agricultural perimeter road and driveway that connects to Foster Avenue immediately northeast of Janes Road (approximately 832 feet). The driveway access entrance would be expanded to accommodate large delivery trucks and construction equipment. In addition, the existing agriculture road would be expanded if necessary to a minimum width of 15 feet. A new 15-foot-wide access road would be installed from the existing perimeter road to the proposed equipment pad location (approximately 264 feet). Access roads for the Project would not be paved.

2.6 Site Drainage and Stormwater Management

The Project would be designed to conform to existing topography and constructed in a manner that would minimize ground disturbance. Grading and the creation of impervious surfaces would be limited to the approximately 50-foot by 100-foot equipment pad (Figure A-6 and Figure A-7). The Project would maintain the existing site drainage patterns and would not result in a substantial increase in stormwater flow; therefore, an engineered site drainage system to collect or convey stormwater would not be required. Stormwater would continue to flow across the site in line with existing drainage patterns.

2.7 Night Lighting

Nighttime illumination is not expected from the proposed solar facility. Permanent lighting fixtures for the Project would be limited to those required by County, state, and federal building guidelines, and equipment requirements, or that may be necessary for security purposes. Any lighting fixtures that may be needed would be installed in a downward facing direction and shielded if necessary. No aviation safety lighting or other markings to meet Federal Aviation Administration requirements are anticipated because the Project site does not exceed 200 feet in height.

2.8 Construction

Construction Equipment and Workforce

Equipment that would be used during construction of the solar facility would include an excavator, pile driving machine, bobcat machine, forklift, pick-up trucks, line trucks, bucket trucks, flat-bed trucks, and other similar equipment. Up to approximately 20 workers would on-site during peak construction activities. Given the limited number of workers only a few pieces of equipment would operate and any given time. PG&E would facilitate the Project interconnection process where the Project would deliver power to the existing distribution network.

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Grading and Excavation

The Project has been designed to conform with the existing topography and would be constructed in a manner that would minimize ground disturbance. Minimal site grading would occur at a few select areas where ongoing access and power collection facilities would be located. In addition, the Project would incorporate methods to minimize ground disturbance associated with installing cables, such as attaching cables to the tracking system instead of digging trenches. Where necessary, to stabilize the ground surface and establish a safe work surface, loose, unstable soils would be compacted and flattened at the start of construction.

Vegetation and Tree Removal

The proposed Project would occur within areas that have been primarily used for row crop production and are free of natural vegetation and trees; however, trees are located adjacent to the proposed Project and access road connection point along Foster Avenue (Figure A-13 through Figure A-18). The removal of a small number of trees is anticipated where the Project would interconnect into the existing distribution network on Foster Avenue (Figure A-20) as well as where an existing road would be expanded to establish the driveway that would connect to Foster Avenue (Figure A-13). Tree trimming may also be necessary along access routes and in the immediate area of Project facilities. Tree removal would be limited to the minimum necessary to maintain the vegetative buffer along Foster Avenue. Any necessary permits would be obtained from the County prior to tree removal, although the need for such permits is not anticipated.

Construction Access and Traffic

Access during construction would be provided via Foster Avenue. Vehicle and truck traffic associated with the construction of the Project would be dispersed over an approximately 4-month period. It is anticipated that the construction workforce would typically range between approximately 10 and 20 workers for the majority of the construction phase. During peak construction activities, it is conservatively estimated that up to 50 construction workers may be on-site and no more than 50 daily truck trips to transport material and equipment would occur. The estimated number of vehicle and truck trips per workday would typically range from approximately 10 to 20 trips per day, with brief periods of up to approximately 50 trips per day. At no point would the Project exceed 100 trips per day.

Construction Schedule

Construction of the Project would begin with the southern development area (Foster A, Phase I). The northern development area (Foster B, Phase II) would be constructed after Phase I is operational for approximately 2 years or more.

Construction would take approximately 4 months to complete in each development area. Construction in each area would begin following completion of the land use permit process and obtaining all other applicable permits and authorizations (i.e., Building Permit). Construction

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activities would typically occur Monday through Friday, 8:00 a.m. to 5:00 p.m., or otherwise authorized by the County.

2.9 Operation and Maintenance

Operational Workforce and Hours of Operation

The proposed solar facility would operate 24 hours a day, 7 days a week, and year-round, with the exception of down time for scheduled maintenance. The facility would be unmanned and managed remotely with security surveillance. Regular staff presence during the operational period would not be required. Staff would be on-site periodically to inspect and maintain Project facilities and maintain vegetation. It is anticipated that approximately two staff members would visit the Project approximately four times per year for regularly scheduled inspections and maintenance. In case of damages or non-functional equipment requiring replacement or repair, an appropriate number of staff would be on site and necessary deliveries would be made to address the issues. The site is expected to have deliveries for equipment replacement once every 10 years with the exception of unexpected events.

Operational Water Use

The regular use of water is not anticipated for operation of the Project. It is anticipated that the PV panels would be dry cleaned approximately once a year using a dry-cleaning process. Under rare circumstances a minimal amount of water may be used to wash the solar panels. In the rare event that water is used to wash the panels, up to approximately 20,000 gallons could be needed per annual cleaning cycle and the water would be obtained from the permitted well on site. Any water runoff from washing activities would be captured on-site by percolating through the soils underlying the panels. Any water washing that may occur would not generate runoff.

Implementation of the Pollinator Habitat Program (refer to Section 2.11 below) is not anticipated to require the regular use of water and would be designed to minimize the use of water; however, the periodic use of water may be necessary to establish vegetation or to water it during extreme drought conditions in order to meet the Project's commitments to maintain vegetation within the site and continue agricultural activities. In the best-case scenario, if there is no major drought, the project would not require any water annually, but in the worst-case scenario (major drought period within the first few years of planting), the project could use up to approximately 814,500 gallons of water per year for the 30 acres. Nevertheless, the volume of water to maintain vegetation at the site will be significantly less than the amount used for historic agricultural activities.

2.10 Decommissioning

Both Phase I and Phase II would operate for approximately 35 years. At the end of the Project service life, the Project would be decommissioned. A Decommissioning Plan would be developed for the Project to ensure that the facility would be completely decommissioned and removed

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from the property utilizing industry standards and emergent best practices at the time of decommissioning. The Decommissioning Plan would ensure the Project site would be returned to its pre-Project condition and continue to function as land suitable for agricultural use.

The Decommissioning Plan would be submitted to the Humboldt County Planning and Building Director prior to the issuance of Building Permits. The Decommissioning Plan would include: removal of all above and below ground improvements; restoration of the surface grade, placement of topsoil over all removed structures, revegetation and erosion control as deemed necessary by the Director; a timeframe for improvement removal and site restoration; an engineer's cost estimate for all aspects of the removal and restoration plan; an agreement signed by the property owner and operator that they take full responsibility to implement the Decommissioning Plan; a plan to comply with all state and federal requirements for reuse, recycling and/or disposal of potentially hazardous waste.

Most of the components of the solar facility are recyclable, and the ability to recycle parts is expected to increase over time. There are also substantial salvage values associated with many of the components through recondition, resell, and recycling programs. The electrical components and wire contain large amounts of copper and aluminum, the electrical equipment may be refurbished and reused, and the PV modules may be reused on other systems if they are determined to have substantial output upon decommissioning.

2.11 Pollinator Habitat Program

The proposed Project includes a Pollinator Habitat Program with the purpose of continuing agricultural activities at the site throughout the Project's operational period, maintaining the existing topsoil and seedbank, enhancing the biological diversity of the subject properties, and providing some benefits to neighboring agricultural production and crop yields by increasing pollinator activities.

Following construction, vegetation would be planted at the Project site to provide pollinator habitat within the unoccupied areas of the solar facility that do not need to be maintained free of vegetation for safety and access purposes. The total Project footprint is approximately 30 acres and approximately 80 percent (24 acres) would be maintained with pollinator vegetation for the life of the Project. Planting and maintaining vegetation within the site would have other environmental benefits by minimizing the area of exposed ground surface and reducing the potential for dust management and stormwater runoff.

A Pollinator Habitat Program Implementation Plan would be developed in coordination with Humboldt County and CDFW prior to obtaining a Building Permit. The plan would address the following:

- A site plan or map identifying areas where pollinator vegetation would be planted and where vegetation clearance is necessary for safety and access requirements.

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- Appropriate native vegetation species that would be selected and planted to produce the desired pollinator activities. The seed mix and vegetation species would be selected by a qualified specialist and input from the County and CDFW would be incorporated. Species that require the minimum amount of water use and maintenance would be considered in addition to other goals.
- Responsibilities and necessary qualifications for those responsible for preparing and overseeing implementing the plan (i.e., botanist, landscape architect, or similar).
- Planting and maintenance procedures, including detailed on any supplemental watering that may be needed to establish the vegetation.
- Schedules for planting and maintenance for the life of the Project.
- Procedures to provide annual updates summarizing O&M activities, as well as measures taken to ensure the success of the pollinator habitat that would be provided to the County.
- Adaptive management procedures to make any necessary changes to the program when appropriate and in coordination with the County.
- Organic vegetation maintenance activities and restrictions on the use of herbicides and insecticides.

2.12 Impact Minimizing Design Features and Practices

The following design features and practices would be incorporated into the Project to avoid and minimize impacts on the environment:

- Avoid all environmentally sensitive areas with appropriate development setbacks.
- Select Project equipment and installation methods that would require minimal grading, excavation, and other forms of ground disturbance.
- Limit the creation of impervious ground surfaces to the electrical facility pad and other small areas where necessary.
- Maintain the Project site's existing topography and surface drainage patterns.
- Restore and stabilize all temporarily disturbed Project work areas following construction.
- Implement a Pollinator Habitat Program.
- Implement a Decommissioning Plan.

3.0 CEQA EVALUATION

3.1 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by the proposed Project and would involve at least one impact that is determined to be a “Potentially Significant Impact.”

- | | | |
|--|--|--|
| <input type="checkbox"/> Aesthetics | <input checked="" type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources | <input type="checkbox"/> Energy |
| <input checked="" type="checkbox"/> Geology and Soils | <input type="checkbox"/> Greenhouse Gas Emissions | <input type="checkbox"/> Hazards and Hazardous Materials |
| <input type="checkbox"/> Hydrology and Water Quality | <input checked="" type="checkbox"/> Land Use and Planning | <input type="checkbox"/> Mineral Resources |
| <input type="checkbox"/> Noise | <input type="checkbox"/> Population and Housing | <input type="checkbox"/> Public Services |
| <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation | <input checked="" type="checkbox"/> Tribal Cultural Resources |
| <input type="checkbox"/> Utilities and Service Systems | <input type="checkbox"/> Wildfire | <input checked="" type="checkbox"/> Mandatory Findings of Significance |

3.2 Determination

On the basis of this initial evaluation (to be completed by the Lead Agency on the basis of this initial evaluation):

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier

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analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature _____ Date _____

Printed Name _____ Humboldt County Planning and Building Department
For _____

3.3 Earlier Analyses

Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, one or more effects have been adequately analyzed in an earlier EIR or negative declaration. Section 16063(c)(3)(D). In this case, the Humboldt County Planning & Building Department prepared an IS/MND for the Commercial Cannabis Outdoor Light-Deprivation and Mixed-Light Cultivation Project proposed by the Arcata Land Company, which is located on properties associated with and adjacent to the proposed solar Project (2020). In Resolution No. 21-76, the County Board of Supervisors ultimately approved the cannabis cultivation project for 5.7 acres of new mixed light cannabis cultivation with 30,000 square feet of propagation area with specific conditions of approval (COAs) (Humboldt County Board of Supervisors, 2021). COAs for the cannabis cultivation project that are applicable to the proposed solar Project site location are listed below, which include conditions from Attachment 1A, Section 1, of Resolution No. 21-76:

- COA 16. There shall be no development within the 20' wide PG&E easement shown on the Site and Utility Plan, Sheet C2.0 (Note 5.1) until it is approved by PG&E, or the easement has been extinguished.
- COA 17. If there needs to be any rearrangement of existing PG&E facilities on the property, the owner/applicant will bear the burden of that cost.
- COA 21. The applicant shall plant native tree species along the eastern boundaries of parcels 505-151-012 and 506-231-022 in order to establish a visual buffer between the project site and the neighborhoods to the east. The trees must be planted outside of the PG&E gas line easement that runs along said parcel boundaries. Native tree species selection is subject to the review and approval of the Planning and Building Department prior to planting.
- COA 27. The Applicant shall record a conservation and open space easement and/or organic farming easement over an area encompassing a 500-foot width from the eastern boundary of APN's 506-231-022 and 505-151-012.
- COA 28. The Applicant shall dedicate through an easement or fee ownership a strip of land running parallel to Foster Avenue along APN's 506-131-011, 505-151-005, 505-161-009 to the County of Humboldt and/or City of Arcata for the creation of a public trail for pedestrian and bicycle traffic. The strip of land shall be a minimum of 20 feet in width running the entire length of these APNs from the project site to Alliance Road.
- COA 29. The Applicant shall develop a solar power system to provide the entirety of the power needed to support all activities approved as part of this permit within 5 years of the date of approval.

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Potential PG&E easements described in COAs 16 and 17 have either been factored into the Project site plan and/or will be addressed prior to issuance of a County Building Permit. Applicable PG&E easements will be avoided or modified, and any potentially conflicting utility lines would be relocated, if necessary, or the Project site plan would be revised.

The solar Project would not conflict with COA 21 because a building setback would be required for solar development from the eastern property boundary that would provide sufficient room to plant a visual tree buffer.

The solar Project would comply with COA 27 with implementation of the proposed Pollinator Habitat Program and the continuation of agricultural activities (refer to the discussion below in Section II. Agriculture and Forestry Resources).

COA 28 identifies a public trail easement that would be crossed by the proposed access driveway where an existing access driveway exists but would be expanded. The Project would not conflict with the public trail easement or future development of a public trail. In addition, the final design and construction of the Project driveway would be subject to County review and approval during the building permit process.

COA 29 directly relates to the proposed solar development that is a condition of development for the approved cannabis cultivation project; however, the proposed solar Project has independent utility and would deliver power to the existing energy grid regardless of the cannabis cultivation project's development. The solar Project would generate approximately 7 MW of power which is significantly more energy than the cannabis cultivation facility would use, and thus the Project would meet both the County's energy goals as well as the cannabis cultivation project's solar energy condition of approval.

Prior information and analysis from the MND prepared for the cannabis cultivation project has been incorporated into this MND to the extent applicable. In addition, the mitigation measures from the MND prepared for the cannabis cultivation project have been incorporated into the framework of mitigation measures identified for the proposed solar Project.

3.4 Evaluation of Environmental Impacts

The following checklist is taken from the Environmental Checklist Form presented in Appendix G of the CEQA Guidelines. The checklist is used to describe the impacts of the proposed Project and identify project-specific mitigation measures, as appropriate. For this checklist, the following designations are used:

- **Potentially Significant Impact:** An impact that could be significant, and for which no mitigation has been identified. If any potentially significant impacts are identified, an EIR must be prepared.
- **Less Than Significant with Mitigation Incorporated:** An impact that requires mitigation to reduce the impact to a less-than-significant level.
- **Less-Than-Significant Impact:** Any impact that would not be considered significant under CEQA relative to existing standards.
- **No Impact:** The Project would not have any impact.

Pursuant to Section 15063 of the California Environmental Quality Act Guidelines, a brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved. A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards.

I. Aesthetics

Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 nonurbanized 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 checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic I(a) – No Impact. For purposes of determining significance under CEQA, a scenic vista is defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the general public. In addition, some scenic vistas are officially designated by public agencies, or informally designated by tourist guides. A substantial adverse effect to such a scenic vista is one that degrades the view from a designated view spot. No governmentally designated scenic vistas or specific scenic view spots have been identified within the vicinity of the Project. Further, the Project site is not accessible to the public and is surrounded by privately-owned lands. Therefore, the Project would have no impact on a scenic vista.

Topic I(b) – No Impact. According to the California Scenic Highway Mapping System, there are no designated state scenic highways in Humboldt County. The nearest eligible scenic highway (as listed in Sections 263.1 through 263.8 of the California Streets and Highways Code) is approximately 1 mile west of State Route 1 (SR-1), meaning it has scenic values but has not been officially designated as a State Scenic Highway (Caltrans, 2017). In addition, the Project does not involve removal or damage to scenic resources such as trees, rock outcroppings, or historic buildings. Therefore, the Project would result in no impacts to scenic resources within a state scenic highway.

Topic I(c) – Less Than Significant Impact. Visual character or quality refers to the visual attributes of the elements in a landscape and the relationships between those elements. The predominant land uses in the vicinity of the Project include mixed commercial, agricultural, and scattered rural residential uses. The Project site has a long history of heavy industrial and agricultural use. The site was in agriculture (hay or livestock) production until Simpson Lumber Company constructed an industrial mill site in the late 1940's or early 1950's. The site has been modified many times with the addition of warehouses and lumber storage racks. Between 1988 and 1993, the storage racks were removed. The fields have since been graded and are currently used for agriculture.

The surrounding vicinity of the Project site is sparsely populated with approximately 18 residences located within 1,000 feet of the Project. The closest offsite residences are located across Foster Ave approximately 150 feet from the site. Another residence on Janes Road is located approximately 300 feet from the Project. All other residences are located approximately 400 feet or greater from the Project. Public views of the Project site are generally limited to areas along Foster Ave and 27th Street. A large vegetative buffer of tall trees generally screens views of the Project site and little of the Project site is visible from the closest viewing areas (refer to the figures and drone images in Appendix A). Views of the site along 27th Street would be approximately 800 feet or greater from the proposed development and additional vegetative buffer along the roadway would screen views south toward the site.

The height of the solar panels would change throughout the day as they move to track the sun's position. Their maximum height position would be up to approximately 14 feet when the sun is closest to the eastern and western horizons. The relatively low profile of the solar panels would not be noticeable due to distance and partial or complete visual screening. A portion of the proposed solar panels and other supporting infrastructure may be visible to some viewers at nearby residences within 1,000 feet and travelers on adjacent roadways; however, the visibility of such structures would not substantially degrade the existing visual character or quality of public views of the site and its surroundings. Impacts would be less than significant.

Topic I(d) – Less Than Significant Impact. The Project would not add or create substantial new sources of light or glare. The solar PV panels function by absorbing radiation rather than reflecting radiation. Solar PV panels are constructed of dark-colored materials and covered with anti-reflective coatings to minimize optical reflection. Reflection from PV panels is typically comparable to, or less than, reflection from water surfaces and building windows. The potential for glare associated with reflection from the PV panels would be minimal during the day and the facility would not be lighted at night. No nighttime glare would occur as a result of the Project. Therefore, the Project would not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area and a less than significant impact would occur.

II. Agriculture and Forestry Resources

In determining whether 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 Department 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 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:

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic II(a) – Less Than Significant with Mitigation Incorporated. The Farmland Mapping and Monitoring Program has not been completed for Humboldt County, therefore there has been no designation of the Project site by the Department of Conservation as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (California Department of Conservation, 2022). Instead, the farmland classifications are based on modern soil surveys produced by the U.S. Natural Resources Conservation Service (NRCS). Humboldt County currently is conducting an NRCS countywide soil survey; however, the survey has not been completed. According to the County’s Web GIS Map, the proposed Project area is mapped as containing prime agricultural soil (Fe2) (Humboldt County Planning & Building Department, 2022).

The Project site is heavily disturbed from previous mill operations and is currently managed for agricultural production. Surface soils on the site have been imported or graded from other areas of the property over time. The site’s hydrology has been altered over time by drainage ditches constructed around the perimeter of the old industrial lumber rack and mills’ footprint. Vegetative species on the site primarily consist of non-native grass and forb species.

The Project has the potential to occupy up to approximately 30 acres of land designated as Prime Agriculture Soils within the Project site; however, grading would be limited to few select areas where ongoing access and power collection facilities would be located. The Project would not result in the permanent conversion of land to non-agricultural use because topsoil and the existing drainage patterns would be retained, and the Project would be decommissioned after a period of approximately 35 years. Construction of the Project would involve minimal ground disturbance and creation of impervious surfaces (approximately 5,000 square feet), and the posts for the solar panel tracking system would be driven into the ground without significant ground disturbance or alteration to the existing drainage patterns. The underlying land and soil conditions would not be permanently altered, and the Project site would be restored after decommissioning so it would be available for agriculture use as it is currently. In addition, a Pollinator Habitat Program would be implemented as part of the Project to ensure agricultural land uses would continue at the Project site throughout the operational period. A Pollinator Habitat Program Implementation Plan would be developed in coordination with the County and CDFW as described in Section 2.11. Vegetation would be planted and maintained within the solar facility site for the life of the Project, which would have some benefit to agricultural activities and crop yields in the Project vicinity.

In order to ensure consistency with General Plan Policy AG-P6, MM AG-1 would be required to develop and implement an Agricultural Management Plan for the Project. The Agricultural Management Plan would define the types of agricultural activities that must continue at the Project site and would be compatible with the proposed solar development, operation, and maintenance activities. This may include but not be limited to, grazing and the keeping of honeybees. The plan would be subject to County review and approval to ensure consistency with General Plan Policy AG-P6.

While the proposed solar facility would occupy agricultural land, the solar energy facility would be compatible with agricultural land uses and implementation of the Pollinator Habitat Program, Agricultural Management Plan, and Decommissioning Plan would ensure agricultural uses of the Project site would continue and agricultural land uses at the site would not be permanently changed. Impacts would be less than significant with mitigation incorporated.

MM AG-1: Agriculture Management Plan. To maintain consistency with General Plan Policy AG-P6, to prevent a net reduction in land base and agricultural production, the Project sponsor shall maintain continual operation of agricultural uses on the property. Such agricultural uses may include but are not limited to grazing and the keeping of honeybees. Prior to issuance of a certificate of occupancy for the Project, the applicant shall submit the Agricultural Management Plan to the County of Humboldt Planning Director, summarizing the types and duration of agricultural uses as well as operator information for the property. The Agriculture Management Plan shall be subject to review by the Planning Director to confirm the effectiveness of the agricultural operations.

Topic II(b) – No impact. The General Plan identifies solar facilities as a compatible use on lands designated as Agricultural Exclusive (AE). The Project site is also zoned as AE with the northern portion zoned as Heavy Industrial with a Qualified Combining Zone (MH-Q). Utilities and energy facilities, which includes solar energy facilities, are a compatible use in this designation (Humboldt County General Plan, Table 4-G.). The subject properties are not subject to a Williamson Act contract. The Project would also be subject to a county use permit, and the County's issuance of a use permit would ensure the Project does not conflict with zoning. Therefore, no impacts would occur.

Topic II(c-d) – No impact. The Project site is not identified as forest land (as defined in PRC section 12220[g]) or timberland (as defined by PRC section 4526) and is not zoned Timberland Production (as defined by Government Code section 51104[g]). According to the Humboldt County environmental resource maps, the area on which the solar panels would be installed contains no sensitive woodland or forested areas. Therefore, the Project would not result in the conversion of forest land and would not conflict with forest land, timberland, or Timberland Production zoning, and no impact would occur.

Topic II(e) – Less Than Significant with Mitigation Incorporated. The County (through its General Plan and Zoning Ordinance) allows for utility and energy facility land uses through application and approval of a Use Permit. The temporary nature of the Use Permit for a solar facility does not require the permanent conversion of agriculture lands, nor requires significant new infrastructure of development to service the Project site. As discussed for Topic II(a) above, the implementation of the Agriculture Management Plan and proposed Pollinator Habitat Program would ensure continued agriculture uses on the property and consistency with General Plan Policy AG-P6. Due to the type and duration of the proposed use of the site, continuation of agriculture activities, and implementation of the Pollinator Habitat Program, the Project would not create development impacts that would further lead to agriculture conversion of surrounding properties. Furthermore, the proposed Project does not propose to rezone or subdivide any

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agricultural lands. With implementation of MM AG-1, the Project would result in a less than significant impacts associated with farmland conversion.

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:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 checked="" type="checkbox"/>	<input 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"/>
e. Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic III(a-b) – Less Than Significant Impact. The Project is located in Humboldt County, which is in the North Coast Air Basin that includes all of Humboldt, Del Norte, Trinity, and Mendocino counties, as well as a portion of Sonoma County. The North Coast Unified Air Quality Management District (NCUAQMD) is one of three air districts responsible for overseeing compliance with State and Federal laws, regulations, and programs within the North Coast Air Basin. NCUAQMD includes Del Norte, Humboldt, and Trinity Counties. Ambient air quality standards have been established at both the State and federal level. The area is listed as "attainment" or "unclassified" for all the federal and state ambient air quality standards except for the state 24-hour particulate matter of 10 microns or less (PM10) standard in Humboldt County only. The District has not exceeded the federal annual standard for particulate matter in recent years (North Coast Unified Air Quality Management District (NCUAQMD), 2022).

Humboldt County is listed as "attainment" or "unclassified" for all federal and state ambient air quality standards except the state 24-hour standard for PM10, for which Humboldt County is designated "nonattainment." PM10 air emissions include chemical emissions and other inhalable particulate matter with an aerodynamic diameter of less than 10 microns. PM10 emissions include smoke from wood stoves, airborne salts, diesel exhaust, and other particulate matter

naturally generated by ocean surf. Primary sources of particulate matter include on-road vehicles (engine exhaust and dust from paved and unpaved roads), open burning of vegetation (both residential and commercial), residential wood stoves, and stationary industrial sources (factories). In 1995, the NCUAQMD conducted a study to identify the major contributors of PM10, which is summarized in the draft report entitled Particulate Matter PM10 Attainment Plan. According to the NCUAQMD website, this report should be used cautiously as it is not a document that is required in order for the NCUAQMD to come into attainment for the state standard. Cars and trucks and other vehicles are considered a source of particulate matter within the district. Fugitive emissions as a result of vehicular traffic on unpaved roadways are the largest source of particulate matter emissions within the district.

In determining whether a project has significant air quality impacts on the environment, planners typically apply their local air district's thresholds of significance to projects in the review process. However, the NCUAQMD has not formally adopted significance thresholds, but rather utilizes the Best Available Control Technology emission rates for stationary sources as defined and listed in the Air District's Rule 110 - New Source Review and Prevention of Significant Deterioration. The NCUAQMD does not currently have any thresholds for toxics but recommends the use of the latest version of the California Air Pollution Control Officers Association's "Health Risk Assessments for Proposed Land Use Project" to evaluate and reduce air pollution impacts from new development. The proposed Project does not meet the screening criteria for a land use project that would require a Health Risk Assessment.

Air quality impacts for the proposed Project are associated with typical construction-related activities. The Project would involve a short construction period (approximately 4 months each for Phase I and II) and utilizes a few vehicles and pieces of equipment at any given time. The Project would be constructed in a manner that would minimize ground disturbance and the potential for dust generation. Based on knowledge of emissions from similar projects (ACV Airport Microgrid Project and the Hatchery Road Solar Project), a calculation of estimated emissions is not necessary in order to conclude with certainty that the Project would have a less than significant impact on increases of any criteria pollutants and would not result in cumulatively considerable net increases of any criteria pollutants. The Project would be consistent with the NCUAQMD's PM10 Attainment Plan as the Project is located in an generally developed area, does not include the operation of woodstoves or hearths, and would not emit PM10 at levels that would exceed the NCUAQMD's threshold of 15 tons per year. This Project would not conflict with or obstruct implementation of the NCUAQMD's air quality objectives or standards or contribute in a substantive way to a non-attainment of air quality objectives in the Project area air basin.

The Project is subject to the NCUAQMD's Rule 104, Section D, for fugitive dust emissions. Pursuant to Rule 104, no person shall allow handling, transporting, or open storage of materials in such a manner which allows or may allow unnecessary amounts of particulate matter to become airborne. Further, reasonable precautions shall be taken to prevent particulate matter from becoming airborne, including:

- Covering open bodied trucks when used for transporting materials likely to give rise to airborne dust.
- The use of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
- The application of asphalt, oil, water or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which can give rise to airborne dusts.
- The prompt removal of earth or other track-out material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

The Project would not conflict with or obstruct implementation of an air quality plan or result in cumulatively considerable increases of criteria pollutants. Impacts would be less than significant.

Topic III(c-d) – Less Than Significant Impact. The Project site is located approximately 600 feet north of the Fuente Nueva Charter School & Mad River Montessori Preschool campus which are adjacent to Saint Mary Roman Catholic Church on Janes Road. The areas surrounding the Project site is sparsely populated with approximately 18 residences located within 1,000 feet of the Project site. The closest offsite residences are located across Foster Ave approximately 150 feet from the site. Another residence on Janes Road is located approximately 300 feet from the Project site. All other residences are located approximately 400 feet or greater from the Project.

Air emissions associated with the Project are limited to construction-related emissions, which are minor and of limited duration, and do not present a significant exposure concern. Emissions from construction-related vehicles and equipment would dissipate into the atmosphere before they could expose people working or residing in the area to substantial pollutants. Impacts would be less than significant.

Topic III(e) – Less Than Significant Impact. Construction of the Project may result in minor, temporary, nuisance odors associated with construction activities. These odors would not persist after Project construction. Impacts would be less than significant.

IV. Biological Resources

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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 US 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

Overview. SHN conducted a Biological Resources Assessment (BRA) in 2020 for the adjacent cannabis cultivation project. TransTerra conducted an additional BRA in 2022 to evaluate potential environmental effects of the proposed Project. Both BRAs consisted of literature reviews and field observations and studies to identify potential sensitive biological resources that

may occur within the Project area. The findings of the BRAs were consistent. A copy of the TransTerra BRA is provided in Appendix B and the key findings are provided in the following sections. CDFW reviewed the draft BRA and provided comments that have been incorporated into the final BRA and mitigation measures for biological resources.

Special-Status Plant Species

A total of 72 special-status plant species were determined to be regionally occurring based on the results of the literature review. Of the special-status plant species reported in the region, 66 plant species were determined to have a low or no potential to occur in the study area, and the remaining 6 species were determined to have a moderate or high potential to occur. Species with a moderate potential for occurrence within the study area are described below:

Harlequin lotus (*Hosackia gracilis*) is a perennial herb in the Fabaceae family. It is neither State nor federally listed but has a California Rare Plant Rank (CRPR) of 4.2 and a heritage rank of G4/S3. Its elevation range is reported from 0 to 700 meters above sea level. Within its range state-wide, its blooming period is reported as March through July. This species is reported from wetlands, roadsides, and a variety of habitats from coastal scrub to coniferous forests. Although suitable habitat may exist within the study area for this species, it was not detected.

Marsh pea (*Lathyrus palustris*) is a perennial herb in the Fabaceae family. It is neither State nor federally listed but has a CRPR of 2B.2 and a heritage rank of G5/S2. Its elevation range is reported from 2 to 140 meters above sea level. Within its range state-wide, its blooming period is reported as March through August. This species is reported from bogs, fens, lower montane coniferous forest, marsh, swamp, coastal prairie, and coastal scrub. Although suitable habitat may exist within the study area for this species, it was not detected.

Howell's montia (*Montia howellii*) is an annual herb in the Montiaceae family. It is neither State nor federally listed but has a CRPR of 2B.2 and a heritage rank of G3G4/S2. Its elevation range is reported from 0 to 835 meters above sea level. Within its range state-wide, its blooming period is reported as March through May. This species is reported from meadows and seeps, north coast coniferous forests, vernal pools, vernal mesic sites, and sometimes roadsides. Although suitable habitat may exist within the study area for this species, it was not detected. A thorough search of this species was conducted during the April 7, 2022 site visit by TransTerra.

Maple-leaved checkerbloom (*Sidalcea malachroides*) is a perennial herb in the Malvaceae family. It is neither State nor federally listed but has a CRPR of 4.2 and a heritage rank of G3/S3. Its elevation range is reported from 0 to 730 meters above sea level. Within its range state-wide, its blooming period is reported as March through August. This species is reported from woodlands, clearings near the coast, and often in disturbed areas. Although suitable habitat may exist within the study area for this species, it was not detected.

Siskiyou checkerbloom (*Sidalcea malviflora* ssp. *patula*) is a perennial herb in the Malvaceae family. It is neither State nor federally listed but has a CRPR of 1B.2 and a heritage rank of

G5T2/S2. Its elevation range is reported from 5 to 1,255 meters above sea level. Within its range state-wide, its blooming period is reported as May through August. This species is reported from coastal bluff scrub, coastal prairie, roadcuts and north coast coniferous forests. Although suitable habitat may exist within the study area for this species, it was not detected.

Coast checkerbloom (*Sidalcea oregana* ssp. *eximia*) is a perennial herb in the Malvaceae family. It is neither State nor federally listed but has a CRPR of 1B.2 and a heritage rank of G5T1/S1. Its elevation range is reported from 5 to 1,805 meters above sea level. Within its range state-wide, its blooming period is reported as June through August. This species is reported from meadows, seeps, low montane conifer forests, and in gravelly soil. Although suitable habitat may exist within the study area for this species, it was not detected.

Special-Status Animal Species

Based on a review of special-status animal species, 66 special-status animal species have been reported with the potential to occur in the region. Due to the minimal natural, undisturbed vegetation or water resources within the study area, many of the regionally occurring special-status species are not likely to utilize the Project due to lack of suitable habitat. Of the 66 special-status animal species potentially occurring in the region, 51 animal species are considered to have a no or low potential to occur at the Project site and 15 species have a moderate to high potential to occur. Species with a moderate or high potential for occurrence within the study area are described below. Field investigations particularly focused on determining presence or potential use of the study area by these species.

Amphibians

Northern red-legged frog (*Rana aurora*) is an amphibian in the Ranidae family. Reported habitats include Klamath and north coast flowing waters and riparian forests, usually near dense riparian cover. It is generally found near permanent water but is sometimes found far from water in damp woods and meadows during the non-breeding season (May to November). The species is not federally or state listed but is a CDFW Species of Special Concern. Suitable dispersal habitat for this species exists within and around the wetland identified in the study area and potential breeding habitat exists in the drainage along the western boundary of the study area, although it was not detected.

Birds

Cooper's hawk (*Accipiter cooperii*) occurs in woodlands, riparian forest, chiefly of open, interrupted, or marginal type. Nest sites are mainly in riparian growths of deciduous trees, such as in canyon bottoms on river floodplains, as well as live oaks. This species builds stick platform nests lined with bark in crotches of riparian deciduous trees and second-growth conifers near streams. The species is not federally or state listed but is on the CDFW Watchlist. Foraging habitat for this species exists in the study area and adjacent to the study area, although it was not detected.

Sharp-shinned hawk (*Accipiter striatus*) can be found in ponderosa pine, black oak, riparian deciduous, mixed conifer, Jeffrey pine habitats, and prefers riparian areas. North-facing slopes with plucking perches are critical requirements. Nests are usually within 275 feet of water. The species is not federally or state listed but is on the CDFW Watchlist. Foraging habitat for this species exists in the study area and adjacent to the study area, although the species was not detected.

Great egret (*Ardea alba*) is a colonial nester in large trees. Rookery sites are located near marshes, tidal flats, irrigated pastures, and margins of rivers and lakes. This species is most often found foraging around water, including wet fields and grassy meadows near water. The species is not federally or state listed but is classified as Sensitive by CDFW. Potential foraging habitat exists for this species within the study area during the wet season, although the species was not detected.

Great blue heron (*Ardea herodias*) is a colonial nester in tall trees, cliffsides, and sequestered spots on marshes. Rookery sites are located in close proximity to foraging areas such as marshes, lake margins, tidal flats, rivers and streams, wet meadows. This species is most often found foraging near or in water, or in grassy fields near water. The species is not federally, or state listed but is classified as Sensitive by CDFW. Potential foraging habitat exists for this species within the study area during the wet season, although the species was not detected.

Short-eared owl (*Asio flammeus*) lives in large, open areas with low vegetation including grasslands, savannah, marshes, and agricultural areas. They can be seen during the day and make their nests on the ground. The species is not federally, or state listed but is a CDFW Species of Special Concern. Suitable foraging and potential nesting habitat exist for this species within the study area, although the species was not detected.

Vaux's swift (*Chaetura vauxi*) typically nests in tree cavities and forages in the air over streams and standing water that support invertebrates. The species is not federally, or state listed but is a CDFW Species of Special Concern. Potential aerial foraging habitat exists within the study area for this species, although the species was not detected.

Northern harrier (*Circus cyaneus*) is most common in large undisturbed tracts of wetlands and grasslands with low, thick vegetation during the breeding season. In winter, they use a wider range of habitat types with low vegetation including sand dunes, deserts, pastures, and croplands. The species is not federally, or state listed but is a CDFW Species of Special Concern. Winter foraging habitat exists for this species within the study area, although the species was not detected.

Snowy egret (*Egretta thula*) nests in colonies in isolated areas, often near water. They forage in marshes and estuaries, grassy ponds, pools, and wet fields. The species is not federally, or state listed or ranked by CDFW. Potential foraging habitat exists for this species within the study area during the wet season, although the species was not detected.

White-tailed kite (*Elanus leucurus*) can be found in foothills, valleys, and river bottomlands and marshes. They typically use open grasslands for foraging and nest in densely topped trees. The species is not federally, or state listed but is a CDFW Fully Protected species. Potential foraging habitat exists for this species in the study area and nesting habitat adjacent to the study area, although the species was not detected.

Merlin (*Falco columbarius*) nests near forest openings near water and forages typically for smaller birds in the air in open areas. The species is not federally, or state listed but is a CDFW Watchlist species. Foraging habitat exists for this species within the study area, although the species was not detected.

American peregrine falcon (*Falco peregrinus anatum*) occupies wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, and human-made structures. Nest consists of a scrape or a depression or ledge in an open site. The species was delisted from the federal and state ESA but is a CDFW Fully Protected species. Potential foraging habitat exists within the study area for this species, although the species was not detected.

Bryant's savannah sparrow (*Passerculus sandwichensis alaudinus*) live in grasslands, meadows, and cultivated fields, as well as coastal scrub and estuaries. The species is not federally, or state listed but is a CDFW Species of Special Concern. Foraging and nesting habitat exists for this species within the study area, although the species was not detected.

Insects

Western bumble bee (*Bombus occidentalis*) is an insect in the Apidae family. This species was once common and widespread but has declined precipitously from central California to southern British Columbia, perhaps from disease. The species is not federally, or state listed but is a CDFW Sensitive species. There is suitable foraging and nesting habitat available for this species within the study area, although the species was not detected.

Obscure bumblebee (*Bombus caliginosus*) lives in along coastal areas of the western states in underground burrows or above ground in abandoned bird nests. The species is not federally, or state listed but is a CDFW Sensitive species. There is suitable foraging and nesting habitat available for this species within the study area, although the species was not detected.

Fish, Mammals, Mollusks, and Reptiles

None of the fish, mammals, mollusks, or reptile species identified during the literature review are considered to have a moderate or high potential to occur within the Project area due to the lack of suitable habitat available within the study area.

Sensitive Natural Vegetation Communities

Sensitive natural vegetation communities are habitats that are generally defined by vegetation type and geographical location and are increasingly restricted in abundance and distribution. Recognition of natural communities is an ecosystem-based approach to maintaining biodiversity in California. Holland-type natural communities are habitat for numerous special-status plant and

animal species. CDFW no longer updates their tracking of Holland-type natural communities and has since standardized alliance and association-level vegetation nomenclature for California to comply with the National Vegetation Classification System. High quality occurrences of natural communities with heritage ranks of 3 or lower are considered by CDFW to be significant resources and fall under the CEQA Guidelines for addressing impacts. No sensitive natural communities were found within the study area.

Aquatic Resources

The majority of study area was previously delineated for wetlands and other aquatic resources by SHN in 2020 for the approved cannabis cultivation project; however, portions of the study area where proposed solar development would occur were not included (SHN, 2020b). On July 27 and August 4, 2022, TransTerra conducted a delineation of wetlands and other aquatic resources with the remaining portions of the study area to obtain full site coverage. The complete TransTerra BRA report is provided in Appendix B (TransTerra, 2022a). Two seasonal wetlands were delineated in the Project study area (SW-1 and SW-2). No other wetlands, aquatic resources, or riparian habitat was observed in the study area.

Nesting Bird Habitat

There is limited nesting habitat for birds within the study area. Some species, such as western meadowlark (*Sturnella neglecta*), may nest in tall grasses. Multiple raptor pellets were observed under the tree line and along the access road on the northern boundary of the study area. These are likely the result of raptors foraging and roosting in the trees along that area. The planted tree line along the southern property boundary consisting of Eucalyptus (*Eucalyptus polyanthemos*) and Western red cedar (*Thuja plicata*) may provide nesting habitat. A large group of Canada geese (*Branta canadensis*) were observed foraging throughout the study area.

Wildlife Movement Corridors

Watercourses and their associated riparian zones are likely the primary wildlife movement corridors due to their complex structure, providing cover and hiding places from predators, and the extensive connectivity to other habitats the riparian zones typically provide. Additionally, wildlife may use existing roads and trails that provide corridors between patches of vegetation. There are no significant wildlife movement corridors within the parcel, although some animals, especially nocturnal mammals may use the existing and proposed roadways as movement corridors.

Designated Critical Habitat

The USFWS's Critical Habitat Portal was reviewed for habitat within or adjacent to the study area that may be designated as critical for species listed under the FESA. The closest designated critical habitat is for the Tidewater Goby (*Eucyclogobius newberryi*), which is located approximately 1 mile west of the study area at Mad River Slough.

Invasive Species

Non-native species are often introduced to an area, whether intentionally or unintentionally, by human activities and can have a detrimental effect on native species. The non-native species may be considered invasive if they have no natural predators or other controls in the environment that prevent them from spreading freely and out-competing native species, particularly sensitive species with particular habitat requirements that may change drastically due to the spread of the invasive species. Project activities within an area have the potential to introduce or exacerbate existing invasive species issues. Invasive species were documented within the study area during field investigations and recorded in Table A-5 of the BRA (Appendix B). The study area undergoes frequent disturbance related to the ongoing agricultural activities. Due to these activities and the existing establishment of invasive species populations, invasive species are expected to remain prevalent.

Topic IV(a) – Less Than Significant with Mitigation Incorporated. The Project site is heavily disturbed and actively managed for agricultural production. No special-status plants or animals were observed during site visits. Several special-status species have the potential to occur in the study area based on the available habitat. Further, the surrounding landscape may provide suitable habitat for animals that are able to move outside of the Project area. Based on the results of the BRA, potentially significant impacts on biological resources would be less than significant with implementation of MM BR-1 (nesting bird surveys), MM BR-2 (Northern red-legged frog surveys), and MM BR-3 (protection of aquatic resources) identified below.

MM BR-1: Preconstruction Nesting Bird Surveys. Construction-related vegetation removal should occur between September and February, which is outside the typical nesting bird season (February through September). If Project-related vegetation removal must occur during the breeding season, a preconstruction nesting bird survey shall be conducted by a qualified biologist no more than two weeks prior to Project activities. If active nests are found, a suitable no-disturbance buffer zone shall be established by a qualified biologist and determined based on species, nest location, line of sight from the Project area, type of planned construction activity, and potential for nest disturbance. Within the buffer zone, no construction shall take place until the chicks have fledged or the biologist determines that the nest is no longer active. In the event that any active nests are discovered, CDFW would be consulted and provided an opportunity to comment on the proposed avoidance buffer distances and protection measures proposed by the qualified biologist.

MM BR-2: Preconstruction Northern Red-Legged Frog Clearance Surveys. Project construction should occur between May and November, which is outside the breeding season for northern red-legged frog. If construction activities must occur during the breeding season (November to May), preconstruction surveys shall be conducted by a qualified biologist no more than two weeks prior to Project activities. If northern red-legged frogs are detected during the breeding season, CDFW will be consulted to determine either a suitable buffer distance or other protective measures.

MM BR-3: Protection of Aquatic Resources. The Project area does contain potential “waters of the United States”, including wetlands protected under the CWA and potential “waters of the state” under the jurisdiction of the RWQCB and CDFW; however, the Project would avoid such waters and a 50-foot setback would be implemented in accordance with the County’s Streamside Management Area Ordinance to ensure waters would not be indirectly impacted by any site disturbance related to development of the Project.

In the event that aquatic resources cannot be completely avoided due to unforeseen circumstances, the necessary permit authorizations would be obtained from USACE, CDFW, RWQCB, and/or the County. Appropriate protection measures would be implemented in coordination with the applicable jurisdictional agencies to ensure any such impacts are minor and adequately mitigated and permitted in accordance with all Federal, State, and Local regulations. Such protection measures may include, but are not limited to, the following:

- Avoiding any work within the water features during wet periods.
- Installing fencing and or flagging to avoid the features.
- Installing stabilization materials.
- Implementing best management practices to manage the potential for erosion, sedimentation, or inadvertent damage.

Topic IV(b) – No Impact. Sensitive natural communities are habitats that are generally defined by vegetation type and geographical location and are increasingly restricted in abundance and distribution. Recognition of natural communities is an ecosystem-based approach to maintaining biodiversity in California. High quality occurrences of natural communities with heritage ranks of three (3) or lower are considered by CDFW to be significant resources and fall under the CEQA guidelines for addressing impacts. No sensitive natural communities were identified within the Project area. Thus, the Project would have no impact on any sensitive natural community identified in local or regional plans, policies, or regulations.

Topic IV(c) – Less Than Significant with Mitigation Incorporated. SHN (2020) and TransTerra (2022a) conducted a delineation of wetlands and other aquatic resources within the Project area. Two seasonal wetlands were delineated in the Project area (SW-1 and SW-2). No other wetlands, aquatic resources, or riparian habitat was observed in the study area. The Project has been designed to avoid direct impacts to the wetlands. In addition, a 50-foot setback buffer has been implemented pursuant to the Humboldt County’s Streamside Management Area Ordinance. No Project features would be installed within the 50-foot wetland setback. Because direct impacts to the wetlands would be avoided, and the need for permits from the USACE, RWQCB, CDFW, and/or County are not anticipated; however, the potential for minor project refinements and the need for permits could arise due to unforeseen circumstances. MM BR-3 identified under Topic IV(a) would be implemented to ensure potential impacts on aquatic resources would be less than significant.

Topic IV(d) – Less Than Significant Impact. No significant wildlife movement corridors were identified within the Project area; however, the movement of wildlife within and around the Project area may occur as described in the BRA prepared by TransTerra. As a result, the Project would not interfere substantially with movement of native resident or migratory wildlife species or with established native resident or migratory wildlife corridors. Impacts would be less than significant impact.

Topic IV(e) – Less Than Significant Impact with Mitigation Incorporated. The Project does not conflict with local policies or ordinances protecting biological resources. As described under Topic IV(c), the Project has been designed to comply with the County’s Streamside Management Area Ordinance and MM BR-3 would be implemented to ensure compliance and any subsequent permits that may become necessary are obtained from the County. Impacts would be less than significant after mitigation.

The Project has the potential to require the removal of a few trees located along Foster Ave near where a driveway would be constructed, and the Project would interconnect to the existing PG&E transmission network (see Figure A-6 and Figure A-7). A photograph identifying trees that may be removed along Foster Ave is shown on Figure A-20. Final tree removal details would be determined during final design and subject to review by the County prior to issuance of the Building Permit. The Project would comply with all applicable tree protection ordinances and obtain any necessary permits prior to tree removal. Impacts would be less than significant.

Topic IV(f) – No Impact. The Project is located on private property. According to the U.S. Fish and Wildlife Service Environmental Conservation Online System, the Project site is not located within the boundaries of a Habitat Conservation Plan. Habitat conservation plans in Humboldt County primarily apply to forest lands and include: (1) Green Diamond Resource Company California Timberlands & Northern Spotted Owl (formerly Simpson Timber Company); (2) Humboldt Redwood Company (formerly Pacific Lumber, Headwaters); and (3) Regli Estates. According to the CDFW’s website, the Project site is also not located in the boundaries of a Natural Community Conservation Plan. Existing Natural Community Conservation Plans for Humboldt County include the Green Diamond and Humboldt Redwoods Company (previously Pacific Lumber Company) Habitat Conservation Plans. Therefore, the Project would not conflict with any other local policies or ordinances protecting biological resources or conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved plan applicable to the Project area, and no impact would occur.

V. Cultural Resources

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic IV(a-c) – Less Than Significant Impact with Mitigation Incorporated. In 2018, Archaeological Research and Supply Company prepared a Cultural Resources Investigation Report for the Arcata Land Company Property as part of the approved Cannabis Cultivation Project MND (updated June 2020). The Area of Potential Effect (APE) considered in that report overlaps the proposed Project site. The investigation included a records search through the California Historical Resources Information System's regional Northwest Center (NWIC), Native American Heritage Commission (NAHC) inquiry, coordination with local tribes, and pedestrian survey of the Site. In addition, representatives of the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria, and the Wiyot Tribe conducted a field visit with Archaeological Research and Supply Company in May 2018. In July 2022, Archaeological Research and Supply Company conducted a supplemental archaeological pedestrian survey of the proposed Project's APE and prepared an amendment to their 2018 report to support the cultural findings and analysis of the proposed Project. Additional information regarding tribal consultation is provided in Section 1.9.

No prehistoric resources were identified within the Project area, but one 1920-50s era historic trash scatter was identified. The cultural resources study, as amended for the Project, concludes that the Project would not impact significant historic or prehistoric archaeological resources so long as (1) the historic site boundary is avoided through implementation of a 25-foot buffer where potentially damaging equipment should be excluded, and (2) archaeological monitoring occurs during any excavation within 100 feet of the site boundary. The Project has been designed to avoid solar development within 25 feet of the site boundary. MM CR-1 would be implemented to ensure archeological monitoring occurs within 100 feet of the site boundary. Impacts would be less than significant after mitigation.

MM CR-1: Archaeological Monitoring. Archaeological monitoring by a qualified archaeologist shall occur during all excavation (if any) within 100 feet of the 1920-50s era

historic resource identified in the Cultural Resources Investigation Report. If archaeological artifacts are encountered, work shall cease in the vicinity of the find and the Inadvertent Discovery Protocols described in MM CR-2 shall be implemented. Discovered materials shall be evaluated for significance and treatment in accordance with all State and Federal guidelines, and the procedures specified in MM CR-2.

The Project would include limited ground disturbance and areas of excavation; therefore, the potential for encountering buried archaeological resources would be low. Although unlikely, the Project still has some potential to encounter previously unidentified archaeological resources during excavation activities. To address the unlikely event that buried archaeological resource deposits are discovered during Project activities, (and consistent with §8304(d) of CDFA regulations) MM CR-2 would be implemented, which defines procedures that would be followed if suspected archaeological resources are discovered. Impacts on previously unidentified cultural resources would be less than significant after mitigation.

MM CR-2: Inadvertent Discovery Protocols for Archaeological Resources. If suspected archaeological resources, such as lithic materials or ground stone, historic debris, building foundations, or bone are discovered during Project activities, work shall be stopped within 100 feet of the discovery. Contact would be made to the County, a professional archaeologist and representatives from the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria, Wiyot Tribe, and any other tribe that may be identified by the NAHC as traditionally or culturally affiliated with the Project area. The professional archaeological resource consultant, Tribes, and County officials would coordinate provide an assessment of the find and determine the significance and recommend next steps.

If human remains are discovered during Project activities, work would stop at the discovery location, within 100 feet, and any nearby area reasonably suspected to overlie adjacent to human remains (Public Resources Code, Section 7050.5). The Humboldt County coroner would be contacted to determine if the cause of death must be investigated. If the coroner determines that the remains are of Native American origin, it is necessary to comply with state laws relating to the disposition of Native American burials, which fall within the jurisdiction of the NAHC (Public Resources Code, Section 5097). The coroner would contact the NAHC. The descendants or most likely descendants of the deceased would be contacted, and work would not resume until they have made a recommendation to the landowner or the person responsible for the excavation work for means of treatment and disposition, with appropriate dignity, of the human remains and any associated grave goods, as provided in Public Resources Code, Section 5097.98.

VI. Energy

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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"/>

Discussion

Topic VI(a-b) – Less Than Significant Impact. The Project as proposed is the construction and operation of a renewable solar facility. After construction, there would be no full-time employees required to operate the Project. Furthermore, as discussed in the Section III. Air Quality, Humboldt County is working on development of a Climate Action Plan. Energy would be consumed during the operational phase of the Project; however, once constructed, the facility would not require typical energy consuming infrastructure such as building heating and cooling, lighting, appliances, and electronics. The proposed facility of renewable energy solar panels is estimated to generate annual electric production of approximately 7 MW that would be delivered to PG&E’s existing electrical distribution system.

Compliance with the California Building Code and Best Management Practices would further reduce emissions and ensure no overall environmental impacts due to wasteful, inefficient, or unnecessary consumption of energy resources, during operation. Therefore, these impacts would be considered less than significant.

VII. Geology and Soils

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 Zoning 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.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii. Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Be located on a geologic 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
f. Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

Overview. The Project is located in the “Arcata Bottoms,” a broad alluvial plain at the northern end of Humboldt Bay. Published geologic maps of the region indicate that native materials at the site consist of Quaternary aged alluvium (Kelley, 1984). Alluvium on the Arcata Bottoms is described as unconsolidated coarse- to fine-grained sand and silt, with gravel in channel areas; the alluvium may locally interfinger with marine terrace deposits. At least some of the alluvium on the Arcata Bottoms is inferred to be Holocene in age and appears to reflect deposition by the Mad River following the most recent sea level low stand.

Three soil types are mapped on the parcel including the USDA classification of Arlynda (133), Jollygiant (127), and Dungan (210). Arlynda soils are mapped along and through the drainage that flows northeast to southwest from the lower-central portion of the field to the access road and are considered hydric soils. The drainage along the access road on the southwest border of the property determined by SHN to be a wetland is mapped as Jollygiant soils. Areas towards the southeast and northwest of the drainage are mapped as Dungan soils. Soil classification was not confirmed during this study. Soils are likely impacted by agricultural activities such as plowing and tilling.

The Project is not located within an Alquist-Priolo Earthquake Fault Zone. There are no active faults mapped within the Project area and it is not within an Earthquake Fault Zone as mapped by the California Geological Survey (California Department of Conservation, 2021).

All construction projects are subject to the seismic safety standards in the California Building Code. The County’s geologic hazards regulations are provided in Humboldt County Code, Title III (Land Use Development), Division 3 (Building Regulations), Chapter 6 (Geologic Hazards). Potential seismic hazards include surface fault rupture, liquefaction, and landsliding.

Topic VII(a.i-a.ii) – Less Than Significant Impact. While the Project is not located within an Alquist-Priolo fault hazard zone, earthquakes on active faults in the region have the capacity to produce a range of ground shaking intensities in the Project area (California Department of Conservation, 2021). Ground shaking may affect areas hundreds of miles distant from an earthquake’s epicenter. Some degree of ground motion resulting from seismic activity in the region could occur during the long-term operation of the Project; however, all new Project facilities would be required to meet the requirements of California Building Code, which addresses seismic requirements. The State of California provides minimum standards for building design through the California Building Code (CBC; California Code of Regulations Title 24). Where no other building codes apply, CBC Chapter 29 regulates excavation, foundations, and retaining

walls. The CBC applies to building design and construction in the State and is based on the federal Uniform Building Code (UBC), used widely throughout the country. The CBC has been modified for California conditions with numerous more detailed and/or more stringent regulations. Specific minimum seismic safety and structural design requirements are set forth in CBC Chapter 16. The Code identifies seismic factors that must be considered in structural design. Any structures proposed as part of the Project are required to be constructed in accordance with the California Building Code and comply with County building permit requirements. Therefore, any potential impacts associated with earthquake faults and strong seismic ground shaking would be less than significant.

Topic VII(a.iii) – Less Than Significant Impact. Liquefaction is a phenomenon whereby unconsolidated and/or near-saturated soils lose cohesion and are converted to a fluid state as a result of severe vibratory motion. The relatively rapid loss of soil shear strength during strong earthquake shaking results in temporary, fluid-like behavior of the soil. Soil liquefaction causes ground failure that can damage roads, pipelines, underground cables, and buildings with shallow foundations. According to the Humboldt County Web GIS system, the Project site is in an area subject to potential liquefaction. The County’s Building Regulations address potential soil stability hazards by requiring soils reports and site-specific engineering, as necessary, prior to issuance of building permits. In addition, the California Building Code provides soil classification guidelines for expansive soils. Proposed structures to be located on expansive soils, require special design considerations prior to permit. Based on conformance to County and state building requirements, the Project would not expose people or structures to potential substantial adverse effects related to seismic-related ground failure, including liquefaction, and a less than significant impact would occur.

Topic VII(a.iv) – No Impact. According to the Humboldt County Web GIS system, no historic landslides are designated in or near the Project area (Humboldt County Planning & Building Department, 2022). The Project parcels and immediately surrounding area are designated with a stability rating of 0 (relatively stable). Therefore, the Project would not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides. No impact would occur.

Topic VII(b) – Less Than Significant Impact. The Project would involve minimal ground disturbance and excavation that could result in erosion. Standard best management practices to manage erosion would be implemented if and where necessary. Topsoil would be retained, and the Project site would be revegetated after construction as part of the Pollinator Habitat Program (refer to Section 2.11). The potential for soil erosion impacts would be less than significant.

Topic VII(c) – Less Than Significant Impact. According to the Humboldt County Web GIS system, no historic landslides are designated in or near the Project area; however, the Project site is in an area of potential liquefaction (Humboldt County Planning & Building Department, 2022). The Project parcels and immediately surrounding area are designated with a stability rating of 0 (relatively stable). The Project Site is essentially flat, with little topographic variation. In addition, new structures would be required to comply with the County’s Building Regulations and

California Building Code which provide special considerations and requirements to ensure stability of soils. Therefore, the Project would not be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the Project, and a less than significant impact would occur.

Topic VII(d) – No Impact. Expansive soils possess a “shrink-swell” characteristic. Shrink/swell potential is the relative change in volume to be expected with changes in moisture content, that is, the extent to which the soil shrinks as it dries out or swells when it gets wet. No expansive soils have been identified on the Project site; therefore, no impact is expected.

Topic VII(e) – No Impact. The Project does not involve placement of septic tanks or alternative disposal systems.

Topic VII(f) – Less Than Significant Impact with Mitigation Incorporated. No unique paleontological or geologic features are known to exist on the Project Site. However, MM GEO-1 is included to address the unlikely event that buried paleontological resources are discovered during Project activities. Impacts would be less than significant after mitigation.

Mitigation Measure GEO-1: Inadvertent Discovery Protocol for Paleontological Resources. In the event that paleontological resources are discovered, work shall be stopped within 100 feet of the discovery and a qualified paleontologist shall be notified. The paleontologist shall document the discovery as needed, evaluate the potential resource, and assess the significance of the find under the criteria set forth in State CEQA Guidelines Section 15064.5. If fossilized materials are discovered during construction, excavations within 100 feet of the find shall be temporarily halted or diverted until the discovery is examined by a qualified paleontologist. The paleontologist shall notify the appropriate agency to determine procedures that would be followed before construction is allowed to resume at the location of the find.

VIII. Greenhouse Gas Emissions

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Overview. Section 15064.4 of the CEQA guidelines specifies how the significance of impacts from greenhouse gas (GHG) emissions is to be determined. The Lead Agency is to make a good faith effort to describe, calculate, or estimate the amount of GHG emissions that would result from a project. The Lead Agency is also to consider the following factors when accessing the impacts of the GHG emissions on the environment:

- Extent to which the project may increase or reduce GHG emissions, relative to the existing environmental setting
- Whether the project emissions exceed a threshold of significance that the Lead Agency determines applies to the project
- Extent to which the project complies with regulations adopted to implement a statewide, regional, or local plan for the reduction or mitigation of GHG emissions

Global climate change is a process whereby GHGs accumulating in the atmosphere contribute to an increase in the temperature of the earth’s atmosphere. The primary GHGs contributing to global climate change are carbon dioxide, methane, nitrous oxide, and fluorinated compounds. These gases allow visible and ultraviolet light from the sun to pass through the atmosphere but prevent heat from escaping back out into space. Among the potential consequences of global climate change are rising sea levels and adverse impacts to water supply, water quality, agriculture, forestry, and ecosystems. In addition, global climate change may increase electricity demand for cooling, decrease the availability of hydroelectric power, and affect regional air quality and public health.

In California, the largest emitter of GHGs is the transportation sector, followed by electricity generation. Carbon dioxide, methane, and nitrous oxide emissions are byproducts of fossil fuel combustion. GHG emissions are typically reported as carbon dioxide equivalents (CO2e) to account for the fact that different GHGs have different potentials to retain infrared radiation in the atmosphere and contribute to the greenhouse effect. The Project site is within the jurisdiction of the North Coast Unified Air Quality Management District (NCUAQMD) which has

not yet identified recommended GHG significance thresholds for the evaluation of development subject to CEQA review.

Topic VIII(a-b) – Less Than Significant Impact. Project construction activities could result in a small, temporary increase in GHG emissions, including exhaust emissions from on-road trucks, worker commute vehicles, and off-road heavy-duty equipment (assuming these vehicles and equipment would not otherwise be operating). The proposed Project is consistent with the Goals and Policies of the County’s General Plan contained in Chapter 12 of the Energy Element (i.e., Goal E-G3 and Policy E-P13) by providing a reliable source of locally based renewable energy. The energy generated by the Project would enhance and improve the resilience of the energy grid by providing approximately 7 MW of clean renewable energy per year in Humboldt County. This Project would further reduce the existing reliance on carbon-based fuels and lower GHG emissions, both of which are stated as broader community goals and objectives. Reducing GHG emissions is one of the primary goals of the Humboldt County Climate Action Plan.

The Project is a low-impact development that does not require municipal water or sewer service. The Project would not generate any traffic and once built, requires very little ongoing maintenance. Operation of the facility would generate minimal vehicle trips and a negligible increase in GHG emissions. The only potential emissions from the Project would result during the short construction period (approximately 4 months each for Phase I and II). Construction-related emissions resulting from the proposed Project are expected to be similar to two recent solar projects in Humboldt County, which include the ACV Airport Microgrid Project and the Hatchery Road Solar Project. Impacts associated with GHG construction-related emissions for these projects were determined to be less than significant. The proposed Project would result in similar construction emissions compared to these other two solar projects and would therefore also result in less than significant impacts during construction.

The proposed solar facility is a zero-emission electricity source, and the Project would result in a substantial net decrease in GHG emissions over time by serving as an alternative source for fossil-fuel based power. This Project directly aligns with federal, state, and local plans that aim to reduce GHG emissions through alternative power supplies. Based on the low construction emissions anticipated and the operational benefits of reducing GHG emissions, the Project would not have a significant impact through GHG generation, or conflict with an applicable plan, policy or regulation for GHG reduction.

IX. Hazards and Hazardous Materials

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic IX(a-b) – Less Than Significant Impact. Construction activities would involve the use of hazardous materials, such as fuels and lubricants. These materials are commonly used during construction, would be used in small quantities, and are not acutely hazardous. Numerous laws and regulations ensure the safe transportation, use, storage, and disposal of hazardous materials. For example, Caltrans and the California Highway Patrol regulate the transportation of hazardous materials and wastes, including container types and packaging requirements, as well as licensing and training for truck operators, chemical handlers, and hazardous waste haulers. The construction contract would include standard provisions for the safe handling of hazardous materials and spill prevention control and countermeasures.

Worker safety regulations cover hazards related to the prevention of exposure to hazardous materials and a release to the environment from hazardous materials use. The California Division of Occupational Safety and Health (Cal-OSHA) also enforces hazard communication program regulations, which contain worker safety training and hazard information requirements, such as procedures for identifying and labeling hazardous substances, communicating hazard information related to hazardous substances and their handling, and preparation of health and safety plans to protect workers and employees.

The hazardous materials associated with pad-mounted transformers are used in small quantities. Maintenance of on-site pad-mounted transformers is a standard practice with established protocols. Similarly, batteries would be enclosed in secured containers and maintenance of batteries would be performed according to manufacturer specifications depending on the model of batteries selected for the Project.

Topic IX(c) – Less Than Significant Impact. The Project site is located approximately 600 feet north of the Fuente Nueva Charter School and Mad River Montessori Preschool campus which is adjacent to Saint Mary Roman Catholic Church on Janes Road. In addition, the Coastal Grove Charter School is located approximately 0.25 mile south of the Project site. As stated in Section III. Air Quality and Section VIII. Greenhouse Gas Emissions, the Project would not emit significant emissions that may be hazardous and would result in a net reduction in GHG emissions over time. The Project would involve the construction and operation of a solar energy facility and would not result in other emissions or involve the handling of hazardous or hazardous or acutely hazardous materials, substances, or waste. Impacts would be less than significant.

Topic IX(d) – No Impact. The State’s Hazardous Waste and Substances Sites List (Cortese List, Government Code Section 65962.5) identifies sites with leaking underground fuel tanks, hazardous waste facilities subject to corrective actions, solid waste disposal facilities from which there is a known migration of hazardous waste, and other sites where environmental releases have occurred (California Environmental Protection Agency, 2022).

Review of information available on the State Water Resources Control Board (SWRCB) Geotracker and Department of Toxic Substances Control Envirostor (consistent with §8102(q) of

CDEA regulations) websites indicates that there are no open cases on the Project site involving impacted soil or groundwater from Leaking Underground Storage Tanks (LUSTs) or other sources (California State Water Resource Control Board, 2022; Department of Toxic Substances Control, 2022). There is an open case (Simpson Timber Company; T0602393409) identified at the former mill site on the adjacent properties north of the proposed Project site. The case summary on the SWRCB Geotracker website describes remediation of soil and water at the former mill site in 1997, with current case status identified as “Open – Verification Monitoring.”

A Phase I Environmental Site Assessment was completed for the approved Cannabis Cultivation Project Site in June 2015, which identified the aforementioned Simpson Timber Company known environmental condition, but did not identify any environmental issues warranting additional investigation. In addition, a Phase I Environmental Site Assessment was also completed for the proposed Project site in October 2022 (Ninyo & Moore) (provided in Appendix E). The results were consistent with the findings of the 2015 report; hazardous contamination of the Project site was not identified; and no further investigation was recommended. Accordingly, the Project is not located on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and would not create a significant hazard to the public or the environment, and no impact would occur.

Topic IX(e) – No Impact. The Project is not within two miles of a public airport. California Redwood Coast – Humboldt County Airport is approximately 5.5 miles to the north and Murray Field Airport is approximately 5.3 miles to the south. Therefore, the Project would not result in a safety hazard for people residing or working in the Project area. No impact would occur.

Topic IX(f) – No Impact. No physical change to the environment would occur as a result of the Project that would interfere with emergency response or evacuation. The Project would be required to meet Humboldt County Road and Street Standards for the proposed access and driveway and subject to review as part of County’s permitting process. Therefore, the Project would not obstruct emergency vehicle access, or conflict with an adopted emergency response plan or emergency evacuation plan. No impact would occur.

The Project site is accessed by existing encroachments/roads off of Foster Avenue and 27th Street. As such, the Project would not impair the implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan, and no impact would occur.

Topic IX(g) – Less Than Significant Impact. The Project is located in an area of low Fire Hazard Rating and within the Arcata Fire Protection District. The Project area, and surroundings, are comprised of developed agricultural and scattered rural residential with no significant vegetation or trees. The access roads would be maintained in a state such that they are free of vegetation during times of activity. Fuels and other potentially flammable chemicals may be used temporarily during construction and maintenance activities but would not be stored for long periods. The Project would involve the installation of electrical infrastructure as well as a battery storage facility as described in Section 2.2. Standard fire safety considerations for the energy infrastructure and the battery storage facility would be incorporated into the final Project design

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to meet current California Department of Forestry, California Building Code, and Humboldt County building requirements for fire safety. Implementation applicable fire safety standards would be subject to review and approval by the County during the building permit review process; therefore, impacts would be less than significant.

X. Hydrology and Water Quality

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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 type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" 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 offsite;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

Discussion

Overview. While Project grading would be limited to a few select areas, a grading plan would be developed during the design phase of the Project if more than one acre of grading becomes necessary. The grading plan would determine the extent of the disturbed soil area. If this area exceeds one acre, coverage under the SWRCB's General Permit for Discharges of Storm Water Associated with Construction Activity (Construction General Permit Order 2009-0009-DWQ, as amended) would be obtained. The Construction General Permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer. The SWPPP identifies appropriate erosion control measures and other Best Management Practices (BMPs). If this area is more than one acre, an Erosion and Sediment Control Plan would be developed in accordance with Humboldt County Code Section 331-14(h)(6)(D) (California State Water Resources Control Board, 2009).

In addition to construction-related stormwater management, the Project would need to comply with the Humboldt County Low Impact Development (LID) Stormwater Manual which addresses post-construction stormwater conditions (Humboldt County Code, Section 337-13). LID is a site development strategy that prevents chemical pollution of stormwater and maintains or reproduces the runoff characteristics that existed prior to development. Basic principles of LID include minimizing contact between pollutants and stormwater, retaining natural areas, minimizing new impervious surfaces, incorporating measures to promote storage and infiltration of stormwater, and treating runoff that leaves the site. LID is implemented largely through site design, site civil engineering, and landscaping. The specific compliance requirements for LID would be determined during the final design phase.

Topic X(a) – Less Than Significant Impact. Construction activities necessary to construct the Project would be conducted in accordance with either the SWRCB Construction General Permit or the County construction Stormwater Quality Management and Discharge Control Ordinance. Appropriate stormwater BMPs, including erosion, sediment, and non-stormwater controls would be implemented to protect water quality at all times throughout construction. Implementation of BMPs and erosion and sediment control measures would reduce potential water quality impacts during construction activities to a less-than-significant level. As a result, the potential impact on water quality during construction and operation would be less than significant.

Topic X(b) – Less Than Significant Impact. The Project will source water for irrigation of the proposed pollinator habitat and cleaning the solar panels (if needed) from a permitted well on site that yields approximately 400 gallons of water per minute. The well is located within the Mad River Lowland Subbasin. The subbasin is not subject to the Sustainable Groundwater Management Act (SGMA) and the basin prioritization is very low (<https://groundwaterexchange.org/basin/mad-river-valley-lowland>). According to California Department of Water Resources California's Groundwater Bulletin 118 (California Department of Water Resources, 2020)), the subbasin has no known groundwater management plans, groundwater ordinances, or basin adjudications. Storage for the subbasin is estimated at 25,000 acre-feet. Estimates of groundwater extraction are based on a survey conducted by the California

Department of Water Resources in 1996. The survey included land use and sources of water. Estimates of groundwater extraction for agricultural and municipal/industrial uses are 6,300 and 35 acre-feet respectively. Deep percolation from applied water is estimated to be 1,400 acre-feet. Groundwater recharge occurs from percolation from the Mad River and small tributary creeks in the foothills to the east of Arcata and deep percolation to floodplain deposits from precipitation and applied water. The Hookton Formation is likely recharged by rainfall in the upland recharge areas east of Arcata (DWR 1973). Some water also moves laterally into the alluvium from adjacent formations and some moves upward from leakage due to differences in pressure between the alluvium and underlying formations.

The well has been historically used for agriculture on the property. The historic use is estimated at up to 60 acre-feet (19,551,060 gal) per year. The well is currently permitted to supply up to 36 acre-feet (11,730,636 gal) of water per year to the Arcata Land Company, LLC cannabis cultivation project on APN 506-231-021. The rare use of the well for irrigating the proposed pollinator habitat during drought conditions (814,500-gal max annually) and the rare use of water for cleaning the proposed solar panels (20,000-gal max annually) would result in a 7% increase of water currently permitted to be sourced from the well. As a result, combined annual water withdrawal from the well would be less than 65% of what was historically withdrawn (up to 60-acre feet annually). The proposed project will result in a decrease in the amount of historic annual water use and would therefore lessen the impact on the groundwater table over the environmental baseline. Additionally, the Project would be designed to maintain on-site infiltration of stormwater, which benefits groundwater recharge.

Topic X(c.i-c.iv) – Less Than Significant Impact. Maintaining existing drainage patterns would be one of the design goals for the grading plan. New impervious surfaces would be minimal and site soils are expected to have sufficient infiltration capacity to avoid any off-site flooding. The Project would be required to comply with provisions of the LID Stormwater Manual to ensure no off-site siltation or erosion. Foundation requirements for the Project are minimal and do not require grading or significant cut or fill. The 50- by 100-foot equipment pad is the only anticipated foundation and impervious surface that would be created. Steel piles installed to support the solar arrays would be driven into the ground and the need for cement foundations is not anticipated. In rare circumstances, small cement foundations to support the steel piles may be necessary on a limited basis due to soil conditions. The steel piles and any foundations would not require significant ground disturbance or create substantial impervious surfaces. These factors support the conclusion that the Project would not cause substantial erosion, sedimentation, or flooding by altering existing drainage patterns, and would not contribute to an exceedance of stormwater drainage systems, nor provide substantial additional sources of polluted runoff. Impacts would be less than significant.

Topic X(d) – No Impact. The Project is not located near a large body of water capable of producing a seiche and is not located in a tsunami inundation area. In addition, according to an October 30, 1997, Letter of Map Amendment from the Federal Emergency Management Agency (FEMA), the Project site is not located in a Special Flood Hazard Area, that is the area that would be inundated by a flood having a one percent chance of being equaled or exceeded in any given year (See

Appendix D, FEMA Letter of Map Amendment). As a result, the Project would have no impact from release of pollutants due to inundation from seiche, tsunami, or floods.

Topic X(e) – No Impact. The Project would not result in substantial increased stormwater run-off and would not result in impacts to groundwater. As the Project would result in minimal grading or subsurface disturbance, there would be no other potential causes of substantial degradation of water quality. As discussed under Topic X(a) above, the Project would be required to comply with state and local construction permit standards. No impact would occur.

XI. Land Use and Planning

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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 land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic XI(a) – No Impact. The Project is situated on an unimproved grassland used for agricultural purposes and does not have the potential to divide an established community. Although there are nearby residences, the Project site is not adjacent to an urban growth area or within an existing community.

Topic XI(b) – Less Than Significant Impact with Mitigation Incorporated. The General Plan designation for the Project properties is Agricultural Exclusive (AE) (Figure A-4). The General Plan’s Land Use Element allows for utilities and energy facilities within the AE land use designation such as the proposed solar facilities (General Plan, Table 4-G). The zoning for the Project properties is a mix of Heavy Industrial/Qualified Combining Zone (MH/Q), Agriculture Exclusive (AE), and Agriculture General (AG) (Figure A-5). The Project is required to obtain a Conditional Use Permit for the construction of a solar facility within the AE and AG zones. The Project would not require permanent rezoning and would be designed to meet all of the County’s conditions of approval to ensure consistency with the County’s zoning ordinance and land use policies.

The Project is also consistent the goals and policies of the County’s General Plan contained in Chapter 12 of the Energy Element (i.e., Goal E-G3 and Policy E-P13) because it would provide a reliable source of locally based renewable energy. The energy generated by the Project would be available for local consumption via the Redwood Coast Energy Authority (RCEA), Humboldt County’s Community Choice Aggregator (CCA). The Project would generate approximately 7 MW of renewable energy in Humboldt County and reduce the local communities’ reliance on carbon-based fuels and lower GHG emissions, both of which are stated as broader community goals and objectives. Reducing GHG emissions is one of the primary goals of the Humboldt County Climate Action Plan. Furthermore, as discussed in Section II. Agriculture and Forestry Resources above, the Project can be considered consistent with General Plan Policy AG-P6: Agricultural Land Conversion - No Net Loss, if certain findings can be made including no feasible alternatives and an overriding public interest. These findings also require mitigation to prevent a net reduction in agricultural land base and agricultural production.

The Project is a low-impact development that does not require municipal water or sewer service. The Project would not generate any long-term traffic and once built, requires very little ongoing maintenance. The Project, while a solar facility, is a compatible use but is not agriculture and a loss of production would result as the land would not be suitable for a continuation of the same level of agricultural activities. While decommissioning and restoration of the site is proposed at the end of its useful life, the Project would occupy the site for up to 35 years. To mitigate for a net loss in agricultural land base and production suitable land or easements could be acquired as provided by General Plan Policy AG-P6. Alternatively, measures could be instituted (as is proposed by the Project) to ensure ongoing agricultural uses on the property. Such agricultural uses may include but are not limited to grazing and the keeping of honeybees. To ensure the ongoing agricultural operations are viable, MM AG-1 would require development and implementation of an Agricultural Management Plan which would be submitted to the Humboldt County Planning Department for review and approval prior to the issuance of a Building Permit. In addition, implementation of the Decommissioning Plan would ensure that restoration of the Project site occurs and there is no permanent loss or conversion of any agricultural lands.

Although the Project has been designed to result in no permanent “net loss” of agricultural land with implementation of the proposed Pollinator Habitat Program and Decommissioning Plan, the required Agricultural Management Plan per MM AG-1 would ensure agricultural activities continue. As a result, the Project’s impacts related to land use and zoning conflicts would be less than significant with this mitigation incorporated.

XII. Mineral Resources

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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"/>

Discussion

Topic XII(a-b) – No Impact. The Project Site is not classified as a Mineral Resource Zone (e.g., MRZ-2) by the State Geologist, and does not contain any known locally important mineral resources. Implementation of the Project would not result in the loss of availability of a known mineral resource, would not result in the loss of availability of a locally important mineral resource recovery site, and no impact would occur.

XIII. Noise

Would the project result in:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>

Discussion

Topic XIII(a) – Less Than Significant Impact. Ambient (background) noise levels at the Project site are affected by transient (short-term) noise events associated with existing land use activities in the vicinity. During construction, which is expected to last approximately 4 months, earth moving equipment would be utilized for clearing, grubbing, and grading where necessary, and a vibratory pile driver would be used to set the array piles. A truck mounted drill rig would be used to predrill holes for the array posts. A small rubber track mounted pile driving machine would be utilized to install the array posts. This equipment produces noise of approximately 100 decibels at a distance of 50 feet. Driving of the posts for the solar array is expected to take approximately 3 weeks to complete in total and would be conducted during weekdays and normal construction hours. Due to the predrilling of the post holes, the overall ambient noise level is expected to be lower than it would be if predrilling did not occur. As such, predrilling would enable a quicker and less disruptive installation period overall. The nearest sensitive receptor, a private residence, is located approximately 150 feet south of the proposed Project boundary. Construction-generated noise levels drop off at a rate of about 6 dBA per doubling of the distance between the source and receptor. At a distance 150 feet, the noise generated by the installation of array posts would attenuate and decibel levels are predicted to be approximately 90 decibels without any buffer or intervening objects; however, a thick vegetive buffer along Foster Avenue separates the closest receptors and the Project site which would act as a significant sound barrier and reduce sound levels that reach the residences by approximately 10 dBA. Noise levels of up to approximately 80

dBa may reach the closest residents along Foster Avenue for a few days while driving of the posts occurs along the southern boundary. During operation, the inverters and transformers at the equipment site would generate a low-level noise (less than 70 decibels at one meter).

Noises generated by the proposed Project would result in temporary noise increases, lasting only the duration of construction. Humboldt County does not currently have ordinances that address construction noise. The noise associated with facility operations is negligible and would not result in a substantial permanent increase in ambient noise above existing levels. The highest noise levels generated by the Project would result from the short-term use of heavy equipment and vibratory pile driving machinery during construction activities; however, increases in noise levels would be temporary and limited to daytime hours, and would not persist after the Project is constructed. Impacts would be less than significant.

Topic XIII(b) – Less Than Significant Impact. The operation of solar utilities is not typically associated with groundborne vibration, but construction may cause temporary noise and vibration. Construction activities would require the use of heavy equipment, drill rig truck, forklift, and pile driving to install the solar array posts. Some groundborne noise and vibration could occur during construction, primarily during driving of the steel support posts into the ground. Noise levels are a function of the distance between noise source and sensitive receptors and would also vary based on the type of pile driver, the depth of the pile, and soil conditions (Caltrans, 2013). Vibrations and noise would attenuate with increasing distance. Although rare, construction-induced vibrations have the potential to be structurally damaging to buildings located adjacent to the construction site. While the small rubber-track mounted machine designed specifically for this purpose is unlikely to generate substantial ground-borne vibration that might exceed standard vibration thresholds, it is possible this activity could cause a nuisance condition for nearby residences.

Ground-borne vibration is typically measured by using “peak particle velocity” (ppv). Caltrans (2013) cites a study by the American Association of State Highway and Transportation Officials (AASHTO) which identifies maximum vibration levels for preventing damage to structures from intermittent construction or maintenance activities. The maximum vibration levels are 0.2-0.3 in/sec ppv for residential buildings with plastered walls, and 0.4-0.5 in/sec ppv for residential buildings in good repair with gypsum board walls. Furthermore, the construction process would be relatively short-term compared to the lifetime of the solar installation. Sources of vibration would not exist during Project operations, and no impact is expected.

At a distance of approximately 150 feet, the closest residences could experience some level of groundborne vibration or noise for brief periods when the piles are installed along the southern boundary of the Project site. Such impacts would not exceed thresholds that could result in structure damage, but the activity could cause a temporary nuisance. Pile driving activities along the southern boundary of the Project site would be limited to a few days. Based on the above, the proposed Project would not cause excessive groundborne vibration or groundborne noise levels, and the impact is expected to be less than significant. The proposed Project would be

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required to be consistent with the Humboldt County General Plan Noise Element for construction activities and would be limited to applicable policies and standards for acceptable noise levels. Impacts would be less than significant.

Topic XIII(c) – No Impact. The Project is not situated within the jurisdiction of the Humboldt County Airports Land Use Compatibility Plan.

XIV. Population and Housing

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<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"/>

Discussion

Topic XIV(a-b) – No Impact. The Project would not directly induce population growth because it proposes no residential development. It would not indirectly induce population growth because it would not increase roadway capacity, nor would it extend public roads or other infrastructure into previously undeveloped areas. Further, the Project involves no displacement of existing housing or people, as neither occur on the Project site. Because the Project would not result in population growth in the area, does not involve the creation of, or necessity for, new housing, and would not displace existing housing or people, no impact related to population and housing would occur.

XV. Public Services

Would the project result in substantial adverse physical impacts associated with the provisions of 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:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e. Other Public Facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

Topic XV(a) – Less Than Significant Impact. The Project is located in an area of low Fire Hazard Rating and within the Arcata Fire Protection District. The Project area, and surroundings, are comprised of developed agricultural and scattered rural residential with no significant vegetation or trees. The access roads would be maintained in a state such that they are free of vegetation during times of activity. Small amounts of fuels and other potentially flammable chemicals that may be used would be stored appropriately. In addition, the Project would be subject to fire safety building standards as part of the Building Permit process. Based on the nature of the Project and its location, it is not anticipated that the Project would result in a significant increase in the number of calls-for-service related to fire. As such, the Project would not result in the need for new or physically altered fire protection facilities, and a less than significant impact would occur.

Topic XV(b) – No Impact. The Project would include standard security measures for solar energy facilities including a barbed wire fence and gate that would remain located. There are no security concerns associated with the proposed solar facility that would result in a need for additional law enforcement services.

Topic XV(c-e) – No Impact. Since the Project does not propose residential development and would not significantly increase the population in the Arcata area, the Project would not create

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a need for new schools, increase any school population, or increase the demand for public parks or other public facilities such as public health facilities and libraries. As a result, no impact would occur.

XVI. Recreation

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. 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. 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"/>

Discussion

Topic XVI(a-b) – No Impact. As previously described, the Project does not involve the creation of new housing and would not result in population growth in the area. Similarly, new recreational facilities are not proposed as part of the Project and the demand for such facilities would not increase with implementation of the Project. A 20-foot-wide public trail easement is located along the northern side of Foster Avenue within APNs 506-131-011, 505-151-005, 505-161-009, which is described in COA 28 for the approved cannabis cultivation project (refer to Section 3.3). The Project driveway would cross the trail easement but would not involve the construction or expansion of the trail. Therefore, because the Project would not result in any increase in the use of, or demand for, parks or recreation facilities, no impact related to recreation would occur.

XVII. Transportation

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Conflict with 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. 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 checked="" type="checkbox"/>	<input type="checkbox"/>
d. Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic XVII(a-b) – Less Than Significant Impact. The Project would not conflict with transportation regulations or result in substantial traffic increases. There would be a small increase in vehicle trips generated during construction activities (up to approximately 50 trips per day during peak construction periods), ending once the approximately 4-month construction period is complete for each Project phase. Periodic maintenance of the panels is expected to generate less trips per day than any typical land uses including single-family residences and/or agriculture uses. Infrequent inspection activities and as needed maintenance would not result in a substantial permanent increase in vehicle miles traveled (VMT) or conflict with CEQA Guidelines section 15064.3 (California Government Legislature, 2022). Impacts would be less than significant.

Topic XVII(c) – Less Than Significant Impact. The Project would involve the expansion of existing road that connects the Project site to Foster Avenue to establish a driveway and primary access point for all Project construction and operational activities. The driveway would connect Foster Avenue in a similar location and manner as the existing driveway, but the width would be expanded, and the surface would be stabilized to support heavy equipment and all-weather access. The final design and construction of the driveway would be subject to County review and approval during the permit process, which would ensure the Project driveway would not result in roadway or transportation hazards. Impacts would be less than significant.

Topic XVII(d) – Less Than Significant Impact. The Project could require brief lane closures and or/traffic control near the driveway entrance on Foster Avenue when large vehicles entered the site, such as when flatbed trucks deliver materials or when the driveway is constructed. Brief lane

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closures may also be required when establishing the overhead interconnection along Foster Avenue which would also occur near the Project driveway. Applicable County Encroachment Permits and Building Permits would be obtained prior to any lane closures, and appropriate traffic control procedures would be followed in accordance with County permit requirements to ensure public safety. The Project would not restrict access to emergency service providers, even during the brief lane closures and traffic controls that would be implemented. Impacts would be less than significant.

XVIII. Tribal Cultural Resources

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:

Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
--------------------------------	--	------------------------------	-----------

- | | | | | |
|---|--------------------------|-------------------------------------|--------------------------|--------------------------|
| <p>a. 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</p> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <p>b. 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.</p> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Discussion

Topic XVIII(a-b) – Less Than Significant Impact with Mitigation Incorporated. Tribal coordination and AB 52 consultation for the Project and the prior Cannabis Cultivation MND is described in Section 1.9. Native American tribes that are traditionally and culturally affiliated with the Project area have not identified tribal cultural resources within or in the immediate vicinity of the Project. In addition, no prehistoric archaeological resources that may be considered tribal cultural resources were encountered during archeological surveys conducted for the prior cannabis cultivation project or the proposed Project. Impacts on tribal cultural resources are not anticipated because none have been identified.

As described under Topic V(a-c), the Project would include limited ground disturbance and areas of excavation; therefore, the potential for encountering buried archaeological resources that may be considered tribal cultural resources would be low. Although unlikely, the Project still has some potential to encounter previously unidentified archaeological resources during excavation activities that could be considered tribal cultural resources by Native American Tribes. To address the unlikely event that buried archeological resource deposits are discovered during Project activities, MM CR-2 would be implemented which defines procedures that would be followed if

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suspected archaeological resources are discovered, including coordinating with Native American Tribes. Impacts on previously unidentified tribal cultural resources would be less than significant after mitigation.

XIX. Utilities and Service Systems

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a. Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunication 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 has 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 infrastructures, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic XIX(a-b) – No Impact. The Project would not result in generation of wastewater requiring treatment. Given that no wastewater would be generated by the proposed Project, the Project would not exceed wastewater treatment requirements of the Regional Water Quality Control Board and would not result in a significant impact on the environment relative to wastewater discharge. The need for stormwater facilities is not anticipated because the Project proposes minimal grading and impervious surfaces, and to retain the existing drainage pattern of the site; however, if any stormwater facilities are required by the County, they would be constructed to meet all County design requirements in order to obtain a building permit. The Project does not require municipal water.

Topic XIX(c) – No Impact. The Project would not result in new or increased wastewater from the site that would be sent to any wastewater facility. Portable toilets would be used during work activities at the Project site but no direct connections to the County’s wastewater or sanitation facilities are proposed.

Topic XIX(d-e) – Less Than Significant Impact. The Project would generate low to moderate levels of waste during construction and decommissioning activities, but such waste generation would occur over short periods and would not be sustained. The Project would generate very low amounts of sustained waste generation during operation and maintenance activities. During construction, construction debris and wastes would be collected and stored onsite and recycled and disposed of at an approved facility. During operations, waste would not be stored on site. When maintenance activities are required, any debris or waste generated would be taken offsite once maintenance is complete to be recycled or disposed of appropriately. During decommissioning, all Project facilities would be removed from the Project site and recycled or disposed of in an appropriate waste or recycling facility. The Project would follow all applicable waste management regulations, and would not result in conflicts with federal, state, or local waste management policies or programs. Impacts would be less than significant.

XX. Wildfire

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

Discussion

Topic XX(a) – No Impact. No physical change to the environment would occur as a result of the Project that would impair an adopted emergency response plan or emergency evacuation plan. The Project site is accessed by existing encroachments/roads off of Foster Avenue and 27th Street. As such, the Project would not impair the implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan. No impact would occur.

Topic XX(b-d) – Less Than Significant Impact. The Project is located within a Local Responsibility Area (Arcata Fire Protection District) and outside of mapped fire hazard severity zones (e.g., moderate, high, or very high). Since the Project is not within a State Responsibility Area or on lands with a very high hazard severity zone, the Project would not result in impacts associated with wildfire according the CEQA Appendix G significance criteria. Further, the Project area, and surroundings, are comprised of developed agricultural and scattered rural residential with no significant vegetation or trees. The access roads would be maintained in a state such that they are free of vegetation during times of activity. The Project would be constructed following standard fire safety requirements applicable to public and worker safety as well as solar energy production and battery storage. The Project would not exacerbate wildfire risks or associated

impacts based on the Appendix G significance criteria; however, the Project would involve the installation of electrical generation facilities, energy storage batteries, and overhead distribution interconnection lines. There is a low potential for such equipment to fail in a manner that results in the ignition of wildfires or for objects to come into contact with energized electrical lines and equipment; however, such incidents are known to occur. As discussed in Section IX. Hazards and Hazardous Materials, the Project would be designed to meet all federal, state, and local electrical code and safety standards which would ensure appropriate safety precautions are taken to prevent the potential for equipment failure and the Project resulting in a wildfire, including other potential post-fire impacts that may result from a wildfire. Impacts would be less than significant.

XXI. Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	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 checked="" type="checkbox"/>	<input 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 considerable 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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>

Discussion

Topic XX(a) – Less Than Significant Impact with Mitigation Incorporated. All potential impacts to the environment were evaluated as part of the analysis in this document, including potential impacts to habitat for fish or wildlife species, rare or endangered plants and animals, and cultural resources. Where impacts were determined to be potentially significant, mitigation measures have been imposed to reduce those impacts to less than significant levels. Accordingly, with incorporation of the mitigation measures imposed throughout this document, the Project would not substantially degrade the quality of the environment. Impacts would be less than significant after mitigation.

Topic XX(b) – Less Than Significant Impact with Mitigation Incorporated. The following is a list of currently proposed or recently approved projects within a 1-mile radius of the Project site, based on information provided by Humboldt County as well as information obtained from the City of Arcata’s planning website:

- **Arcata Land Company, LLC (County of Humboldt – approved):** 5.7 acres of new mixed light cannabis cultivation with 30,000 square feet of propagation area on a 38.8-acre parcel (2920 Foster Avenue/APN 506-231-021, 505-151-011, and 505-151-012). Water would be supplied by an existing well. A maximum of 80 employees are anticipated.
- **Ryan Simas (County of Humboldt – pending):** 10,000 square feet of new mixed-light commercial cannabis cultivation and 4,000 square feet of new indoor commercial cannabis cultivation on a 48.74-acre parcel (3203 Upper Bay Road/APN 507-161-006). Water source and employee count unknown at this time.
- **WE Investment Properties (County of Humboldt – pending):** New 130,680 square-foot indoor commercial cannabis operation and 30,000 square-foot commercial cannabis nursery on a 9.69-acre parcel (2730 Foster Avenue/APN 506-231-012). Water would be supplied by rainwater catchment and an existing well. A maximum of 61 employees are anticipated.
- **New Cingular Wireless PCS (County of Humboldt – approved):** New 120-foot tall, freestanding faux water tower, to be located on a concrete foundation and with ground-mounted equipment on a 12.35-acre parcel (2420 Foster Avenue/APN 505-151-006). The tower would be able to host up to four different wireless carriers with equipment mounted inside the water tank area.
- **PWM, Inc (County of Humboldt – approved):** New 130-foot-tall freestanding lattice tower, to be located on a concrete foundation and with ground-mounted equipment on a 26.99-acre parcel (2920 Foster Avenue/APN 506-231-020). The tower would be able to host up to four different wireless carriers.
- **Creek Side Mixed Occupancy Residential Annexation Project (City of Arcata – approved):** The project proposes to include a mix of occupancy and types of housing on land proposed to be annexed into the city. The project would also require a General Plan amendment and Land Use Code amendment to establish land use and zoning on the annexed property, a Minor Subdivision, and a Planned Development Permit. In addition, the project owner would enter a Development Agreement with the City to pay certain fees for traffic impacts, wastewater treatment impacts, and water storage impacts.
- **Arcata Gateway Area Plan (City of Arcata – pending):** The Gateway Area Plan encompasses a 106-acre area of land that was once used mostly for industrial purposes located within 1/10 of a mile of downtown Arcata. The Plan will establish streamlined permitting for projects in the urban core and strengthen policy, programs, and organizational capacity to protect working forests, agricultural lands, open space, and natural resource lands surrounding the City.
- **Strategic Infill Redevelopment Program (City of Arcata – pending):** The redevelopment plan aims to align the City’s policies with the needs of the community and available resources, so Arcata’s housing and economic development needs can be met in the future by prioritizing infill development. The program proposes to create a new vision statement for the City and a new set of strategic programs to implement over the next 20 years. Create a well-balanced housing infill development program that meets Arcata’s current and future housing needs. Ensure the continued preservation of working forestland to the

east and agricultural bottomlands to the west of the City by concentrating development in and around downtown Arcata.

- **General Plan Updates (City of Arcata – pending):** The plan will update and amend the City’s existing General Plan, including a new General Plan Element (the Gateway Area Plan) to encourage infill development in the Arcata Gateway Area, in accordance with State Bill (SB) 375 and California Government Code (CGC) Section 65302. Together these documents will be called the “Arcata General Plan 2045.” The Arcata General Plan 2045 will also update the goals, policies, and implementation programs that articulate the vision for the City’s long-term physical and economic development, while preserving open space areas and enhancing the quality of life for Arcata residents.
- **Open Door Community Health Clinic (City of Arcata – under construction):** The project proposes to construct a new consolidated health center (the “Arcata Community Health Center”) west of the intersection of Foster and Sunset Avenues. The facility would allow Open Door to provide services in a modern and efficient building, designed specifically for providing medical health services, and will also create the opportunity for re-use of two centrally located lots in the heart of Arcata.
- **Sorrel Place/Isackson’s Affordable Housing Project (City of Arcata – construction completed):** The project is an infill affordable housing complex located on a portion of the block contained by 6th and 7th Streets and I and J Streets, a large commercial lot near Arcata’s downtown area. The project subdivided the property in to two separate parcels. The previous commercial uses on Lot 1 will remain while Lot 2 was developed with a four-story building (approximately 45 feet) that contain 43 income restricted residential units and a manager’s unit. New utilities, sidewalks, driveway access, landscaping, playground, parking, and private and public open space areas are included on site.
- **30th St – Yurok Indian Housing Authority Housing Project (City of Arcata – construction completed):** The project includes 36 units of affordable housing in addition to several bike lanes, safe and accessible walkways, a one-mile active transportation multi-use trail and a pedestrian bridge that connects tribal members and Arcata residents to surrounding neighborhoods and amenities.
- **Local Coastal Program (City of Arcata – pending):** The Arcata Community Development Department is updating its 1989 Local Coastal Program. The Program regulates all development within the Coastal Zone which makes up about one-third of the City. The update includes potential changes to the downtown commercial district and some residential areas and considers issues such as agricultural resources, coastal access, industrial development, sea level rise and other coastal hazards, and wetlands and other environmentally sensitive areas.
- **Westwood Gardens Apartment Complex (City of Arcata – approved):** City of Arcata Planned Development Permit amendment to develop 102 new, one bedroom dwelling units about 416 square feet in size on a 4.5-acre project site known as the Westwood Garden Apartments. The site is currently developed with 60 dwelling units. The infill housing improvements include new or revised access, parking, laundry, solid waste, walkways, utilities, lighting, stormwater, and landscaping. Site development includes the removal of 21 trees: 10 trees greater than 16 inches in diameter (DBH); and 11 trees less

than 16 inches in DBH. Janes Creek/McDaniel Slough is in the southern portion of the parcel about 0.7 acres in size. No development except for riparian enhancement is proposed within the 100-year flood zone and Janes Creek riparian area. Exceptions to the amount of private recreation area and yard setbacks are requested.

The Project would not have impacts that are individually limited, but cumulatively considerable. Potentially significant impacts associated with the Project are discussed in applicable sections of the MND for agriculture, biological resources, cultural resources, paleontological resources, and land use planning. The Project's design features, and mitigation measures identified in the MND would eliminate or reduce all impacts to a less-than-significant levels, and there are no impacts that would be cumulatively considerable. Pursuant to CEQA case law, "When there is no substantial evidence of any individual potentially significant effect by a project under review, the lead agency may reasonably conclude the effects of the Project would not be cumulatively considerable." (*Leonoff v. Monterey County Bd. of Supervisors* [1990] 222 Cal.App.3d 1337, 1358; *Sierra Club v. West Side Irrigation Dist.* [2005] 128 Cal.App.4th 690, 701-702; *Hines v. California Coastal Comm'n* [2010] 186 Cal.App.4th 830, 858.). Therefore, impacts would be less than significant.

Topic XX(c) – No Impact. The Project's potential to result in environmental effects that could adversely affect human beings, either directly or indirectly, has been discussed throughout this document. There are no instances where the proposed Project has the potential to result in substantial direct or indirect adverse effects to human beings.

3.5 Conclusions

The results of the CEQA evaluation found that the Project would result in potentially significant adverse impacts for agriculture, biological resources, cultural resources, paleontological resources, and land use planning, and that all impacts would be avoided or reduced to less-than-significant levels with implementation of the Project's proposed design features and mitigation measures identified in the MND. A complete list of the mitigation measures is provided in Section 4.

4.0 MITIGATION MONITORING AND REPORTING PROGRAM

Mitigation measures were incorporated into conditions of Project approval. Table 4.1 below is a Mitigation Monitoring and Reporting Program (MMRP) that identifies Project mitigation measures by topic as well as monitoring and/or reporting requirements to ensure their implementation.

TABLE 4.1 MITIGATION MONITORING AND REPORTING PROGRAM

Environmental Factor	Mitigation Measure	Implementation Responsibility	Monitoring/Reporting Responsibility	Timing
Agriculture and Forestry Resources & Land Use and Planning	<p>MM AG-1: Agriculture Management Plan. To maintain consistency with General Plan Policy AG-P6, to prevent a net reduction in land base and agricultural production, the Project sponsor shall maintain continual operation of agricultural uses on the property. Such agricultural uses may include but are not limited to grazing and the keeping of honeybees. Prior to issuance of a certificate of occupancy for the Project, the applicant shall submit the Agriculture Management Plan to the County of Humboldt Planning Director, summarizing the types and duration of agricultural uses as well as operator information for the property. The Agriculture Management Plan shall be subject to review by the Planning Director to confirm the effectiveness of the agricultural operations.</p>	Project Sponsor/County of Humboldt	County of Humboldt	Prior to Construction
Biological Resources	<p>MM BR-1: Preconstruction Nesting Bird Surveys. Construction-related vegetation removal should occur between September and February, which is outside the typical nesting bird season (February through September). If Project-related vegetation removal must occur during the breeding season, a preconstruction nesting bird survey shall be conducted by a qualified biologist no more than two weeks prior to Project activities. If active nests are found, a suitable no-disturbance buffer zone shall be established by a qualified biologist and determined based on species, nest location, line of sight from the Project area, type of planned construction activity, and potential for nest disturbance. Within the buffer zone, no construction shall take place until the chicks have fledged or the biologist determines that the nest is no longer active. In the event that any active nests are discovered, CDFW would be consulted and provided an opportunity to comment on the proposed avoidance buffer distances and protection measures proposed by the qualified biologist.</p>	Project Sponsor	County of Humboldt	Prior to Construction

Mitigation Monitoring and Reporting Program

Environmental Factor	Mitigation Measure	Implementation Responsibility	Monitoring/Reporting Responsibility	Timing
Biological Resources	<p>MM BR-2: Preconstruction Northern Red-Legged Frog Clearance Surveys. Project construction should occur between May and November, which is outside the breeding season for northern red-legged frog. If construction activities must occur during the breeding season (November to May), preconstruction surveys shall be conducted by a qualified biologist no more than two weeks prior to Project activities. If northern red-legged frogs are detected during the breeding season, CDFW would be consulted to determine either a suitable buffer distance or other protective measures.</p>	Project Sponsor	County of Humboldt	Prior to Construction
Biological Resources	<p>MM BR-3: Protection of Aquatic Resources. The Project area does contain potential “waters of the United States”, including wetlands protected under the CWA and potential “waters of the state” under the jurisdiction of the RWQCB and CDFW; however, the Project would avoid such waters and a 50-foot setback would be implemented in accordance with the County’s Streamside Management Area Ordinance to ensure waters would not be indirectly impacted by any site disturbance related to development of the Project.</p> <p>In the event that aquatic resources cannot be completely avoided due to unforeseen circumstances, the necessary permit authorizations would be obtained from USACE, CDFW, RWQCB, and/or the County. Appropriate protection measures would be implemented in coordination with the applicable jurisdictional agencies to ensure any such impacts are minor and adequately mitigated and permitted in accordance with all Federal, State, and Local regulations. Such protection measures may include, but are not limited to, the following:</p> <ul style="list-style-type: none"> • Avoiding any work within the water features during 	Project Sponsor	County of Humboldt	Prior to Construction

Mitigation Monitoring and Reporting Program

Environmental Factor	Mitigation Measure	Implementation Responsibility	Monitoring/Reporting Responsibility	Timing
	wet periods. <ul style="list-style-type: none"> • Installing fencing and or flagging to avoid the features. • Installing stabilization materials. • Implementing best management practices to manage the potential for erosion, sedimentation, or inadvertent damage. 			
Cultural Resources	MM CR-1: Archaeological Monitoring. Archaeological monitoring by a qualified archaeologist shall occur during all excavation (if any) within 100 feet of the 1920-50s era historic resource identified in the Cultural Resources Investigation Report. If archaeological artifacts are encountered, work shall cease in the vicinity of the find and the Inadvertent Discovery Protocols described in MM CR-2 shall be implemented. Discovered materials shall be evaluated for significance and treatment in accordance with all State and Federal guidelines, and the procedures specified in MM CR-2.	Project Sponsor	County of Humboldt	During Construction
Cultural Resources & Tribal Cultural Resources	MM CR-2: Inadvertent Discovery Protocols for Archaeological Resources. If suspected archaeological resources, such as lithic materials or ground stone, historic debris, building foundations, or bone are discovered during Project activities, work shall be stopped within 100 feet of the discovery. Contact would be made to the County, a professional archaeologist and representatives from the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria, Wiyot Tribe, and any other tribe that may be identified by the NAHC as traditionally or culturally affiliated with the Project area. The professional archaeological resource consultant, Tribes, and County officials would coordinate provide an assessment of the find and determine the significance and recommend next steps.	Project Sponsor	County of Humboldt	During Construction

Mitigation Monitoring and Reporting Program

Environmental Factor	Mitigation Measure	Implementation Responsibility	Monitoring/ Reporting Responsibility	Timing
	<p>If human remains are discovered during Project activities, work would stop at the discovery location, within 100 feet, and any nearby area reasonably suspected to overlie adjacent to human remains (Public Resources Code, Section 7050.5). The Humboldt County coroner would be contacted to determine if the cause of death must be investigated. If the coroner determines that the remains are of Native American origin, it is necessary to comply with state laws relating to the disposition of Native American burials, which fall within the jurisdiction of the NAHC (Public Resources Code, Section 5097). The coroner would contact the NAHC. The descendants or most likely descendants of the deceased would be contacted, and work would not resume until they have made a recommendation to the landowner or the person responsible for the excavation work for means of treatment and disposition, with appropriate dignity, of the human remains and any associated grave goods, as provided in Public Resources Code, Section 5097.98.</p>			
<p>Geology and Soils</p>	<p>MM GEO-1: Inadvertent Discovery Protocol for Paleontological Resources. In the event that paleontological resources are discovered, work shall be stopped within 100 feet of the discovery and a qualified paleontologist shall be notified. The paleontologist shall document the discovery as needed, evaluate the potential resource, and assess the significance of the find under the criteria set forth in State CEQA Guidelines Section 15064.5. If fossilized materials are discovered during construction, excavations within 100 feet of the find shall be temporarily halted or diverted until the discovery is examined by a qualified paleontologist. The paleontologist shall notify the appropriate agency to determine procedures that would be followed before construction is allowed to resume at the location of the find.</p>	<p>Project Sponsor</p>	<p>County of Humboldt</p>	<p>During Construction</p>

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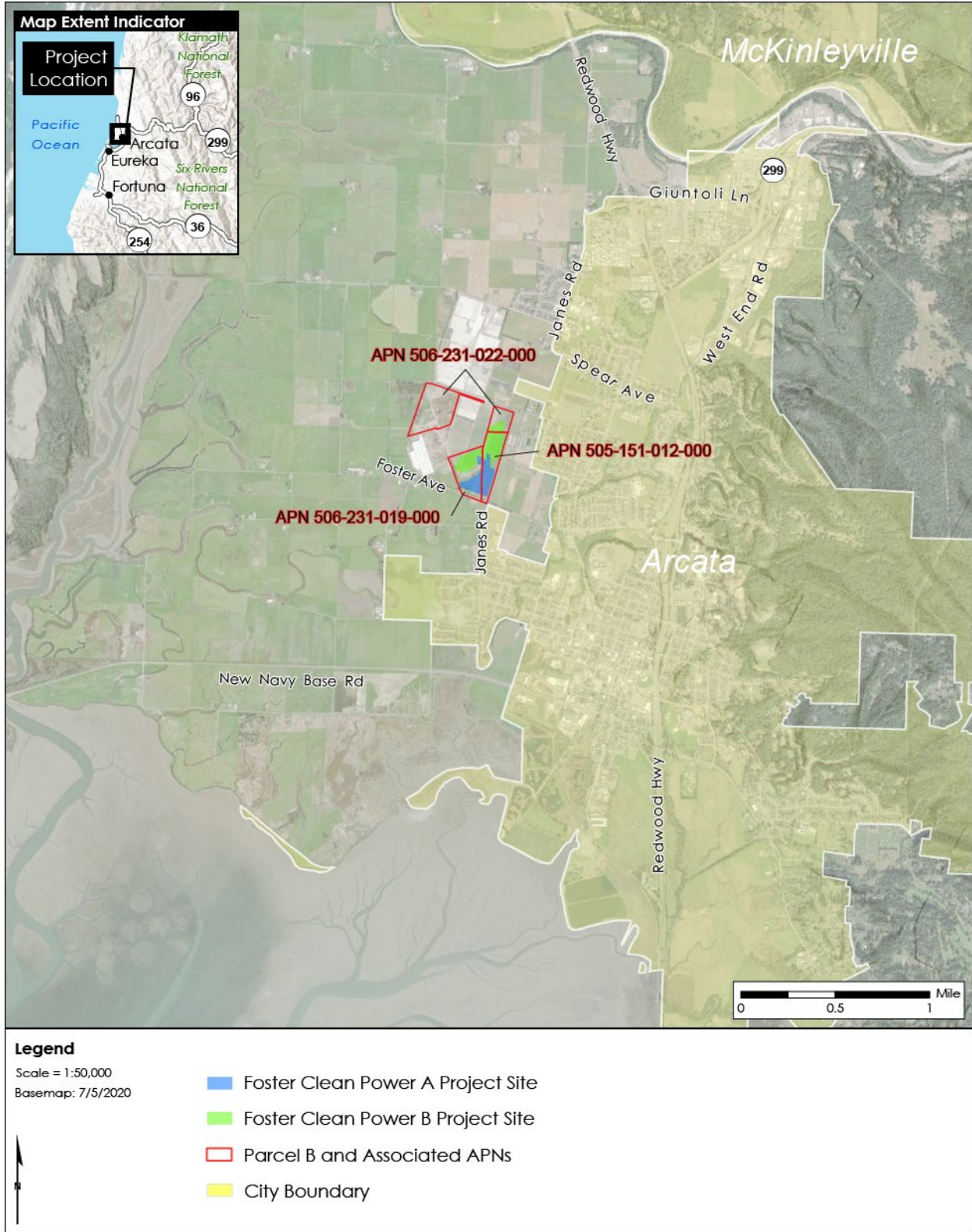
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Appendix A Figures

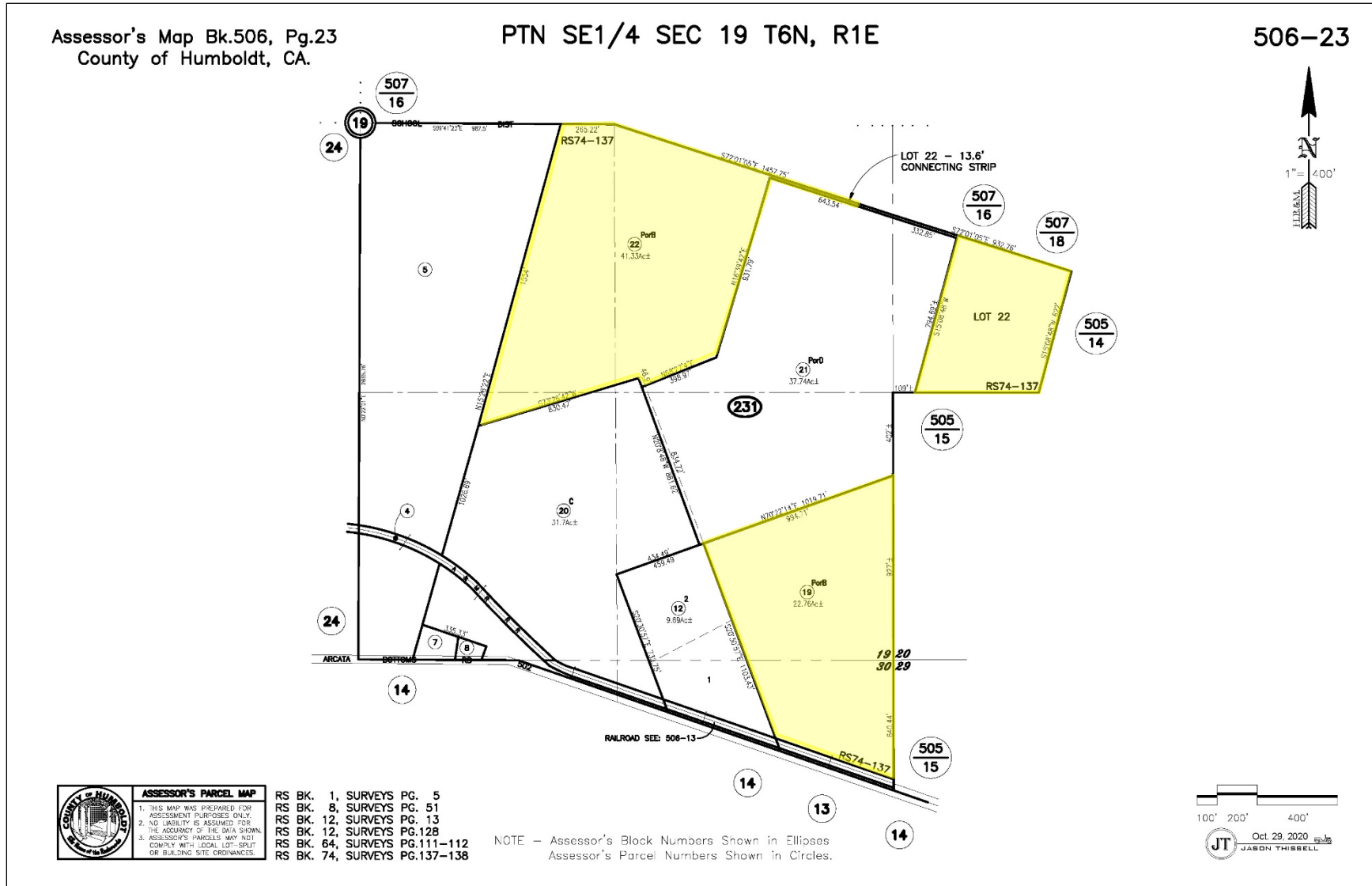
APPENDIX A

Figure A-1 Foster Clean Power Project Location



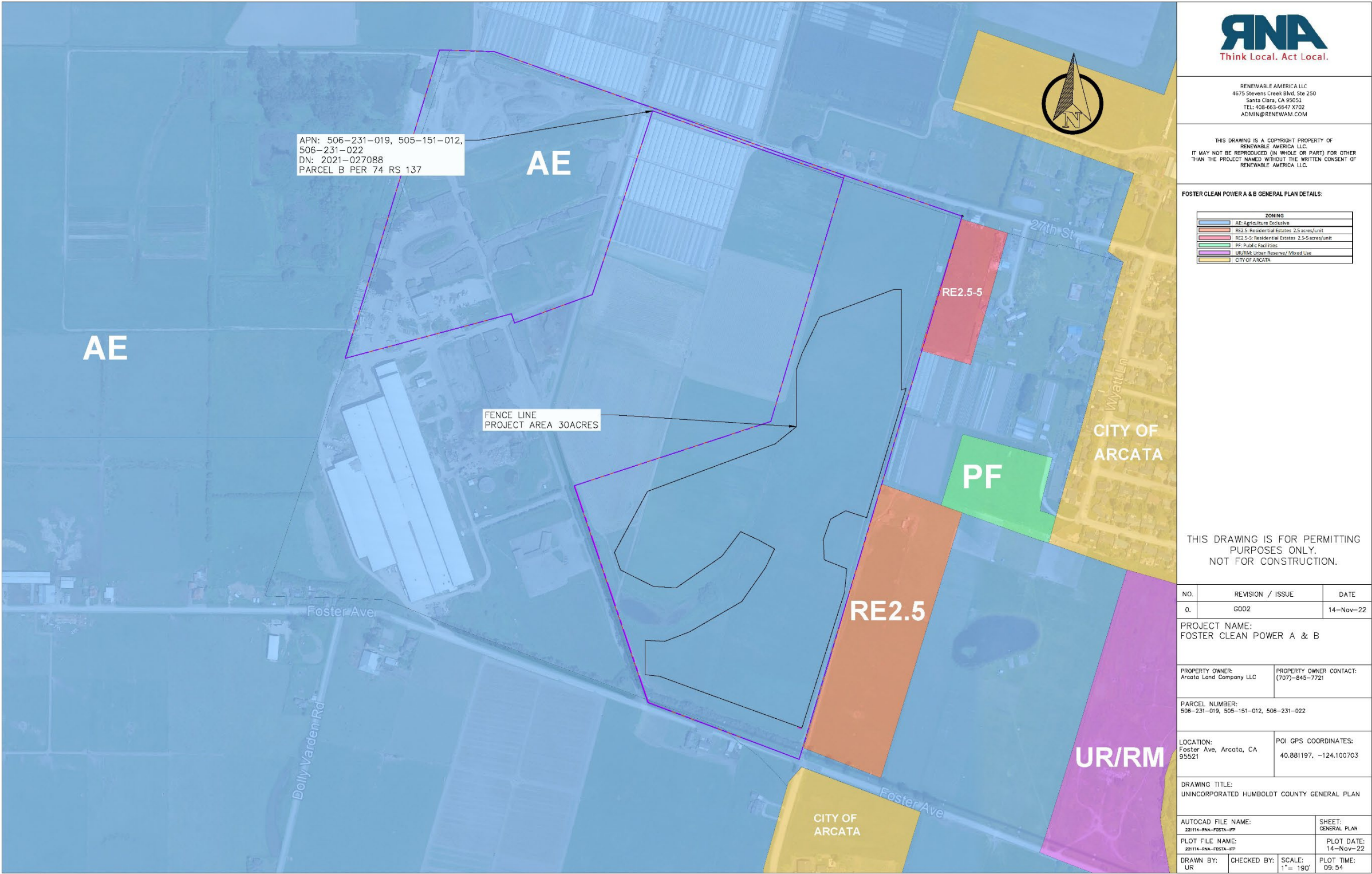
APPENDIX A

Figure A-3 Assessor's Parcel Map 506-23



APPENDIX A

Figure A-4 Humboldt County General Plan Land Use Designations



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FOSTER CLEAN POWER A & B GENERAL PLAN DETAILS:

ZONING	
[Blue Box]	AE: Agriculture Exclusive
[Red Box]	RE2.5: Residential Estates 2.5 acres/unit
[Orange Box]	RE2.5-5: Residential Estates 2.5-5 acres/unit
[Green Box]	PF: Public Facilities
[Purple Box]	UR/RM: Urban Reserve/Mixed Use
[Yellow Box]	CITY OF ARCATA

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NO.	REVISION / ISSUE	DATE
0.	G002	14-Nov-22

PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:
Arcata Land Company LLC

PROPERTY OWNER CONTACT:
(707)-845-7721

PARCEL NUMBER:
506-231-019, 505-151-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA 95521

POI GPS COORDINATES:
40.881197, -124.100703

DRAWING TITLE:
UNINCORPORATED HUMBOLDT COUNTY GENERAL PLAN

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APPENDIX A

Figure A-6 Foster Clean Power A Project Site Plan

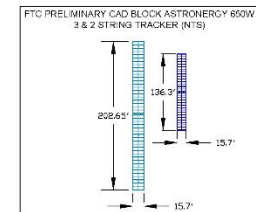


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FOSTER CLEAN POWER A PV SYSTEM SPECS:

MODULE SPECIFICATION	
MANUFACTURER	ADN HD
MAXIMUM POWER	1100W/MODULE
PV MODULE FRAME TYPE	MONO
SUPPLY VOLTAGE (V)	48.28
VOLTAJE - TYPE (V)	0.27
INVERTER SPECIFICATION	
MANUFACTURER	SOLINIX (LIP) HOMES
INVERTER MODEL	1500W
MAX DC INPUT POWER (KW)	3000
MAX DC INPUT CURRENT (A)	2700
NOMINAL VOLTAGE (VDC)	0.68
MAX INPUT CURRENT (A)	348
MIN VOLTAGE START UP (V)	375
MAX INPUT VOLTAGE (V)	1500
PV SYSTEM SPECIFICATION	
DC TO AC EFF. (EPR)	48.07
DC TO AC EFF. (EPR) (EPR)	5.06
AC SYSTEM EFFICIENCY (EPR)	88.94
DC TO AC EFFICIENCY (EPR)	1
DC TO AC EFFICIENCY (EPR)	11.3
DC TO AC EFFICIENCY (EPR)	25
DC TO AC EFFICIENCY (EPR)	40
DC TO AC EFFICIENCY (EPR)	50
BATTERY STORAGE SYSTEM SPECIFICATION	
MANUFACTURER	BYD
BATTERY MODEL	BYD BATTERIES
MAX DC INPUT CURRENT (A)	100
NOMINAL VOLTAGE (VDC)	108.4
BATTERY CAPACITY (KWH)	2000
DC TO AC EFFICIENCY (EPR)	42%
DC TO AC EFFICIENCY (EPR)	3000
TOTAL BATTERY CAPACITY (KWH)	2
TOTAL BATTERY CAPACITY (KWH)	1.75
TOTAL BATTERY CAPACITY (KWH)	8200



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PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:
Arcato Land Company LLC

PROPERTY OWNER CONTACT:
(707)-845-7721

PARCEL NUMBER:
506-231-019, 505-151-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA
95521

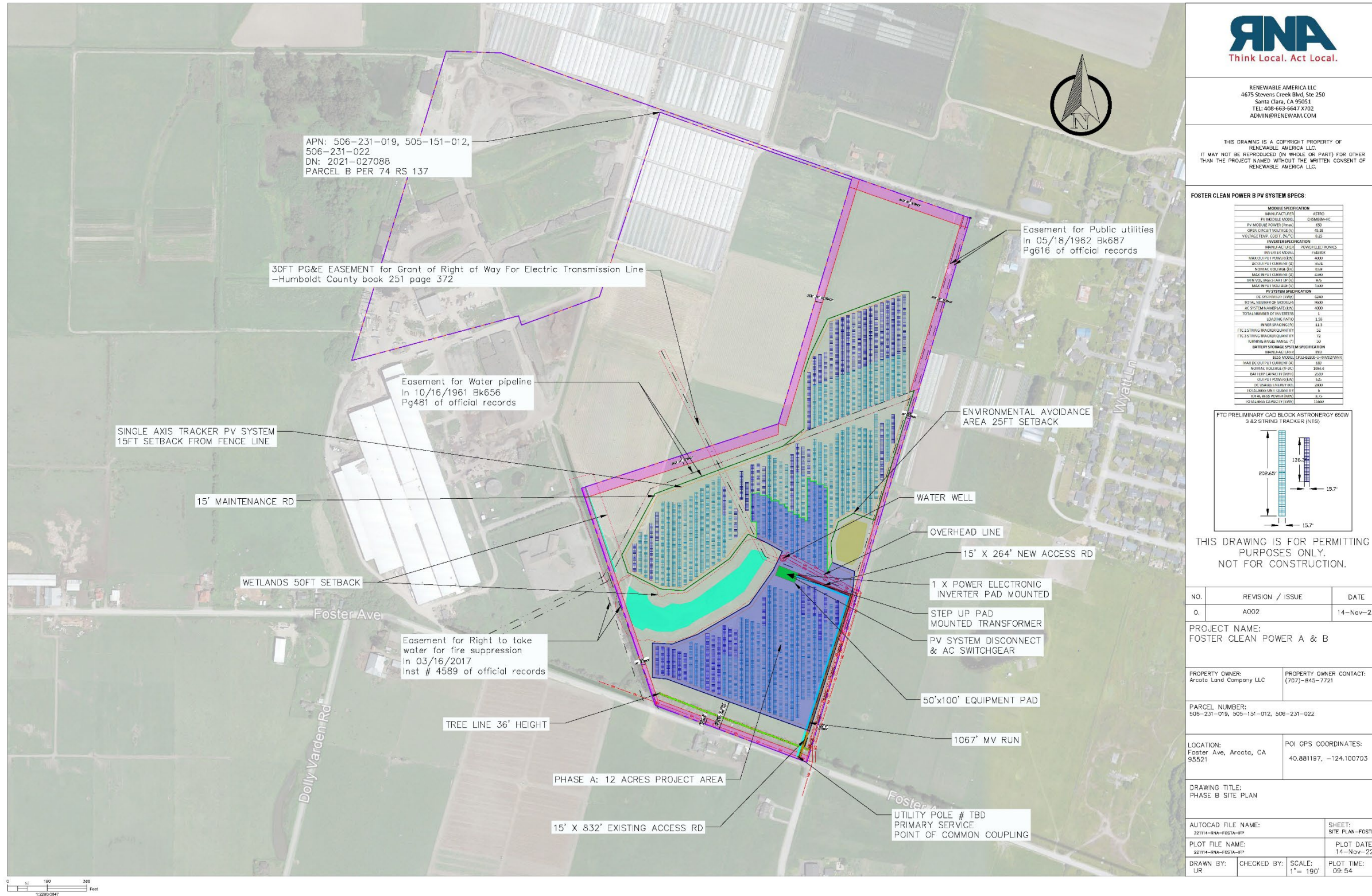
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DRAWING TITLE:
PHASE A SITE PLAN

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PLOT FILE NAME: 22114-RNA-FOSTA-RP	PLOT DATE: 14-Nov-22
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APPENDIX A

Figure A-7 Foster Clean Power B Project Site Plan

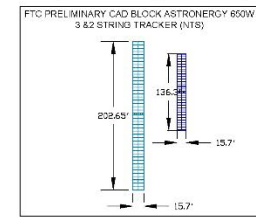


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FOSTER CLEAN POWER B PV SYSTEM SPECS:

MODULE SPECIFICATION	
MODULE TYPE	6700
PV MODULE MODEL	CHR60M-HC
PV MODULE POWER (Watt)	350
OPEN CIRCUIT VOLTAGE (V)	40.28
VOLTAJE TEMP. COEFF. (%/C)	-0.25
INVERTER SPECIFICATION	
INVERTER TYPE	POWER ELECTRONICS
MAX DC INPUT VOLTAGE (V)	1500
MAX DC INPUT CURRENT (A)	20
MAX AC OUTPUT VOLTAGE (V)	240
MAX AC OUTPUT CURRENT (A)	100
MAX AC OUTPUT POWER (W)	24000
PV SYSTEM SPECIFICATION	
TOTAL NUMBER OF MODULES	4200
TOTAL NUMBER OF INVERTERS	1000
AC SYSTEM VOLTAGE (V)	240
TOTAL NUMBER OF INVERTERS	1
STRINGING RATIO	3.06
NUMBER OF STRINGS	11.3
DC STRINGING RATIO QUANTITY	24
DC STRINGING RATIO QUANTITY	72
INVERTER VOLTAGE RANGE (V)	50
BATTERY STORAGE SYSTEM SPECIFICATION	
MAX BATTERY STORAGE CAPACITY (KWH)	0
MAX DC INPUT CURRENT (A)	100
MAXIMUM VOLTAGE (V)	240
MAX AC OUTPUT CURRENT (A)	100
MAX AC OUTPUT POWER (W)	24000
MAX DC INPUT VOLTAGE (V)	1500
MAX AC OUTPUT VOLTAGE (V)	240
MAX AC OUTPUT CURRENT (A)	100
TOTAL BATTERY STORAGE CAPACITY (KWH)	0
TOTAL BATTERY STORAGE CAPACITY (KWH)	0



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PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:
Arcata Land Company LLC

PROPERTY OWNER CONTACT:
(707)-845-7721

PARCEL NUMBER:
506-231-019, 505-131-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA 95521

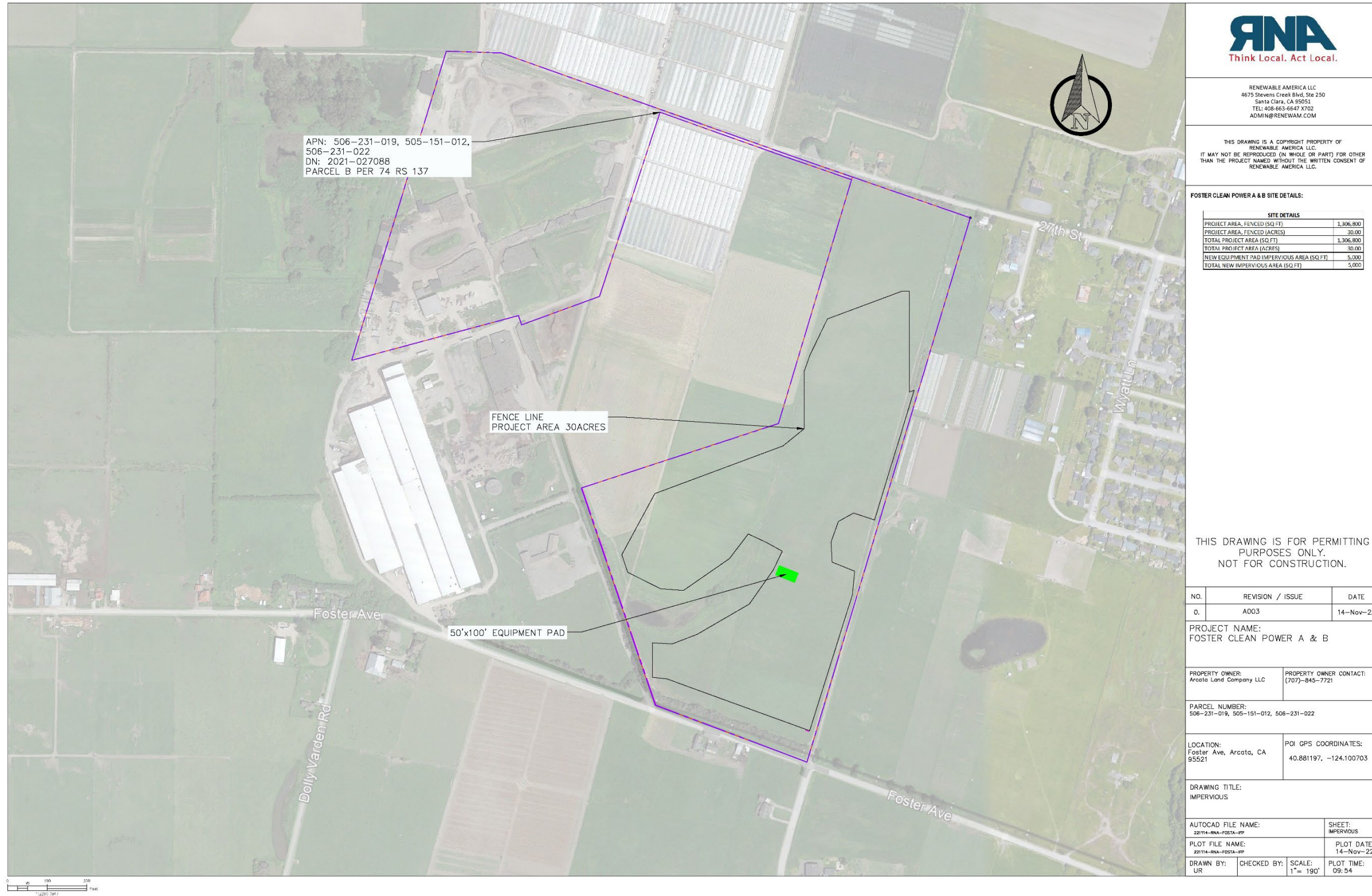
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40.881197, -124.100703

DRAWING TITLE:
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APPENDIX A

Figure A-8 Impervious Surface



APPENDIX A

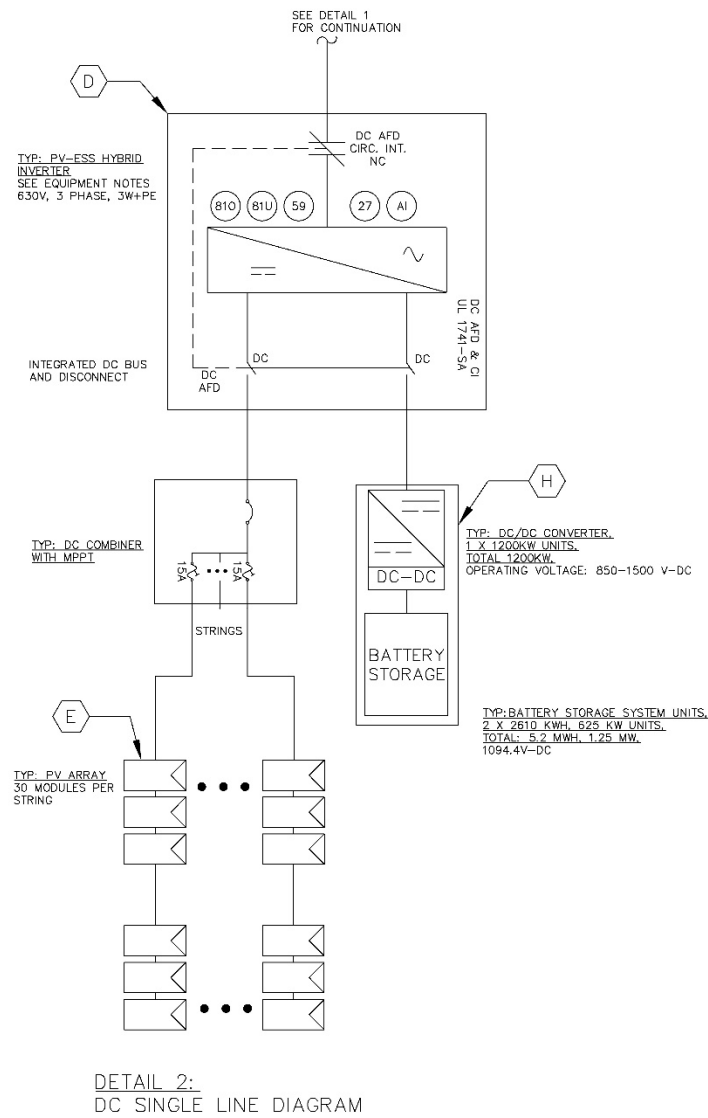
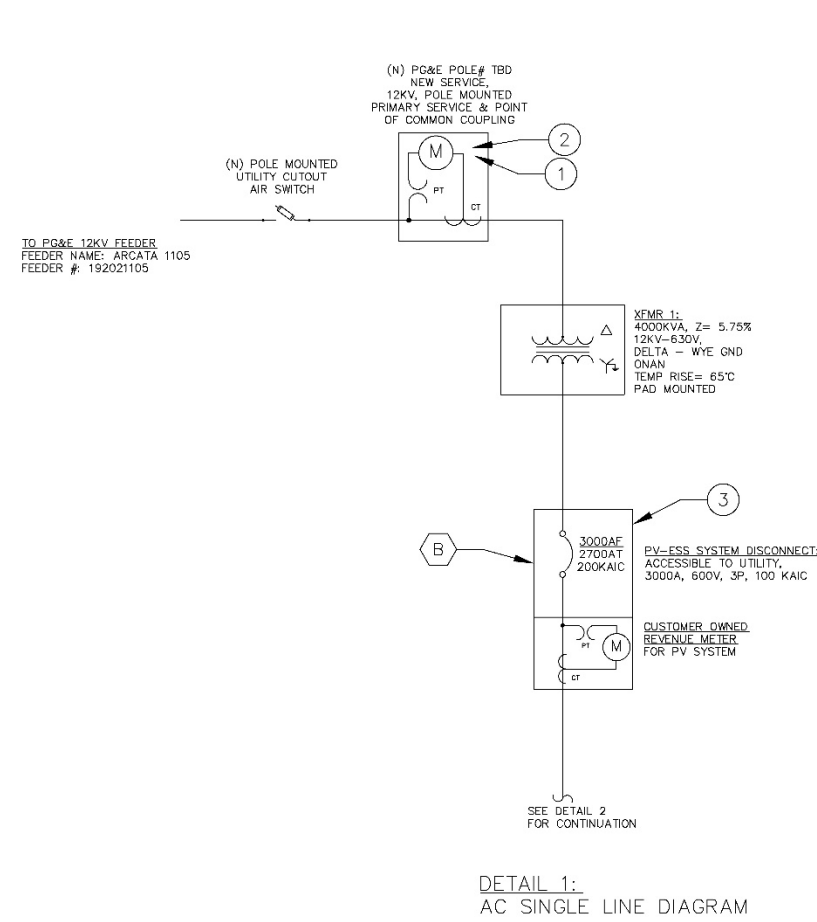
Figure A-9 Foster Clean Power A Single Line Diagram

EQUIPMENT NOTES:

- A. NOT USED .
- B. 3000A, 630V, 3P, 65KAIC, EATON MAGNUM DS CIRCUIT BREAKER. AS PV SYSTEM LOCKABLE DISCONNECT
- C. NOT USED.
- D. INV-1: 3000KW, 690V-AC, 2756A, 3φ, 3W CENTRAL HYBRID INVERTER TYPE, POWER ELECTRONICS FS3290K (1500V-DC MAX INPUT VOLTAGE), UL1741-SA CERTIFIED INVERTER MAX. OUTPUT POWER SHALL BE ELECTRONICALLY CURTAILED TO 3000KW-AC BY MANUFACTURER.
- E. (6,840) X MODULES: 650W, 1500V-DC, UL LISTED SOLAR PV MODULE, TYPE ASTROENERGY CHSM66M-HC.
- F. NOT USED.
- G. NOT USED.
- H. (2) X ENERGY STORAGE SYSTEM (ESS), DC-COUPLED, BYD CP32-B2800-U-R4M02/WVR , UL9540 CERTIFIED, 2610 KWH, 625KW, 1094.4V-DC.

KEY NOTES:

1. NEW SERVICE AND METERING SYSTEM (BY UTILITY).
2. POINT OF COMMON COUPLING (PCC). SYMMETRICAL FAULT CURRENT FROM PV SYSTEM AT PCC = 249.7A @ 12000V.
3. PROVIDE ACCESSIBLE LOCKABLE DISCONNECT AND PROTECTION DEVICE PER UTILITY INTERCONNECTION GUIDELINES TO ISOLATE GENERATING FACILITY FROM UTILITY DISTRIBUTION SYSTEM.
4. SYMMETRICAL FAULT CURRENT FROM PV SYSTEM AT PV SYSTEM DISCONNECT = 3,745A @ 630V.



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FOSTER CLEAN POWER A PV SYSTEM SPECS:

MODULE SPECIFICATION	
MANUFACTURER	ASTRO
PV MODULE MODEL	CHSM66M-HC
PV MODULE POWER (Pmax)	652
OPEN CIRCUIT VOLTAGE (Voc)	45.38
VOLTAGE TEMP. COEFF. (Voc)	-0.37
INVERTER SPECIFICATION	
MANUFACTURER	POWER ELECTRONICS CO
INVERTER MODEL	FS3290K
MAX OUTPUT POWER (KW)	3000
AC OUTPUT CURRENT (A)	2756
NOM AC VOLTAGE (V)	600V
MAX INPUT CURRENT (A)	865
MIN VOLTAGE STARTUP (V)	600
MAX INPUT VOLTAGE (V)	1500
PV SYSTEM SPECIFICATION	
DC VOLTAGE (V)	850
TOTAL NUMBER OF MODULES	6840
DC SYSTEM WATTAGE (KW)	3000
TOTAL NUMBER OF INVERTERS	1
WINDING RATIO	1.88
INVERTER TRACKING	
PTC 2 STRING TRACKER QUANTITY	36
PTC 4 STRING TRACKER QUANTITY	60
TURNDOWN RANGE (%)	00
BATTERY STORAGE SYSTEM SPECIFICATION	
MANUFACTURER	BYD
ESS MODEL	CP32-B2800-U-R4M02/WVR
MAX DC OUTPUT CURRENT (A)	625
NOM AC VOLTAGE (V)	1094.4
BATTERY CAPACITY (KWH)	2610
OUTPUT POWER (KW)	625
DC-COUPLED ENERGY FLOW	2000
TOTAL BATTERY QUANTITY	2
TOTAL BATTERY POWER (KW)	1.25
TOTAL BUS CAPACITY (KWH)	5220

NOTE:
ELECTRICAL SINGLE LINE DIAGRAM IS NOT
FOR CONSTRUCTION AND WILL BE UPDATED
PRIOR TO CONSTRUCTION START

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NO.	REVISION / ISSUE	DATE
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PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:
Arcata Land Company LLC

PROPERTY OWNER CONTACT:
(707)-845-7721

PARCEL NUMBER:
506-231-019, 505-151-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA
95521

POI GPS COORDINATES:
40.881197, -124.100703

DRAWING TITLE:
ELECTRICAL SINGLE LINE DIAGRAM

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APPENDIX A

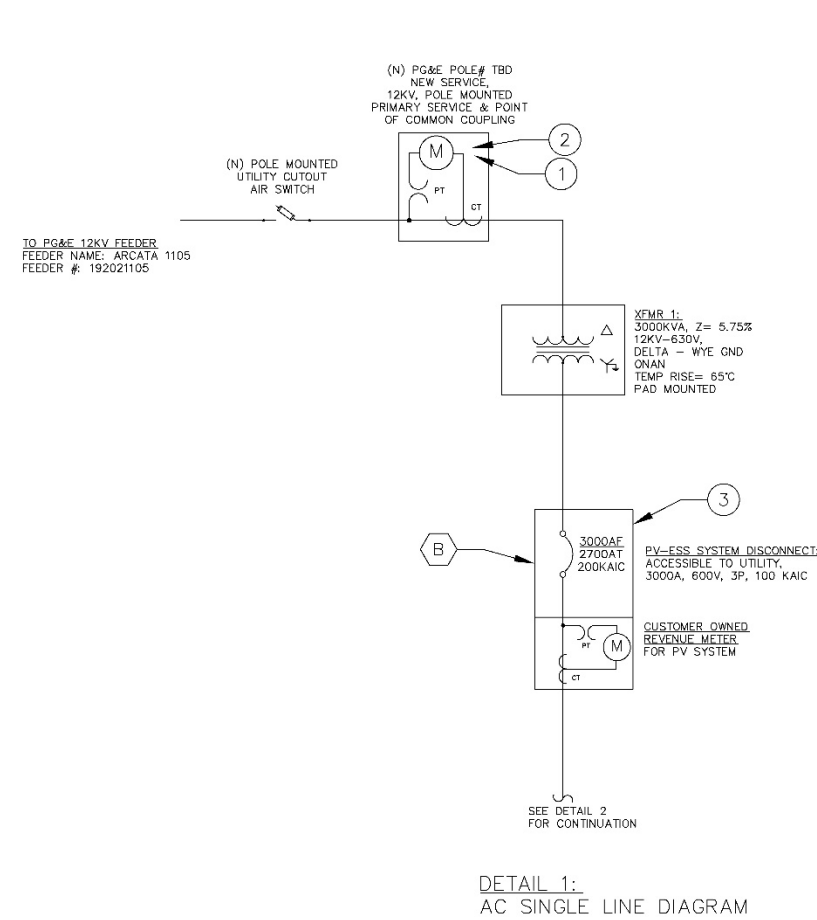
Figure A-10 Foster Clean Power B Single Line Diagram

EQUIPMENT NOTES:

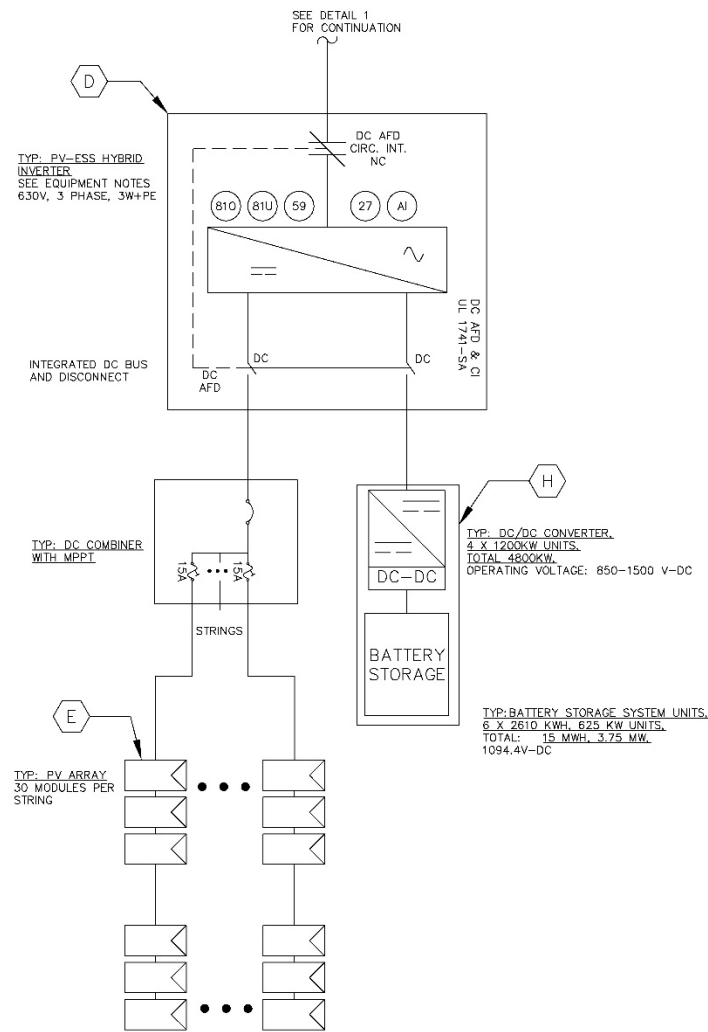
- A. NOT USED .
- B. 3000A, 630V, 3P, 65KAIC, EATON MAGNUM DS CIRCUIT BREAKER. AS PV SYSTEM LOCKABLE DISCONNECT
- C. NOT USED.
- D. INV-1: 4000KW, 690V-AC, 3674A, 3φ, 3W CENTRAL HYBRID INVERTER TYPE, POWER ELECTRONICS FS4390K (1500V-DC MAX INPUT VOLTAGE), UL1741-SA CERTIFIED INVERTER MAX. OUTPUT POWER SHALL BE ELECTRONICALLY CURTAILED TO 4000KW-AC BY MANUFACTURER.
- E. (9,120) X MODULES: 650W, 1500V-DC, UL LISTED SOLAR PV MODULE, TYPE ASTROENERGY CHSM66M-HC.
- F. NOT USED.
- G. NOT USED.
- (6) X ENERGY STORAGE SYSTEM (ESS), DC-COUPLED, BYD CP32-B2800-U-R4M02/WVR , UL9540 CERTIFIED, 2610 KWH, 625KW, 1094.4V-DC.

KEY NOTES:

1. NEW SERVICE AND METERING SYSTEM (BY UTILITY).
2. POINT OF COMMON COUPLING (PCC). SYMMETRICAL FAULT CURRENT FROM PV SYSTEM AT PCC = 249.7A @ 12000V.
3. PROVIDE ACCESSIBLE LOCKABLE DISCONNECT AND PROTECTION DEVICE PER UTILITY INTERCONNECTION GUIDELINES TO ISOLATE GENERATING FACILITY FROM UTILITY DISTRIBUTION SYSTEM.
4. SYMMETRICAL FAULT CURRENT FROM PV SYSTEM AT PV SYSTEM DISCONNECT = 3,745A @ 630V.



DETAIL 1:
AC SINGLE LINE DIAGRAM



DETAIL 2:
DC SINGLE LINE DIAGRAM



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FOSTER CLEAN POWER B PV SYSTEM SPECS:

MODULE SPECIFICATION	
MANUFACTURER	ASTRO
PV MODULE MODEL	CHSM66M-HC
PV MODULE POWER (Pmax)	650
OPEN CIRCUIT VOLTAGE (Voc)	65.38
VOLTAGE TEMP. COEFF. (INVT)	0.35
INVERTER SPECIFICATION	
MANUFACTURER	POWER ELECTRONICS
INVERTER MODEL	FS4390K
MAX OUTPUT POWER (kW)	4000
AC OUTPUT CURRENT (A)	3014
MAX AC VOLTAGE (kV)	0.69
MAX INPUT CURRENT (A)	4740
MIN VOLTAGE START UP (V)	276
MAX INPUT VOLTAGE (V)	1500
PV SYSTEM SPECIFICATION	
DC SYSTEM SIZE (kW)	3340
TOTAL NUMBER OF MODULES	9020
# OF SYSTEMS (NUMBER OF PV UNITS)	4000
TOTAL NUMBER OF INVERTERS	1
LOADING FACTOR	1.36
INVERTER EFFICIENCY	97.3
PFC 3 STRING TRACKER QUANTITY	43
PFC 2 STRING TRACKER QUANTITY	76
TUBING AND FITTINGS	0
BATTERY STORAGE SYSTEM SPECIFICATION	
MANUFACTURER	BYD
BYD MODEL NO	CP32-B2800-U-R4M02/WVR
MAX DC OUTPUT CURRENT (A)	3014
MAXIMUM VOLTAGE (VDC)	1094.4
BATTERY CAPACITY (kWh)	15000
OUTPUT POWER (kW)	625
DC CHARGE CURRENT (A)	3000
TOTAL BPS (BATT QUANTITY)	6
10 YEAR BPS POWER (MWh)	15.75
TOTAL BATT CAPACITY (kWh)	15000

NOTE: ELECTRICAL SINGLE LINE DIAGRAM IS NOT FOR CONSTRUCTION AND WILL BE UPDATED PRIOR TO CONSTRUCTION START

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NO.	REVISION / ISSUE	DATE
0.	E001	14-Nov-22

PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:
Arcata Land Company LLC

PROPERTY OWNER CONTACT:
(707)-845-7721

PARCEL NUMBER:
506-231-019, 505-151-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA 95521

POI GPS COORDINATES:
40.881197, -124.100703

DRAWING TITLE:
ELECTRICAL SINGLE LINE DIAGRAM

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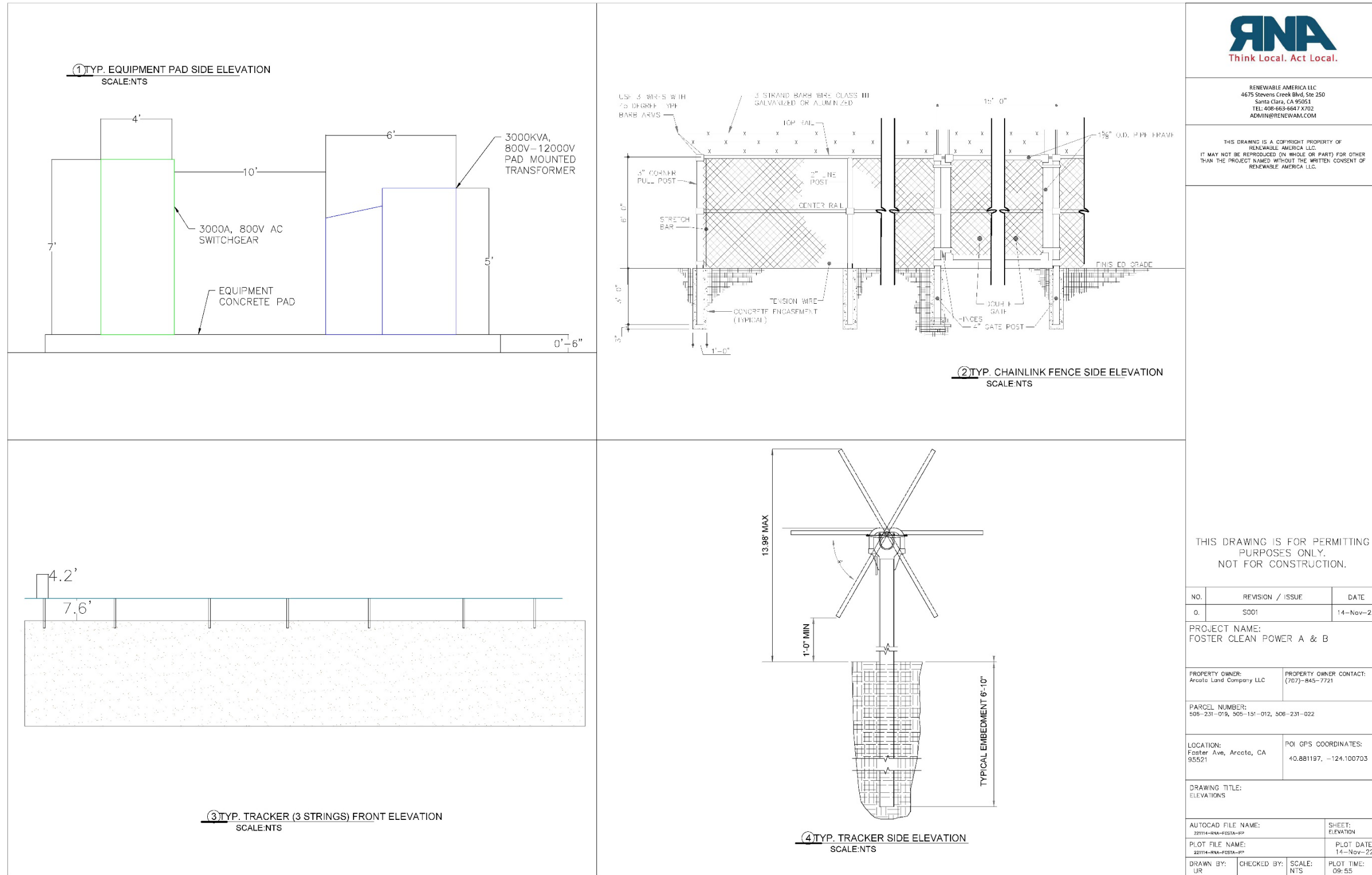
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APPENDIX A

Figure A-11 Fence, Equipment Pad, and Solar Panel Diagrams



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PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:
Arcata Land Company LLC

PROPERTY OWNER CONTACT:
(707)-845-7721

PARCEL NUMBER:
505-231-019, 505-131-012, 506-231-022

LOCATION:
Foster Ave, Arcata, CA 95521

POI GPS COORDINATES:
40.881197, -124.100703

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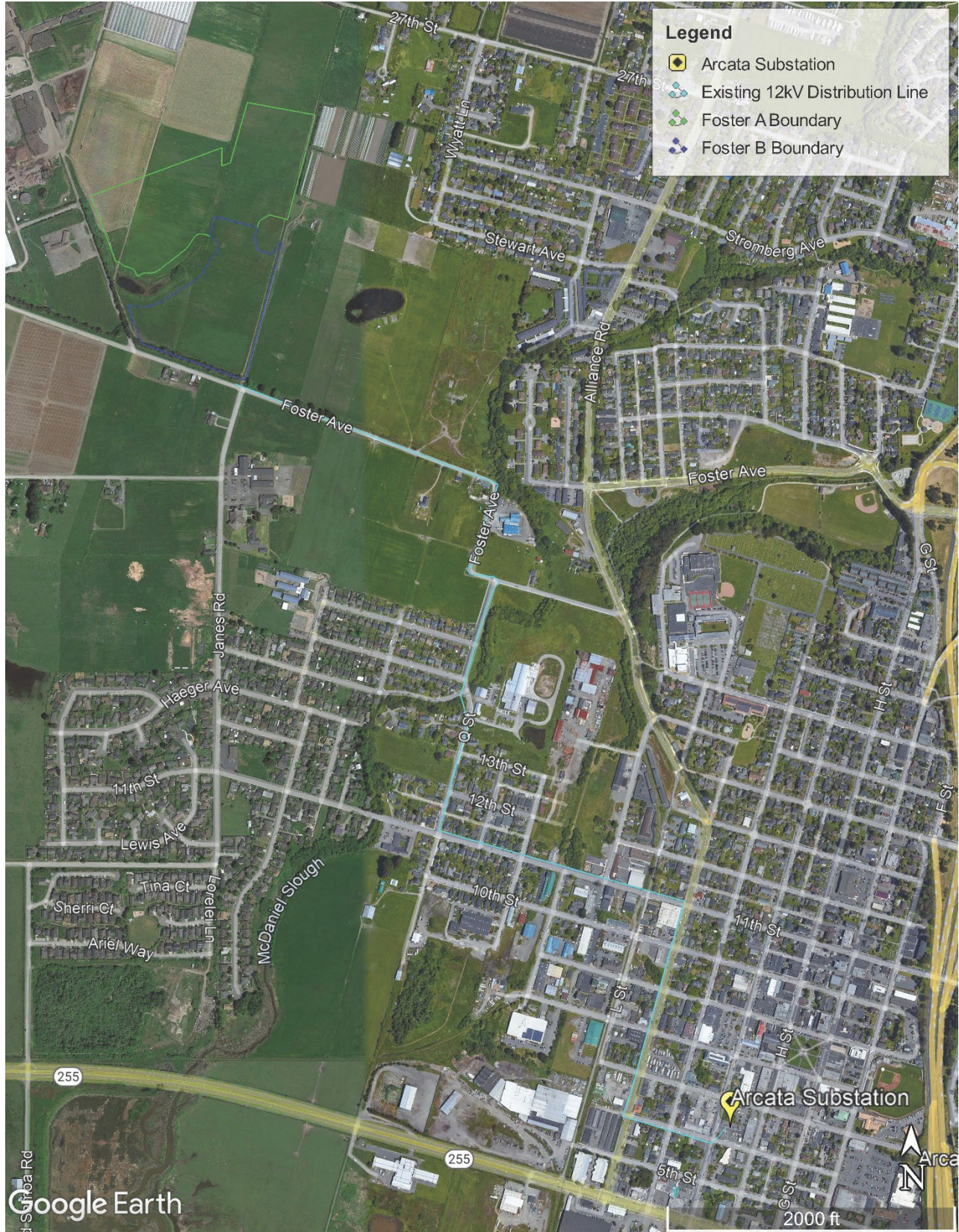
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APPENDIX A

Figure A-12 Existing Distribution Interconnection Route



APPENDIX A

Figure A-13 Drone Image 1 – North (April 15, 2021)



Figure A-14 Drone Image 2 – East (April 15, 2021)



APPENDIX A

Figure A-15 Drone Image 3 – South (April 15, 2021)



Figure A-16 Drone Image 4 – Southwest (April 15, 2021)



APPENDIX A

Figure A-17 Drone Image 5 – Southwest-West (June 10, 2021)



Figure A-18 Drone Image 6 – East (June 10, 2021)



APPENDIX A

Figure A-19 Example of a Battery Storage Unit and Equipment Housing



Figure A-20 Location of Anticipated Tree Removal on Foster Avenue





Renewable America LLC Foster Clean Power A & B Project Biological Resources Assessment

November 2022

TransTerra Consulting
791 7th Street Suite I
Arcata, CA 95521
707-840-4772
admin@trans-terra.com



Renewable America LLC
**Foster Clean Power A & B Project
Biological Resources Assessment**

November 2022

Prepared for:

717 Market Street, Suite 400
San Francisco, CA 94103
650-373-1200
www.panoramaenv.com

Prepared by:

TransTerra Consulting
791 7th Street Suite I
Arcata, CA 95521
707-840-4772
admin@trans-terra.com

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Abbreviations and Acronyms

C°	degrees Celsius
F°	degrees Fahrenheit
APN	Assessor's Parcel Number
BIOS	Biogeographical Information and Observation System
BMP	best management practices
BRA	Biological Resources Assessment
C	candidate species status
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CRPR	California Rare Plant Rank
CT	candidate threatened species status
CWA	Clean Water Act
D	delisted species status
DPS	Northern California distinct population segment/species status
E	endangered species status
EPA	U.S. Environmental Protection Agency
ESU	evolutionarily significant unit/species status
FESA	Federal Endangered Species Act
FP	fully protected species status
IPaC	Information for Planning and Conservation
MBTA	Migratory Bird Treaty Act
NCCP	Natural Community Conservation Planning
NMFS	National Marine Fisheries Service
NPPA	Native Plant Protection Act
RWQCB	Regional Water Quality Control Board
SAA	Streambed Alteration Agreement
SMAO	Streamside Management Area Ordinance
SSC	species of special concern
SWRCB	State Water Resources Control Board
T	threatened species status
U.S.	United States
USACE	United States Army Corps of Engineers
USC	United States Code
USDA	United States Department of Agriculture

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USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VegCAMP	Vegetation Classification and Mapping Program
WDR	Waste Discharge Requirement
WL	watch list species status

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1 Introduction

1.1 Purpose

This Biological Resources Assessment (BRA) report has been prepared to evaluate biological resources associated with the proposed Foster Clean Power A & B Project, including special-status plants and wildlife, sensitive habitats, natural vegetation communities, and aquatic resources. The BRA describes the methodology of desktop research and field studies of the project site, addresses the potential for biological resources to occur in the project area, identifies potential adverse impacts the project may have on those resources, and recommends methods for avoiding and/or minimizing impacts. The BRA is intended to provide the necessary information required to complete an environmental document for the project in accordance with the California Environmental Quality Act (CEQA) and to obtain the necessary permits to construct the proposed project.

A separate wetland delineation report was prepared for the project to formally evaluate the study area for the presence of jurisdictional water features (TransTerra, 2022a).

1.2 Project Location

The project is located at the intersection of Foster Avenue and Janes Road within unincorporated Humboldt County (County) (refer to Figure 2-1). The City of Arcata is located immediately south of the project site on the southern side of Foster Avenue and to the east of the project site. Access to the site is provided by Foster Avenue/Jackson Ranch Road. The project is contained within three parcels (APNs 505-151-012-000, 506-231-019-000, and 506-231-022-000) of which approximately 30 acres would be developed for solar energy generation and storage. The project is located on the United States Geological Survey (USGS) Arcata North 7.5-minute Quadrangle, and within the Township 06 north, Range 01 east, and Sections 19, 20, 29, and 30 of the Humboldt Meridian.

1.3 Project Description

Renewable America LLC (RNA) proposes to construct and operate a two-phased community-scale solar and energy storage project referred to as: Foster Clean Power A (Phase I) and Foster Clean Power B (Phase II). Phase I would involve the construction of a 12-acre photovoltaic (PV) solar energy facility with associated inverters, fencing, and a 15-foot-wide access road that connects to Foster Avenue to an equipment pad. The majority of the access road would follow an existing 15-foot-wide farm road. The equipment pad would be approximately 50 feet by 100 feet in size. Phase I would also include an energy storage (battery) system. Phase II would

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involve the construction of an additional 18-acre PV solar energy facility immediately north of the Phase I site and would utilize the same equipment pad area and adjoining access road (refer to Figure 2-2). Refer to Figure 1-2.

Rows of solar panel arrays oriented north to south would be installed within the two development areas on a single-axis tracking system that would rotate from east to west throughout the day (approximately 60 degrees in each direction). The proposed solar arrays would have a height of approximately 15 feet. Each solar array row would be spaced approximately 14 feet apart. The tracking system would be installed on posts driven directly into the ground to a depth of approximately 6 feet. The solar facility and associated electrical equipment would be encompassed by a chain-link perimeter fence with three strands of barbed wire installed on top. Two separate areas would be fenced for Phases I and II.

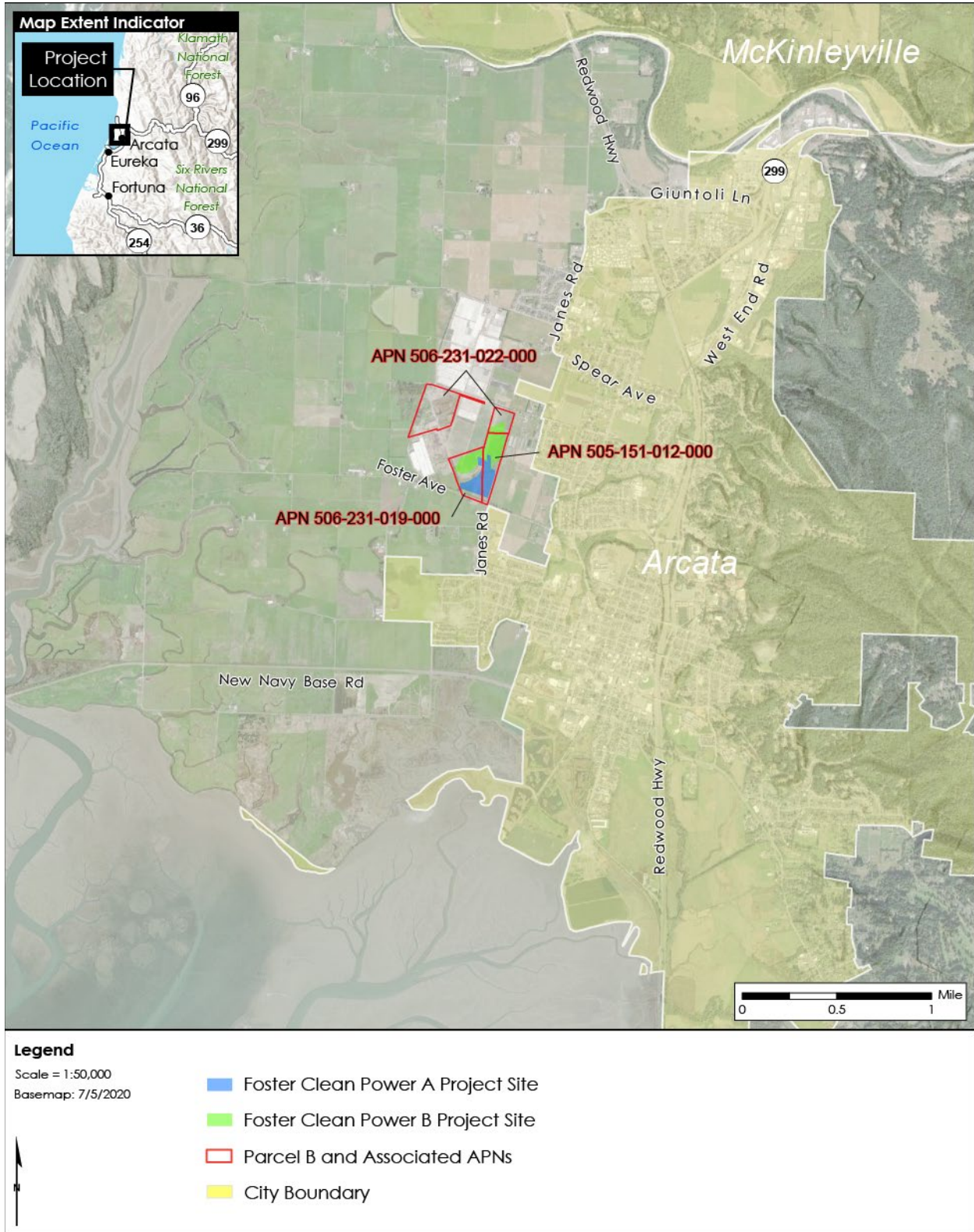
The project would be designed to conform to existing topography and constructed in a manner that would minimize ground disturbance. Grading and the creation of impervious surfaces would be limited to the approximately 50-foot by 100-foot equipment pad. The project would maintain the existing site drainage patterns and would not result in a substantial increase in stormwater flow. Stormwater would continue to flow across the site in line with existing drainage patterns.

The project would deliver power to Pacific Gas and Electric Company's (PG&E's) existing distribution network via a primary service interconnection located on Foster Avenue. The solar facility would be positioned within previously tilled areas used for row crop production. The project site and properties are surrounded by agricultural and rural residential land uses.

The proposed solar facility would operate 24 hours a day, 7 days a week, and year-round, with the exception of down time for scheduled maintenance. The facility would be unmanned and managed remotely with security surveillance. Regular staff presence would not be required. Staff would on-site periodically to inspect and maintain the project facilities and maintain vegetation. It is anticipated that approximately two staff members would visit the project site approximately four times per year for regularly scheduled inspections and maintenance. In case of damages or non-functional equipment requiring replacement or repair, an appropriate number of staff will be on site and necessary deliveries will be made to address the issues. The site is expected to have deliveries for equipment replacement once every 10 years with the exception of unexpected events.

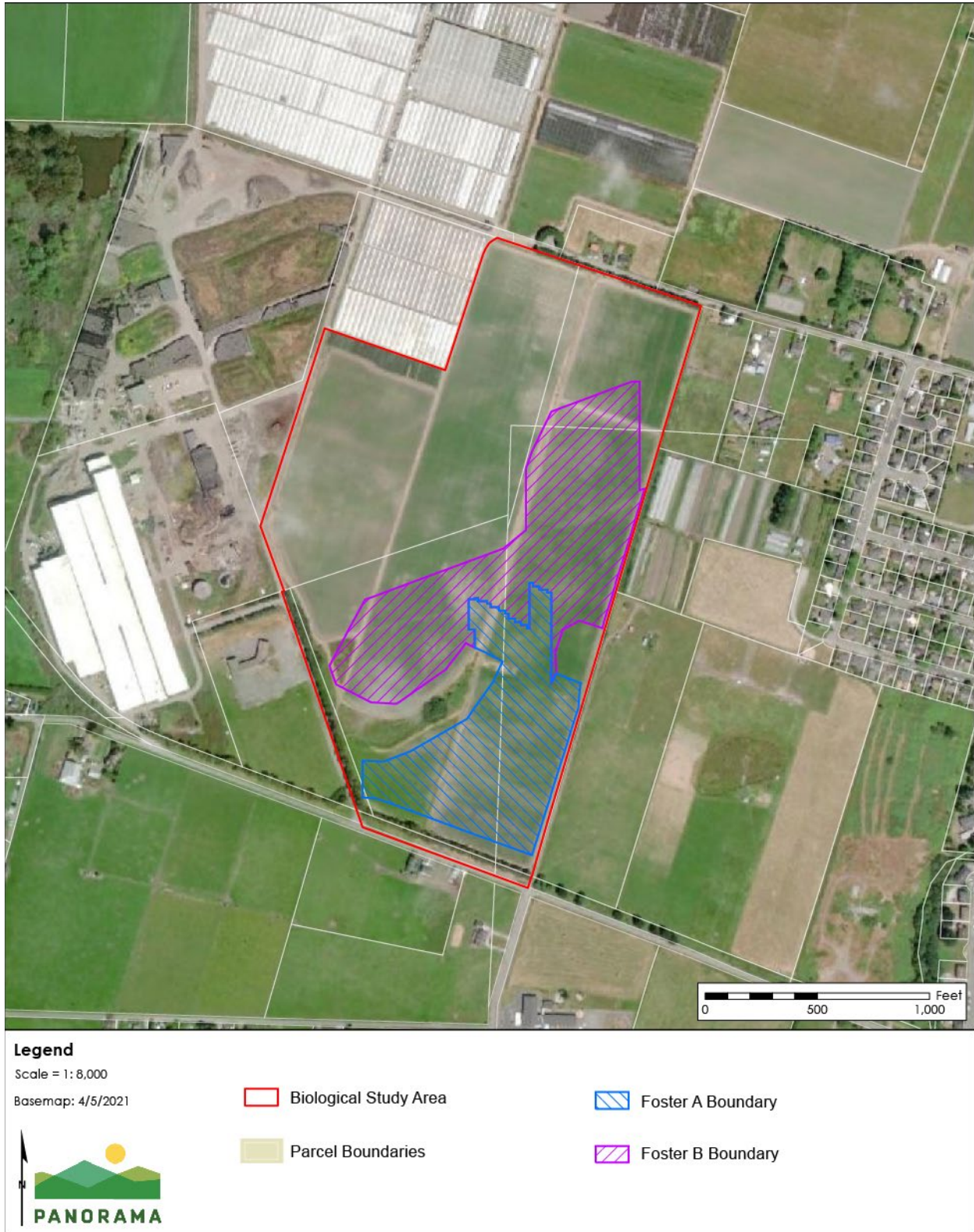
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Figure 1-1 Project Location



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Figure 1-2 Proposed Project Footprint and Biological Study Area



2 Methodology

2.1 Overview

This BRA was prepared by TransTerra for the proposed Foster Clean Power A & B Project. A separate BRA as well as a wetland delineation report were prepared for the subject properties by SHN in 2020 for a proposed cannabis cultivation project, which was subsequently approved by the County but has not been constructed (SHN, 2020a; SHN, 2020b). Information from the SHN reports was reviewed and incorporated into this BRA, and recommendations were developed to address the specific conditions of the proposed Foster Clean Power A & B Project. Additional literature review and field studies were also conducted by TransTerra, as discussed in Sections 2.3 and 2.4 below.

2.2 Biological Study Area

The biological study area is approximately 79.5 acres and encompasses 3 properties¹ and intersects portions of 5 other properties², including the properties that contain the proposed project features and adjacent properties that are owned by the same landowner or within the County's public road right-of-way (refer to Figure 1-2). The study area primarily consists of an agricultural field that has been historically used for agricultural purposes and is currently used for agricultural production. Roughly half of the study area overlaps the prior BRA study area evaluated by SHN (SHN, 2020a).

According to the County's General Plan Land Use and Zoning Ordinance GIS data layers, the properties where project features are proposed (APNs 505-151-012-000, 506-231-019-000, and 506-231-022-000) have a land use designation of Agriculture Exclusive (AE) and are zoned primarily as Agriculture Exclusive (AE), with portions zoned as Manufactured Home – Qualified (MH-Q) and Agriculture General (AG). The project parcels are not within the Coastal Zone (Humboldt County, 2022).

Additional site conditions identified as a result of field investigations are described in Section 4.1.

¹ Encompassed APNs 505-151-011-000, 505-151-012-000, and 506-231-019-000.

² Intersected APNs 506-131-011-000, 505-151-005-000, 506-231-012-000, 506-231-021-000, and 506-231-022-000.

2.3 Literature Review

TransTerra conducted a review of pertinent literature including information on habitat characteristics of the site and surrounding area, regionally occurring special-status species of plants and animals, aquatic resources, regulatory requirements, and past studies of the project site. The results and recommendations presented in this BRA rely on several sources, including the following:

- California Natural Diversity Database (CNDDDB) query for the Arcata North and surrounding USGS 7.5-minute topographic quadrangles (Tyee City, Trinidad, Crannell, Panther Creek, Blue Lake, Korb, Arcata South, and Eureka) (California Department of Fish and Wildlife [CDFW]) (CDFW, 2022a).
- Biogeographical Information and Observation System (BIOS) (CDFW, 2022b).
- Electronic Inventory of Rare and Endangered Vascular Plants of California (California Native Plant Society [CNPS]), (CNPS, 2022)) query for a list of all plant species reported for the Arcata North and 8 surrounding USGS 7.5-minute topographic quadrangles.
- USFWS's Critical Habitat Portal (USFWS, 2022)
- Biological Resources Assessment prepared for the Arcata Land Company, LLC by SHN Engineering and Consulting (SHN, 2020a).
- Wetland and Other Waters Delineation Report prepared for the Arcata Land Company, LLC by SHN Engineering and Consulting (SHN, 2020b).
- Low flying drone imagery provided by RNA (flown April 15 and June 10, 2021) (samples provided in Appendix C).

A list of potential target special-status species for the study area was compiled based on the results of the literature review. Regionally occurring special-status plant species are presented in Table A-1 and regionally occurring special-status animal species are presented in Table A-2 (refer to Appendix A). The regionally occurring species and habitats identified are consistent with those identified in the 2020 SHN BRA (SHN, 2020a).

2.4 Coordination with Permitting and Regulatory Agencies

RNA has conducted pre-application coordination with Humboldt County regarding the scope and methods of the BRA. No coordination with permitting agencies has occurred. Coordination with permitting agencies will be conducted as needed to address wildlife and permitting requirement identified during County review of the BRA and following CEQA review.

2.5 Field Investigations

Qualified biologists and botanists with TransTerra experienced in regional special-status species and their habitats conducted field investigations within the biological study area on April 7, July 27, and August 4, 2022. The results of the initial field investigation on April 7, 2022, were documented in a memorandum and incorporated into the information presented in this BRA

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(TransTerra, 2022b). SHN conducted field investigations for the cannabis cultivation project BRA on May 2 and July 19, 2019 (SHN, 2020a).

The surveys were conducted during seasonally appropriate periods and followed methods from CDFW's Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Natural Communities (CDFW, 2018). The study area was thoroughly investigated for the presence of regionally occurring special-status plants (Table A-1) and wildlife (Table A-2) including suitable habitat that may support the species, other sensitive habitats, and invasive species. The Jepson Manual (Baldwin, 2012) and Manual of California Vegetation (Sawyer, 2009) were consulted for plant species identification. The results of the field investigations are presented in Section 4.

3 Regulatory Setting

3.1 Overview

Regulatory authority over biological resources is shared by federal, state, and local authorities under a variety of legislative acts. The following sections summarize the federal, state, and local regulations for special-status species, jurisdictional waters of the United States (U.S.) and State of California, and other sensitive biological resources.

3.2 Federal Laws

3.2.1 Clean Water Act Sections 404 and 401

Under Section 404 (33 U.S. Code (USC) 1344) of the Clean Water Act (CWA), as amended, the U.S. Army Corps of Engineers (USACE) retains primary responsibility for permits to discharge dredged or fill material into waters of the U.S. All discharges of dredged or fill material into jurisdictional waters of the U.S. that result in permanent or temporary losses of waters of the U.S. are regulated by the USACE. A permit from the USACE must be obtained before placing fill or grading in wetlands or other waters of the U.S., unless the activity is exempt from CWA Section 404 regulation (for example, certain farming and forestry activities).

The USACE defines wetlands as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions” (Environmental Laboratory, 1987). In other words, the USACE defines wetlands by the presence of all three wetland indicators: hydrophytic vegetation, hydric soils, and wetlands hydrology.

Waters of the U.S. are defined at 33 Code of Federal Regulations (CFR) Part 328. They include traditional navigable waters; relatively permanent, non-navigable tributaries of traditional navigable waters; and certain wetlands. Following recent court cases, the U.S. Environmental Protection Agency (EPA) and USACE published a memorandum entitled Clean Water Act Jurisdiction (USACE/EPA, 2008) to guide the determination of jurisdiction over waters of the U.S., especially for wetlands. The applicability of Section 404 permitting over discharges to wetlands is, therefore, a two-step process: 1) determining the areas that are wetlands, and 2) where a wetland is present, assessing the wetland’s connection to traditional navigable waters and non-navigable tributaries to determine whether the wetland is jurisdictional under the CWA. A wetland is considered jurisdictional if it meets certain specified criteria.

3 REGULATORY SETTING

The USACE is required to consult with the USFWS and/or National Marine Fisheries Service (NMFS) under Section 7 of the federal Endangered Species Act (FESA) if the action subject to CWA permitting could result in “take” of federally listed species or an adverse effect to designated critical habitat. The project is within the jurisdiction of the Sacramento District of the USACE.

Section 401 of the CWA (33 U.S.C. 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the U.S. to obtain a certification from the state in which the discharge originates or would originate, or, if appropriate, from the interstate water pollution control agency having jurisdiction over the affected waters at the point where the discharge originates or would originate, that the discharge will comply with the applicable effluent limitations and water quality standards (EPA, 2002). A certification obtained for the construction of any facility must also pertain to the subsequent operation of the facility. The responsibility for the protection of water quality in California rests with the State Water Resources Control Board (SWRCB) and its nine Regional Water Quality Control Boards (RWQCB). The project is within the jurisdiction of the North Coast RWQCB.

3.2.2 Fish and Wildlife Coordination Act

The Fish and Wildlife Coordination Act (16 U.S.C. Sections 661-667e, March 10, 1934, as amended 1946, 1958, 1978, and 1995) requires that whenever waters or channel of a stream or other body of water are proposed or authorized to be modified by a public or private agency under a federal license or permit, the federal agency must first consult with the USFWS and/or NMFS and with the head of the agency exercising administration over the wildlife resources of the state where construction will occur (in this case the CDFW), with a view to conservation of birds, fish, mammals, and all other classes of wild animals, and all types of aquatic and land vegetation upon which wildlife is dependent (USFWS, 1934).

If direct permanent impacts occur to waters of the U.S. from a proposed project, then a permit from USACE under CWA Section 404 is required for the construction of the proposed project. USACE is required to consult with USFWS and/or NMFS as appropriate regarding potential impacts to federally listed species under FESA. Such action may prompt consultation with CDFW, which would review the project pursuant to California Endangered Species Act (CESA) and issue a consistency letter with USFWS and/or NMFS, if required.

3.2.3 Federal Endangered Species Act

The U.S. Congress passed the FESA in 1973 to protect species that are endangered or threatened with extinction. The FESA is intended to operate in conjunction with the National Environmental Policy Act (NEPA) to help protect the ecosystems upon which endangered and threatened species depend and within which they live. The USFWS and the NMFS are the designated federal agencies responsible for administering the FESA.

3 REGULATORY SETTING

The FESA prohibits the “take” of endangered or threatened wildlife species (USFWS, 1973). A “take” is defined as harassing, harming (including significantly modifying or degrading habitat), pursuing, hunting, shooting, wounding, killing, trapping, capturing, or collecting wildlife species, or any attempt to engage in such conduct (16 U.S.C. 1531, 50 CFR 17.3). An activity can be defined as a “take” even if it is unintentional or accidental. Taking can result in civil or criminal penalties. Activities that could result in “take” of a federally listed species require an incidental “take” authorization resulting from FESA Section 7 consultation or FESA Section 10 consultation. Plants are legally protected under the FESA only if “take” occurs on federal land or from federal actions, such as issuing a wetland fill permit.

A federal endangered species is one that is considered in danger of becoming extinct throughout all, or a significant portion, of its range. A federal threatened species is one that is likely to become endangered in the foreseeable future. The USFWS also maintains a list of species proposed for listing as threatened or endangered. Proposed species are those for which a proposed rule to list as endangered or threatened has been published in the Federal Register. In addition to endangered, threatened, and proposed species, the USFWS maintains a list of candidate species. Candidate species are those for which the USFWS has on file sufficient information to support issuance of a proposed listing rule.

Pursuant to the requirements of the FESA, an agency reviewing a proposed project within its jurisdiction must determine whether any federally listed endangered or threatened species may be present in the project area and determine whether the proposed project will have a potentially significant impact on such a species. In addition, the agency is required to determine whether the project is likely to jeopardize the continued existence of any species proposed to be listed under the FESA or result in the destruction or adverse modification of critical habitat designated or proposed to be designated for such species (16 U.S.C. 1536[3], [4]). Project-related impacts to species on the FESA endangered or threatened list would be considered significant and would require mitigation.

3.2.4 Migratory Bird Treaty Act

The federal Migratory Bird Treaty Act (MBTA) of 1918 makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed in CFR Part 10, including feather or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 CFR 21) (USFWS, 1918). The MBTA also prohibits disturbance and harassment of nesting migratory birds at any time during their breeding season. The USFWS is responsible for enforcing the MBTA (16 U.S.C. 703). The migratory bird nesting season is generally considered to be between March 1 and August 31 within the study region.

3.3 State Laws

3.3.1 Porter-Cologne Water Quality Control Act

The state and RWQCB also maintain independent regulatory authority over the placement of waste, including fill, into waters of the State under the Porter-Cologne Water Quality Control Act. Waters of the State are defined by the Porter-Cologne Water Quality Control Act as “any surface water or groundwater, including saline waters, within the boundaries of the state.” The SWRCB protects all waters in its regulatory scope but has special responsibility for isolated wetlands and headwaters (State Water Resource Control Board, 1969). These water bodies might not be regulated by other programs, such as Section 404 of the CWA. Waters of the State are regulated by the RWQCBs under the State Water Quality Certification Program, which regulates discharges of dredged and fill material under Section 401 of the CWA and the Porter-Cologne Water Quality Control Act. Projects that require an USACE permit, or fall under other federal jurisdiction, and have the potential to impact waters of the State are required to comply with the terms of the Section 401 Water Quality Certification Program. If a proposed project does not require a federal license or permit but does involve activities that may result in a discharge of harmful substances to waters of the State, the RWQCBs have the option to regulate such activities under their state authority in the form of Waste Discharge Requirements (WDRs) or certification of WDRs.

3.3.2 California Endangered Species Act

The State of California enacted the California Endangered Species Act (CESA) in 1984. The CESA is similar to the FESA but pertains to state-listed endangered and threatened species. Under the CESA, the CDFW has the responsibility for maintaining a list of threatened and endangered species designated under State law (California Fish and Game Code [CFGF] 2070). Section 2080 of the CFGF prohibits “take” of any species that the commission determines to be an endangered or threatened species. “take” is defined in Section 86 of the CFGF as “to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill.”

The state and federal lists of threatened and endangered species are generally similar; however, a species present on one list may be absent from the other. CESA regulations are also somewhat different from the FESA in that the State regulations included threatened, endangered, and candidate plants on non-federal lands within the definition of “take.” CESA allows for “take” incidental to otherwise lawful development projects.

Pursuant to the requirements of the CESA, an agency reviewing a proposed project within its jurisdiction must determine whether any state-listed endangered or threatened species may be present in the project area and determine whether the proposed project will have a potentially significant impact on such species. Project-related impacts to species on the CESA endangered or threatened list (or, in addition, designated by the CDFW as a “Species of Special Concern,” which is a level below threatened or endangered status) would be considered significant and would require mitigation (CDFW, 1984).

3 REGULATORY SETTING

3.3.3 California Environmental Quality Act

CEQA Guidelines Sections 15125(c) and 15380(d) provide 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 specified criteria (California Natural Resources Agency, 1970). CEQA provides the ability to protect a species from potential project impacts until the respective government agencies have an opportunity to designate the species as protected, if warranted.

The CNPS maintains a list of plant species native to California whose populations that are significantly reduced from historical levels, occur in limited distribution, or are otherwise rare or threatened with extinction. This information is published in the Inventory of Rare and Endangered Plants of California CNPS (CNPS, 2022). Taxa with a California Rare Plant Rank (CRPR) of 1A, 1B, 2A, 2B, and 3 in the CNPS inventory consist of plants that meet the definitions of the CESA of the CFGC, are eligible for state listing, and meet the definition of Rare or Endangered under CEQA Guidelines Sections 15125(c) and 15380(d). Some taxa with a CRPR 4 may meet the definitions of the CESA of the CFGC. CRPR 4 populations may qualify for consideration under CEQA if they are peripheral or disjunct populations; represent the type locality of the species; or exhibit unusual morphology and/or occur on unusual substrates.

Additionally, CDFW maintains lists of special animals and plants. These lists include a species conservation ranking status from multiple sources, including FESA, CESA, federal departments with unique jurisdictions, CNPS, and other non-governmental organizations. Based on these sources, CDFW assigns a heritage rank to each species according to their degree of imperilment (as measured by rarity, trends, and threats). These ranks follow NatureServe's Heritage Methodology, in which all species are listed with a G (global) and S (state) rank. Species with state ranks of S1-S3 are also considered highly imperiled.

CEQA Guidelines checklist IV(b) calls for the consideration of riparian habitats and sensitive natural communities. Sensitive vegetation communities are natural communities and habitats that are either unique, of relatively limited distribution in the region, or of particularly high wildlife value. However, these communities may or may not necessarily contain special-status species. Sensitive natural communities are usually identified in local or regional plans, policies, or regulations, or by the CDFW (i.e., the CNDDDB program and Vegetation Classification and Mapping Program [VegCAMP]) or the USFWS. Impacts to sensitive natural communities and habitats must be considered and evaluated under the CEQA (California Code of Regulations [CCR]: Title 14, Div. 6, Chap. 3, Appendix G).

Although sensitive natural communities do not (at present) have legal protection, CEQA calls for an assessment of whether any such resources would be affected and requires a finding of significance if there will be substantial losses. High quality occurrences of natural communities with heritage ranks of 3 or lower are considered by CDFW to be significant resources and fall under the CEQA Guidelines for addressing impacts. Local planning documents (such as, general plans) often identify these resources as well. Avoidance, minimizations, or mitigation measures should be implemented if project-affected stands of rare vegetation types or natural communities are considered high-quality occurrences of the given community.

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As a trustee agency under CEQA, CDFW reviews potential project impacts to biological resources, including wetlands. In accordance with the CEQA thresholds of significance for biological resources, areas that meet the state criteria of wetlands and could be impacted by a project must be analyzed. Pursuant to CFGC Section 2785, CDFW defines wet areas as “lands which may be covered periodically or permanently with shallow water and which include saltwater marshes, freshwater marshes, open or closed brackish water marshes, swamps, mudflats, fens, and vernal pools.”

3.3.4 California Fish and Game Code Section 1600

Streams, lakes, and riparian vegetation serving as habitat for fish and other wildlife species, are subject to jurisdiction by the CDFW under Sections 1600-1616 of the CFGC. Any activity that will do one or more of the following: 1) substantially obstruct or divert the natural flow of a river, stream, or lake; 2) substantially change or use any material from the bed, channel, or bank of a river, stream, or lake; or 3) deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river, stream, or lake generally require a Lake or Streambed Alteration Agreement (LSAA).

The term “stream,” which includes creeks and rivers, is defined in the CCR as follows: “a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life.” This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation (14 CCR 1.72).

In addition, the term “stream” can include ephemeral streams, dry washes, watercourses with subsurface flows, canals, aqueducts, irrigation ditches, and other means of water conveyance if they support aquatic life, riparian vegetation, or stream-dependent terrestrial wildlife. Riparian is defined as “on, or pertaining to, the banks of a stream”; therefore, riparian vegetation is defined as, “vegetation which occurs in and/or adjacent to a stream and is dependent on, and occurs because of, the stream itself” (CDFW, 1994). Removal of riparian vegetation also requires a LSAA from the CDFW.

3.3.5 California Fish and Game Code Sections 3503 and 3513

According to Section 3503 of the CFGC it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird (except English sparrows [*Passer domesticus*] and European starlings [*Sturnus vulgaris*]). Section 3503.5 specifically protects birds in the orders Falconiformes and Strigiformes (birds-of-prey). Section 3513 essentially overlaps with the MBTA, prohibiting the “Take” or possession of any migratory non-game bird. Disturbance that causes nest abandonment and/or loss of reproductive effort is considered “Take” by the CDFW (CDFW, 1998).

3.3.6 Fully Protected Species and Species of Special Concern

The classification of “fully protected” was the CDFW’s initial effort to identify and provide additional protection to those animals that were rare or faced with possible extinction. Lists were created for fish, amphibian and reptiles, birds, and mammals. Most of the species on these

3 REGULATORY SETTING

lists have subsequently been listed under CESA and/or FESA. The CFGC sections (fish at Sec. 5515, amphibian and reptiles at Sec. 5050, birds at Sec. 3511, and mammals at Sec. 4700) dealing with “fully protected” species states that these species “...may not be taken or possessed at any time and no provision of this code or any other law shall be construed to authorize the issuance of permits or licenses to take any fully protected species,” (CDFW, 1998) although “take” may be authorized for necessary scientific research. This language makes the “fully protected” designation the strongest and most restrictive regarding the “take” of these species. In 2003, the code sections dealing with fully protected species were amended to allow the CDFW to authorize “take” resulting from recovery activities for state-listed species.

Species of special concern (SSC) are broadly defined as animals not listed under the CESA, but that are nonetheless of concern to the CDFW because they are declining at a rate that could result in listing or historically occurred in low numbers and known threats to their persistence currently exist. This designation is intended to result in special consideration for these animals by the CDFW, land managers, consulting biologists, and others, and is intended to focus attention on the species to help avert the need for costly listing under CESA and cumbersome recovery efforts that might ultimately be required. This designation also is intended to stimulate collection of additional information on the biology, distribution, and status of poorly known at-risk species, and focus research and management attention on them. Although the SSC designation provides no special legal status, they are given special consideration under CEQA during project review.

Table A-2 in Appendix A includes a list of regionally occurring federal- and state-listed animal species, as well as their designated CDFW status.

3.3.7 Native Plant Protection Act of 1973

The Native Plant Protection Act (NPPA) of 1973 (Sec.1900-1913 of the CFGC) includes provisions that prohibit the taking of endangered or rare native plants from the wild and a salvage requirement for landowners. The CDFW administers the NPPA and generally regards as “rare” many plant species included on Lists 1A, 1B, 2A, 2B, 3, and 4 of the CNPS Inventory of Rare and Endangered Vascular Plants of California (CNPS, 2022).

Table A-1 in Appendix A includes regionally occurring endangered or rare native plants that may occur in the project area as well as their CNPS rank.

3.3.8 Natural Community Conservation Planning Act

The Natural Community Conservation Planning (NCCP) Act is an effort by the State of California, and numerous private and public partners that is broader in its orientation and objectives than the CESA and FESA (CDFW, 2003). The primary objective of the NCCP Act is to conserve natural communities at the ecosystem scale while accommodating compatible land use. The NCCP Act seeks to anticipate and prevent the controversies and gridlock caused by species listings by focusing on the long-term stability of wildlife and plant communities and including key interests in the process.

3 REGULATORY SETTING

No regionally occurring natural community or associated plan is listed by the state for the project area.

3.4 Local Statutes, Codes, and Policies

3.4.1 Humboldt County Streamside Management Area Ordinance

Riparian and wetland habitats receive protection under Humboldt County's Streamside Management Area Ordinance (SMAO); as defined in Title 3, Section 314-61.1 of the Humboldt County Code (Humboldt County, 2005). Development and work within Streamside Management Areas (SMAs) requires a special permit from the County, if those activities are not exempt.

The purpose of the SMAO is to provide oversight in the use and development of land located within wet areas such as rivers, creeks, springs, and other wetland types. This includes natural resource areas along both sides of streams containing the channel and adjacent land. In areas outside of urban development and expansion areas, SMAs are identified as a 100-foot setback from the stream transition line of perennial streams and 50-foot setback for streams with seasonal intermittent flow. In areas inside of urban development and expansion areas, SMAs are identified as a 50-foot setback from perennial streams and 25-foot setback for streams with seasonal intermittent flow. The stream transition line is defined in the Humboldt County General Plan as, "that line closest to a stream where riparian vegetation is permanently established," which is typically interpreted in riparian areas as the closest rooted tree to the water course (Humboldt County, 1988; Amended 1998).

4 Results

4.1 General Site Conditions

The study area primarily consists of a heavily disturbed agricultural field that has been historically used for agricultural purposes and most recently for quinoa production. Currently it is dominated by non-native grass and forb species. Site hydrology has been historically altered through drainage ditches and culverts installed around the perimeter. Soils are primarily silty clay loam, which have also been altered due to plowing and tilling. Roads border the agricultural fields. Refer to the field investigation photographs and drone imagery provided in Appendices B and C.

The study area is located in a broad alluvial plain within the Humboldt Bay Watershed that drains towards Liscom Slough and Humboldt Bay. According to the County's Web GIS map, the project site is not within a hazard zone identified by the County, including for coastal and dam inundation, tsunami, seismic safety and slope stability, earthquake, fire, or airport (Humboldt County, 2022). The project site is partially within the Federal Emergency Management Agency 100-year Flood Zone (A) (Humboldt County, 2022); however, the project parcels are also identified on the County's Letter of Map Amendment, which means the flood zone mapping has been amended via letter and the designated flood zone for the properties have been corrected to be "Flood Zone X (unshaded)³." (Humboldt County, 2022).

4.2 Special-Status Species

4.2.1 Overview

The potential for special-status species identified in Table A-1 (plants) and Table A-2 (animals) was evaluated within the study area based on the results of the field investigations conducted to detect the presence or absence of each species preferred habitats, the habitat conditions, and other signs that the species may occur. The evaluation was conducted using the following criteria:

³ "An area of minimal flood hazard that is determined to be outside the Special Flood Hazard Area and higher than the elevation of the 0.2-percent-annual-chance (or 500-year) flood."

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- **None.** Species listed as having “none” are those species for which there is no suitable habitat present in the study area (that is, habitats in the study area are unsuitable for the species requirements [for example, elevation, hydrology, plant community, disturbance regime, etc.]).
- **Low.** Species listed as having a “low” potential to occur in the study area are those species for which there is no known record of occurrence in the vicinity, and there is marginal or very limited suitable habitat present within the study area.
- **Moderate.** Species listed as having a “moderate” potential to occur in the study area are those species for which there are known records of occurrence in the vicinity, and there is suitable habitat present in the study area.
- **High.** Species listed as having a “high” potential to occur in the study area are those species for which there are known records of occurrence in the vicinity (there are many records and/or records in close proximity), and there is highly suitable habitat present in the study area.

4.2.2 Special-Status Plant Species

A total of 72 special-status plant species were determined to be regionally occurring based on the results of the literature review. Of the special-status plant species reported in the region, 66 plant species were determined to have a low or no potential to occur in the study area, and the remaining 6 species were determined to have a moderate or high potential to occur (Table A-1). Species with a moderate potential for occurrence within the study area are described below:

Harlequin lotus (*Hosackia gracilis*) is a perennial herb in the Fabaceae family. It is neither State nor federally listed but has a CRPR of 4.2 and a heritage rank of G4/S3. Its elevation range is reported from 0 to 700 meters above sea level. Within its range state-wide, its blooming period is reported as March through July. This species is reported from wetlands, roadsides, and a variety of habitats from coastal scrub to coniferous forests. Although suitable habitat may exist within the study area for this species, it was not detected.

Marsh pea (*Lathyrus palustris*) is a perennial herb in the Fabaceae family. It is neither State nor federally listed but has a CRPR of 2B.2 and a heritage rank of G5/S2. Its elevation range is reported from 2 to 140 meters above sea level. Within its range state-wide, its blooming period is reported as March through August. This species is reported from bogs, fens, lower montane coniferous forest, marsh, swamp, coastal prairie, and coastal scrub. Although suitable habitat may exist within the study area for this species, it was not detected.

Howell's montia (*Montia howellii*) is an annual herb in the Montiaceae family. It is neither State nor federally listed but has a CRPR of 2B.2 and a heritage rank of G3G4/S2. Its elevation range is reported from 0 to 835 meters above sea level. Within its range state-wide, its blooming period is reported as March through May. This species is reported from meadows and seeps, north coast coniferous forests, vernal pools, vernal mesic sites, and sometimes roadsides. Although

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suitable habitat may exist within the study area for this species, it was not detected. A thorough search of this species was conducted during the April 7, 2022 site visit by TransTerra.

Maple-leaved checkerbloom (*Sidalcea malachroides*) is a perennial herb in the Malvaceae family. It is neither State nor federally listed but has a CRPR of 4.2 and a heritage rank of G3/S3. Its elevation range is reported from 0 to 730 meters above sea level. Within its range state-wide, its blooming period is reported as March through August. This species is reported from woodlands, clearings near the coast, and often in disturbed areas. Although suitable habitat may exist within the study area for this species, it was not detected.

Siskiyou checkerbloom (*Sidalcea malviflora* ssp. *patula*) is a perennial herb in the Malvaceae family. It is neither State nor federally listed but has a CRPR of 1B.2 and a heritage rank of G5T2/S2. Its elevation range is reported from 5 to 1,255 meters above sea level. Within its range state-wide, its blooming period is reported as May through August. This species is reported from coastal bluff scrub, coastal prairie, roadcuts and north coast coniferous forests. Although suitable habitat may exist within the study area for this species, it was not detected.

Coast checkerbloom (*Sidalcea oregana* ssp. *eximia*) is a perennial herb in the Malvaceae family. It is neither State nor federally listed but has a CRPR of 1B.2 and a heritage rank of G5T1/S1. Its elevation range is reported from 5 to 1,805 meters above sea level. Within its range state-wide, its blooming period is reported as June through August. This species is reported from meadows, seeps, low montane conifer forests, and in gravelly soil. Although suitable habitat may exist within the study area for this species, it was not detected.

4.2.3 Special-Status Animal Species

Based on a review of special-status animal species, 66 special-status animal species have been reported with the potential to occur in the project region. Due to the minimal natural, undisturbed vegetation or water resources within the study area, many of the regionally occurring special-status species are not likely to utilize the available habitat. Of the 66 special-status animal species potentially occurring in the region, 51 animal species are considered to have a no or low potential to occur at the project site and 15 species have a moderate to high potential to occur (Table A-2). Species with a moderate or high potential for occurrence within the study area are described below. Field investigations particularly focused on determining presence or potential use of the study area by these species.

Amphibians

Northern red-legged frog (*Rana aurora*) is an amphibian in the Ranidae family. Reported habitats include Klamath and north coast flowing waters and riparian forests, usually near dense riparian cover. It is generally found near permanent water but is sometimes found far from water in damp woods and meadows during the non-breeding season (May to November). The species is not federally or state listed but is a CDFW Species of Concern. Suitable dispersal habitat for this species exists within and around the wetland identified in the study area and potential breeding habitat exists in the drainage along the western boundary of the study area,

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although it was not detected. Recommendations to address the potential for impacts to northern red-legged frog are included in Section 5.

Birds

Cooper's hawk (*Accipiter cooperii*) occurs in woodlands, riparian forest, chiefly of open, interrupted, or marginal type. Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river floodplains; also, live oaks. This species builds stick platform nests lined with bark in crotches of riparian deciduous trees and second-growth conifers near streams. The species is not federally or state listed but is on the CDFW Watchlist. Foraging habitat for this species exists in the study area and adjacent to the study area, although it was not detected.

Sharp-shinned hawk (*Accipiter striatus*) can be found in ponderosa pine, black oak, riparian deciduous, mixed conifer, Jeffrey pine habitats, and prefers riparian areas. North-facing slopes with plucking perches are critical requirements. Nests are usually within 275 feet of water. The species is not federally or state listed but is on the CDFW Watchlist. Foraging habitat for this species exists in the study area and adjacent to the study area, although the species was not detected.

Great egret (*Ardea alba*) is a colonial nester in large trees. Rookery sites are located near marshes, tide flats, irrigated pastures, and margins of rivers and lakes. This species is most often found foraging around water, including wet fields and grassy meadows near water. The species is not federally or state listed but is classified as Sensitive by CDFW. Potential foraging habitat exists for this species within the study area during the wet season, although the species was not detected.

Great blue heron (*Ardea herodias*) is a colonial nester in tall trees, cliffsides, and sequestered spots on marshes. Rookery sites in close proximity to foraging areas: marshes, lake margins, tide-flats, rivers and streams, wet meadows. This species is most often found foraging near or in water, or in grassy fields near water. The species is not federally or state listed but is classified as Sensitive by CDFW. Potential foraging habitat exists for this species within the study area during the wet season, although the species was not detected.

Short-eared owl (*Asio flammeus*) lives in large, open areas with low vegetation including grasslands, savannah, marshes, and agricultural areas. They can be seen during the day and make their nests on the ground. The species is not federally or state listed but is a CDFW Species of Concern. Suitable foraging and potential nesting habitat exist for this species within the study area, although the species was not detected.

Vaux's swift (*Chaetura vauxi*) typically nests in tree cavities and forages in the air over streams and standing water that support invertebrates. The species is not federally or state listed but is a CDFW Species of Concern. Potential aerial foraging habitat exists within the study area for this species, although the species was not detected.

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Northern harrier (*Circus cyaneus*) is most common in large undisturbed tracts of wetlands and grasslands with low, thick vegetation during the breeding season. In winter, they use a wider range of habitat types with low vegetation including sand dunes, deserts, pastures, and croplands. The species is not federally or state listed but is a CDFW Species of Concern. Winter foraging habitat exists for this species within the study area, although the species was not detected.

Snowy egret (*Egretta thula*) nests in colonies in isolated areas, often near water. They forage in marshes and estuaries, grassy ponds, pools, and wet fields. The species is not federally or state listed or ranked by CDFW. Potential foraging habitat exists for this species within the study area during the wet season, although the species was not detected.

White-tailed kite (*Elanus leucurus*) can be found in foothills, valleys, and river bottomlands and marshes. They typically use open grasslands for foraging and nest in densely-topped trees. The species is not federally or state listed but is a CDFW Full Protected species. Potential foraging habitat exists for this species in the study area and nesting habitat adjacent to the study area, although the species was not detected.

Merlin (*Falco columbarius*) nests near forest openings near water and forages typically for smaller birds in the air in open areas. The species is not federally or state listed but is a CDFW Watchlist species. Foraging habitat exists for this species within the study area, although the species was not detected.

American peregrine falcon (*Falco peregrinus anatum*) occupies wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, and human-made structures. Nest consists of a scrape or a depression or ledge in an open site. The species was delisted from the federal and state ESA but is a CDFW Full Protected species. Potential foraging habitat exists within the study area for this species, although the species was not detected.

Bryant's savannah sparrow (*Passerculus sandwichensis alaudinus*) live in grasslands, meadows, and cultivated fields, as well as coastal scrub and estuaries. The species is not federally or state listed but is a CDFW Species of Concern. Foraging and nesting habitat exists for this species within the study area, although the species was not detected.

Fish

None of the fish species listed on the CNDDDB report are considered to have a moderate or high potential to occur within the project area due to the lack of any stream connectivity through the study area.

Insects

Western bumble bee (*Bombus occidentalis*) is an insect in the Apidae family. This species was once common and widespread but has declined precipitously from central California to southern British Columbia, perhaps from disease. The species is not federally or state listed but is a CDFW Sensitive species. There is suitable foraging and nesting habitat available for this species within the study area, although the species was not detected.

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Obscure bumblebee (*Bombus caliginosus*) lives in along coastal areas of the western states in underground burrows or above ground in abandoned bird nests. There is suitable foraging and nesting habitat available for this species within the study area, although the species was not detected.

Mammals

None of the mammal species listed on the CNDDDB report are considered to have a moderate or high potential to occur within the project area due to the lack of suitable habitat available within the study area.

Mollusks

None of the mollusk species listed on the CNDDDB report are considered to have a moderate or high potential to occur within the project area due to the lack of suitable habitat available within the study area.

Reptiles

The only reptile listed on the CNDDDB report was Western Pond Turtle (*Emys marmorata*). The species is not considered to have a moderate or high potential to occur within the study area as no suitable habitat for this species exists within the study area.

4.3 Sensitive Habitats

4.3.1 Sensitive Natural Vegetation Communities

Sensitive natural vegetation communities are habitats that are generally defined by vegetation type and geographical location and are increasingly restricted in abundance and distribution. Recognition of natural communities is an ecosystem-based approach to maintaining biodiversity in California. Holland-type CNDDDB natural communities are habitat for numerous special-status plant and animal species. CDFW no longer updates their tracking of Holland-type CNDDDB natural communities and has since standardized alliance and association-level vegetation nomenclature for California to comply with the National Vegetation Classification System. High quality occurrences of natural communities with heritage ranks of 3 or lower are considered by CDFW to be significant resources and fall under the CEQA Guidelines for addressing impacts. No sensitive natural communities were found within the study area.

4.3.2 Aquatic Resources

The majority of study area was previously delineated for wetlands and other aquatic resources by SHN in 2020 for the approved cannabis cultivation project; however, portions of the study area where proposed solar development would occur were not included (SHN, 2020b). On July 27 and August 4, 2022, TransTerra conducted a delineation of wetlands and other aquatic resources with the remaining portions of the study area to obtain full coverage (TransTerra, 2022a).

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Within the Foster A & B study area, TransTerra identified and delineated the following seasonal wetland (SW) features (TransTerra, 2022a):

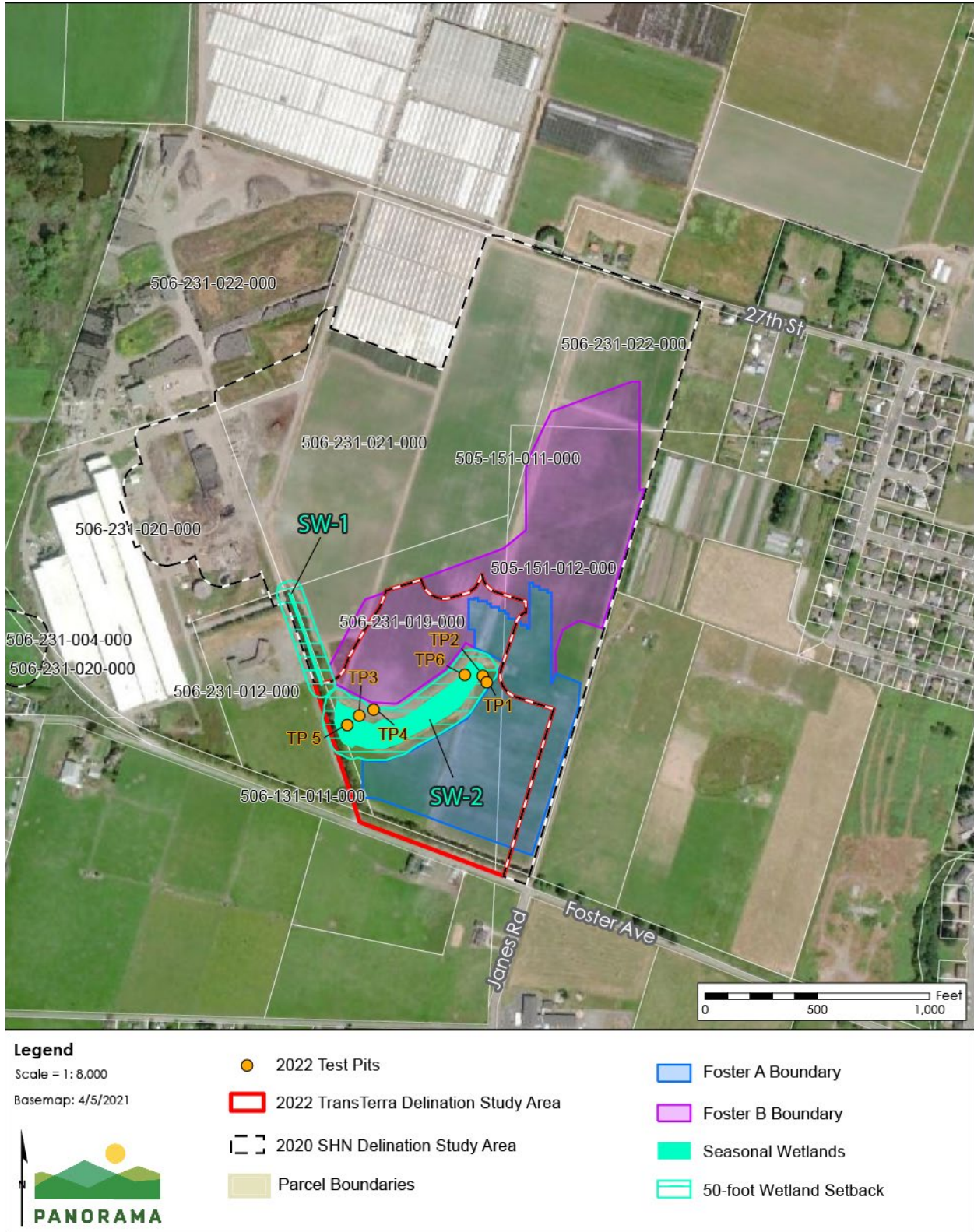
- **SW-1.** SW-1 is a seasonal Palustrine Emergent wetland that is 0.14 acre in size and located immediately west of APN 506-231-019-000 (within APN 506-231-012-000) along a roadside ditch. This same feature was also identified by SHN as their 2020 delineation as Wetland #1 (SHN, 2020b). The mapping and categorization of the feature by TransTerra and SHN are consistent.
- **SW-2.** SW-2 a seasonal Palustrine Emergent wetland that is 1.91 acres in size and is located primarily in APN 506-231-019-000 and extends into APN 505-151-012-000 (TransTerra, 2022a).

No other wetlands, aquatic resources, or riparian habitat was observed in the study area. The seasonal wetlands identified by SHN and TransTerra are identified Figure 4-1.

The project has been designed to avoid direct impacts to the wetlands. In addition, a 50-foot setback buffer has been implemented pursuant to the Humboldt County's SMAO (refer to Section 3.4.1). No project features would be installed within the 50-foot wetland setback (refer to Figure 4-1). Because direct impacts to the wetlands would be avoided, the need for, federal or state permits from USACE, RWQCB, and CDFW are not anticipated.

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Figure 4-1 Seasonal Wetlands within the Study Area



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4.3.3 Nesting Bird Habitat

There is limited nesting habitat for birds within the study area. Some species, such as western meadowlark (*Sturnella neglecta*), may nest in tall grasses. Multiple raptor pellets were observed under the tree line and along the access road on the northern boundary of the study area. These are likely the result of raptors foraging and roosting in the trees along that area. The planted tree line along the southern property boundary consisting of Eucalyptus (*Eucalyptus polyanthemos*) and Western red cedar (*Thuja plicata*) may provide nesting habitat. A large group of Canada geese (*Branta canadensis*) were observed foraging throughout the study area. Recommendations to address the potential for impacts to nesting birds are included in Section 5.

4.3.4 Wildlife Movement Corridors

Watercourses and their associated riparian zones are likely the primary wildlife movement corridors due to their complex structure, providing cover and hiding places from predators, and the extensive connectivity to other habitats the riparian zones typically provide. Additionally, wildlife may use existing roads and trails that provide corridors between patches of vegetation. There are no significant wildlife movement corridors within the parcel, although some animals, especially nocturnal mammals may use the existing and proposed roadways as movement corridors.

4.3.5 Designated Critical Habitat

The USFWS's Critical Habitat Portal was reviewed for habitat within or adjacent to the study area that may be designated as critical for species listed under the FESA. The closest designated critical habitat is for the Tidewater Goby (*Eucyclogobius newberryi*), which is located approximately 1 mile west of the study area at Mad River Slough.

4.4 Invasive Species

Non-native species are often introduced to an area, whether intentionally or unintentionally, by human activities and can have a detrimental effect on native species. The non-native species may be considered invasive if they have no natural predators or other controls in the environment that prevent them from spreading freely and out-competing native species, particularly sensitive species with particular habitat requirements that may change drastically due to the spread of the invasive species. Project activities within an area have the potential to introduce or exacerbate existing invasive species issues.

Invasive species were documented within the study area during field investigations and recorded in Table A-5. The study area undergoes frequent disturbance related to the ongoing agricultural activities. Due to these activities and the existing establishment of invasive species populations, invasive species are expected to remain prevalent.

5 Conclusions and Recommendations

This BRA outlines information related to biological resources that have the potential to occur within the study area. No special-status plants or animals were observed during site visits. Several special-status species have the potential to occur in the study area based on the available habitat. Further, the surrounding landscape may provide suitable habitat for animals that are able to move outside of the project area.

The following protection measures are recommended as mitigation to avoid and/or minimize impacts on biological resources:

- **Measure BR-1: Preconstruction Nesting Bird Surveys.** Construction-related vegetation removal should occur between September and February, which is outside the typical nesting bird season (February through September). If project-related vegetation removal must occur during the breeding season, a preconstruction nesting bird survey shall be conducted by a qualified biologist no more than two weeks prior to project activities. If active nests are found, a suitable no-disturbance buffer zone shall be established by a qualified biologist and determined based on species, nest location, line of sight from the project area, type of planned construction activity, and potential for nest disturbance. Within the buffer zone, no construction shall take place until the chicks have fledged or the biologist determines that the nest is no longer active. In the event that any active nests are discovered, CDFW will be consulted and provided an opportunity to comment on the proposed avoidance buffer distances and protection measures proposed by the qualified biologist.
- **Measure BR-2: Preconstruction Northern Red-Legged Frog Clearance Surveys.** Project construction should occur between May and November, which is outside the breeding season for northern red-legged frog. If construction activities must occur during the breeding season (November to May), preconstruction surveys shall be conducted by a qualified biologist no more than two weeks prior to project activities. If northern red-legged frogs are detected during the breeding season, CDFW will be consulted to determine either a suitable buffer distance or other protective measures.
- **Measure BR-3: Protection of Drainage Ditches.** The project area does contain potential “waters of the United States”, including wetlands protected under the CWA and potential “waters of the state” under the jurisdiction of the RWQCB and CDFW; however, the project will avoid such waters and a 50-foot setback will be implemented in accordance with the County’s Streamside Management Area Ordinance to ensure waters would not be indirectly impacted by any site disturbance related to development of the project.

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APPENDIX A

Appendix A Species Lists

APPENDIX A

Table A-1 Regionally-Occurring Special-Status Plant Species

Scientific Name	Common Name	Federal ESA Status	California ESA Status	CNPS Rank	Habitat Characteristics	Habitat Assessment
<i>Abronia umbellata</i> <i>var. breviflora</i>	pink sand-verbena	None	None	1B.1	Coastal dunes and coastal strand.	Habitat not observed.
<i>Angelica lucida</i>	sea-watch	None	None	4.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Marshes and swamps	Habitat not observed.
<i>Astragalus pycnostachyus</i> <i>var. pycnostachyus</i>	coastal marsh milk-vetch	None	None	1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest	Habitat not observed.
<i>Astragalus rattanii</i> <i>var. rattanii</i>	Rattan's milk-vetch	None	None	4.3	Coastal dunes, marshes and swamps, coastal scrub.	Habitat present (marginal and low probability)
<i>Cardamine angulata</i>	seaside bittercress	None	None	2B.1	North coast coniferous forest, lower montane coniferous forest.	Habitat not observed.
<i>Carex arcta</i>	northern clustered sedge	None	None	2B.2	Bogs and fens, north coast coniferous forest.	Habitat not observed.
<i>Carex lenticularis</i> <i>var. limnophila</i>	lagoon sedge	None	None	2B.2	Bogs and fens, marshes and swamps, north coast coniferous forest.	Habitat not observed.
<i>Carex leptalea</i>	bristle-stalked sedge	None	None	2B.2	Bogs and fens, meadows and seeps, marshes and swamps.	Habitat present.
<i>Carex lyngbyei</i>	Lyngbye's sedge	None	None	2B.2	Marshes and swamps (brackish or freshwater).	Habitat present.
<i>Carex praticola</i>	northern meadow sedge	None	None	2B.2	Meadows and seeps.	Habitat present.
<i>Carex viridula</i> ssp. <i>viridula</i>	green yellow sedge	None	None	2B.3	Bogs and fens, marshes and swamps (freshwater), north coast coniferous forest.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CNPS Rank	Habitat Characteristics	Habitat Assessment
<i>Castilleja ambigua</i> var. <i>humboldtiensis</i>	Humboldt Bay owl's-clover	None	None	1B.2	Marshes and swamps.	Habitat not observed.
<i>Castilleja litoralis</i>	Oregon coast paintbrush	None	None	2B.2	Coastal bluff scrub, coastal dunes, coastal scrub.	Habitat not observed.
<i>Castilleja mendocinensis</i>	Mendocino Coast paintbrush	None	None	1B.2	Coastal bluff scrub, coastal scrub, coastal prairie, closed-cone coniferous forest, coastal dunes.	Habitat not observed.
<i>Chloropyron maritimum</i> ssp. <i>palustre</i>	Point Reyes salty bird's-beak	None	None	1B.2	Coastal salt marsh.	Habitat not observed.
<i>Chrysosplenium glechomifolium</i>	Pacific golden saxifrage	None	None	4.3	North Coast coniferous forest, Riparian forest	Habitat present (marginal and low probability)
<i>Collinsia corymbosa</i>	round-headed Chinese-houses	None	None	1B.2	Coastal dunes.	Habitat not observed.
<i>Coptis laciniata</i>	Oregon goldthread	None	None	4.2	North coast coniferous forest, meadows and seeps.	Habitat present (marginal and low probability)
<i>Discelium nudum</i>	naked flag moss	None	None	2B.2	Coastal bluff scrub.	Habitat not observed.
<i>Empetrum nigrum</i>	black crowberry	None	None	2B.2	Coastal bluff scrub, coastal prairie.	Habitat not observed.
<i>Erysimum menziesii</i>	Menzies' wallflower	Endangered	Endangered	1B.1	Coastal dunes.	Habitat not observed.
<i>Erythronium oregonum</i>	giant fawn lily	None	None	2B.2	Cismontane woodland, meadows and seeps.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CNPS Rank	Habitat Characteristics	Habitat Assessment
<i>Erythronium revolutum</i>	coast fawn lily	None	None	2B.2	Bogs and fens, broadleaved upland forest, north coast coniferous forest.	Habitat present (marginal and low probability)
<i>Fissidens pauperculus</i>	minute pocket moss	None	None	1B.2	North coast coniferous forest.	Habitat present (marginal and low probability)
<i>Gilia capitata ssp. pacifica</i>	Pacific gilia	None	None	1B.2	Coastal bluff scrub, chaparral, coastal prairie, valley and foothill grassland.	Habitat not observed.
<i>Gilia millefoliata</i>	dark-eyed gilia	None	None	1B.2	Coastal dunes.	Habitat not observed.
<i>Hesperevax sparsiflora var. brevifolia</i>	short-leaved evax	None	None	1B.2	Coastal bluff scrub, coastal dunes, coastal prairie.	Habitat not observed.
<i>Hosackia gracilis</i>	Harlequin lotus	None	None	4.2	Broadleaved upland forest, Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Meadows and seeps, North Coast coniferous forest, Valley and foothill grassland.	Habitat present
<i>Iliamna latibracteata</i>	California globe mallow	None	None	1B.2	North coast coniferous forest, chaparral, lower montane coniferous forest, riparian scrub (streambanks).	Habitat present (marginal and low probability)
<i>Juncus nevadensis var. inventus</i>	Sierra rush	None	None	2B.2	Bogs and fens.	Habitat present (marginal and low probability)
<i>Lasthenia californica ssp. macrantha</i>	perennial goldfields	None	None	1B.2	Coastal bluff scrub, coastal dunes, coastal scrub.	Habitat present (marginal and low probability)
<i>Lathyrus glandulosus</i>	sticky pea	None	None	4.3	Cismontane woodland.	Habitat present (marginal and low probability)

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CNPS Rank	Habitat Characteristics	Habitat Assessment
<i>Lathyrus japonicus</i>	seaside pea	None	None	2B.1	Coastal dunes.	Habitat not observed.
<i>Lathyrus palustris</i>	marsh pea	None	None	2B.2	Coastal dunes, coastal scrub.	Habitat present
<i>Layia carnosa</i>	beach layia	Endangered	Endangered	1B.1	Coastal scrub, freshwater marsh, bogs and fens, coastal bluff scrub, coastal prairie, north coast coniferous forest, marshes and swamps.	Habitat present (marginal and low probability)
<i>Lilium occidentale</i>	western lily	Endangered	Endangered	1B.1	Coastal scrub, freshwater marsh, bogs and fens, coastal bluff scrub, coastal prairie, north coast coniferous forest, marshes and swamps.	Habitat not observed.
<i>Listera cordata</i>	heart-leaved twayblade	None	None	4.2	Bogs and fens, Lower montane coniferous forest, North Coast coniferous forest.	Habitat not observed.
<i>Lycopodiella inundata</i>	inundated bog-clubmoss	None	None	2B.2	Bogs and fens, lower montane coniferous forest, marshes and swamps.	Habitat not observed.
<i>Lycopodium clavatum</i>	running-pine	None	None	4.1	Lower montane coniferous forest, north coast coniferous forest, marshes and swamps.	Habitat present (marginal and low probability)
<i>Mitellastracaulescens</i>	leafy-stemmed mitrewort	None	None	4.2	Broadleaved upland forest, lower montane coniferous forest, meadows and seeps, north coast coniferous forest.	Habitat present (marginal and low probability).
<i>Monotropa uniflora</i>	ghost-pipe	None	None	2B.2	Broadleaved upland forest, north coast coniferous forest.	Habitat not observed.
<i>Montia howellii</i>	Howell's montia	None	None	2B.2	Meadows and seeps, north coast coniferous forest, vernal pools.	Habitat present.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CNPS Rank	Habitat Characteristics	Habitat Assessment
<i>Northern Coastal Salt Marsh</i>	Northern Coastal Salt Marsh	None	None	--	n/a	Habitat not observed.
<i>Northern Foredune Grassland</i>	Northern Foredune Grassland	None	None	--	n/a	Habitat not observed.
<i>Oenothera wolfii</i>	Wolf's evening-primrose	None	None	1B.1	Coastal bluff scrub, coastal dunes, coastal prairie, lower montane coniferous forest.	Habitat not observed.
<i>Packera bolanderi</i> var. <i>bolanderi</i>	seacoast ragwort	None	None	2B.2	Coastal scrub, north coast coniferous forest.	Habitat present (marginal and low probability).
<i>Piperia candida</i>	white-flowered rein orchid	None	None	1B.2	North Coast coniferous forest, lower montane coniferous forest, broadleafed upland forest.	Habitat not observed.
<i>Pityopus californicus</i>	California pinefoot	None	None	4.2	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest, Upper montane coniferous forest.	Habitat not observed.
<i>Pleuropogon refractus</i>	nodding semaphore grass	None	None	4.2	Lower montane coniferous forest, Meadows and seeps, North Coast coniferous forest, Riparian forest.	Habitat present (marginal and low probability)
<i>Polemonium carneum</i>	Oregon polemonium	None	None	2B.2	Coastal prairie, coastal scrub, lower montane coniferous forest.	Habitat present (marginal and low probability).
<i>Ribes laxiflorum</i>	trailing black currant	None	None	4.3	North Coast coniferous forest.	Habitat not observed.
<i>Romanzoffia tracyi</i>	Tracy's romanzoffia	None	None	2B.3	Coastal bluff scrub, coastal scrub.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CNPS Rank	Habitat Characteristics	Habitat Assessment
<i>Sidalcea malachroides</i>	maple-leaved checkerbloom	None	None	4.2	Broadleaved upland forest, coastal prairie, coastal scrub, north coast coniferous forest, riparian forest.	Habitat present.
<i>Sidalcea malviflora ssp. patula</i>	Siskiyou checkerbloom	None	None	1B.2	Coastal bluff scrub, coastal prairie, north coast coniferous forest.	Habitat present.
<i>Sidalcea oregana ssp. eximia</i>	coast checkerbloom	None	None	1B.2	Meadows and seeps, north coast coniferous forest, lower montane coniferous forest.	Habitat not observed.
<i>Silene scouleri ssp. scouleri</i>	Scouler's catchfly	None	None	2B.2	Coastal bluff scrub, coastal prairie, valley and foothill grassland.	Habitat not observed.
<i>Sitka Spruce Forest</i>	Sitka Spruce Forest	None	None	--	n/a	Habitat not observed.
<i>Spergularia canadensis var. occidentalis</i>	western sand-spurrey	None	None	2B.1	Marshes and swamps (coastal salt marshes).	Habitat not observed.
<i>Sphagnum Bog</i>	Sphagnum Bog	None	None	--	n/a	Habitat not observed.
<i>Sulcaria spiralifera</i>	twisted horsehair lichen	None	None	1B.2	North Coast coniferous forest (immediate coast), coastal dunes.	Habitat not observed.
<i>Trichodon cylindricus</i>	cylindrical trichodon	None	None	2B.2	Broadleaved upland forest, upper montane coniferous forest, meadows and seeps.	Habitat present (marginal and low probability)
<i>Usnea longissima</i>	Methuselah's beard lichen	None	None	4.2	North coast coniferous forest, broadleaved upland forest.	Habitat not observed.
<i>Viola palustris</i>	alpine marsh violet	None	None	2B.2	Coastal scrub, bogs and fens.	Habitat present (marginal and low probability)

Source: (CDFW, 2022a; CNPS, 2022)

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Table A-2 Regionally-Occurring Special-status Animal Species

Scientific Name	Common Name	Federal ESA Status	California ESA Status	CDFW Status	Habitat Characteristics	Habitat Assessment
Birds						
<i>Accipiter cooperii</i>	Cooper's hawk	None	None	--	Woodland, chiefly of open, interrupted or marginal type.	Habitat present.
<i>Ardea alba</i>	great egret	None	None	--	Colonial nester in large trees.	Habitat present.
<i>Ardea herodias</i>	great blue heron	None	None	--	Colonial nester in tall trees, cliffsides, and sequestered spots on marshes.	Habitat present.
<i>Cerorhinca monocerata</i>	rhinoceros auklet	None	None	--	Off-shore islands and rocks along the California coast.	Habitat not observed.
<i>Charadrius montanus</i>	mountain plover	None	None	SCC	Short grasslands, freshly plowed fields, newly sprouting grain fields, and sometimes sod farms.	Habitat not observed.
<i>Charadrius nivosus nivosus</i>	western snowy plover	Threatened	None	SCC	Sandy beaches, salt pond levees and shores of large alkali lakes.	Habitat not observed.
<i>Circus hudsonius</i>	northern harrier	None	None	SCC	Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas.	Habitat present.
<i>Coturnicops noveboracensis</i>	yellow rail	None	None	SCC	Summer resident in eastern Sierra Nevada in Mono County.	Habitat not observed.
<i>Egretta thula</i>	snowy egret	None	None	--	Colonial nester, with nest sites situated in protected beds of dense tules.	Habitat present.
<i>Elanus leucurus</i>	white-tailed kite	None	None	FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland.	Habitat present.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CDFW Status	Habitat Characteristics	Habitat Assessment
<i>Fratercula cirrhata</i>	tufted puffin	None	None	SCC	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures.	Habitat not observed
<i>Haliaeetus leucocephalus</i>	bald eagle	Delisted	Endangered	FP	Open-ocean bird; nests along the coast on islands, islets, or (rarely) mainland cliffs.	Habitat present (marginal and low probability)
<i>Hydrobates furcatus</i>	fork-tailed storm-petrel	None	None	SCC	Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water.	Habitat not observed
<i>Nannopterum auritum</i>	double-crested cormorant	None	None	WL	Colonial nester on small, offshore islets. Forages over the open ocean, usually well off-shore.	Habitat not observed.
<i>Nycticorax nycticorax</i>	black-crowned night heron	None	None	--	Colonial nester on coastal cliffs, offshore islands, and along lake margins in the interior of the state.	Habitat present (marginal and low probability)
<i>Pandion haliaetus</i>	osprey	None	None	WL	Colonial nester, usually in trees, occasionally in tule patches.	Habitat present.
<i>Rallus obsoletus obsoletus</i>	California Ridgway's rail	Endangered	Endangered	FP	Ocean shore, bays, freshwater lakes, and larger streams.	Habitat not observed.
<i>Riparia riparia</i>	bank swallow	None	Threatened	--	Salt water and brackish marshes traversed by tidal sloughs in the vicinity of San Francisco Bay.	Habitat not observed.
Mammals						
<i>Aplodontia rufa humboldtiana</i>	Humboldt mountain beaver	None	None	--	Coast Range in southwestern Del Norte County and northwestern Humboldt County.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CDFW Status	Habitat Characteristics	Habitat Assessment
<i>Arborimus albipes</i>	white-footed vole	None	None	SCC	Mature coastal forests in Humboldt and Del Norte counties. Prefers areas near small, clear streams with dense alder and shrubs.	Habitat not observed.
<i>Arborimus pomo</i>	Sonoma tree vole	None	None	SCC	North coast fog belt from Oregon border to Sonoma County. In Douglas-fir, redwood and montane hardwood-conifer forests.	Habitat not observed.
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	None	None	SCC	Throughout California in a wide variety of habitats. Most common in mesic sites.	Habitat not observed.
<i>Erethizon dorsatum</i>	North American porcupine	None	None	--	Forested habitats in the Sierra Nevada, Cascade, and Coast ranges, with scattered observations from forested areas in the Transverse Ranges.	Habitat not observed.
<i>Eumetopias jubatus</i>	Steller sea lion	Delisted	None	--	Breeds on Ano Nuevo, San Miguel and Farallon islands, Point St. George, and Sugarloaf. Hauls-out on islands and rocks.	Habitat not observed.
<i>Myotis evotis</i>	long-eared myotis	None	None	--	Found in all brush, woodland and forest habitats from sea level to about 9000 ft. Prefers coniferous woodlands and forests.	Habitat not observed.
<i>Pekania pennanti</i>	Fisher	None	None	SCC	Intermediate to large-tree stages of coniferous forests and deciduous-riparian areas with high percent canopy closure.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CDFW Status	Habitat Characteristics	Habitat Assessment
Amphibians						
<i>Emys marmorata</i>	western pond turtle	None	None	SCC	Occurs in montane hardwood-conifer, redwood, Douglas-fir and ponderosa pine habitats.	Habitat not observed.
<i>Ascaphus truei</i>	Pacific tailed frog	None	None	SCC	Old-growth associated species with optimum conditions in the mixed conifer/hardwood ancient forest ecosystem.	Habitat not observed.
<i>Plethodon elongatus</i>	Del Norte salamander	None	None	WL	Humid forests, woodlands, grasslands, and streamsides in northwestern California, usually near dense riparian cover.	Habitat not observed
<i>Rana aurora</i>	northern red-legged frog	None	None	SCC	Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats.	Habitat present.
<i>Rana boylei</i>	foothill yellow-legged frog	None	Endangered	SCC	Coastal redwood, Douglas-fir, mixed conifer, montane riparian, and montane hardwood-conifer habitats. Old growth forest.	Habitat not observed.
<i>Rhyacotriton variegatus</i>	southern torrent salamander	None	None	SCC	Occurs in montane hardwood-conifer, redwood, Douglas-fir and ponderosa pine habitats.	Habitat not observed.
Insects						
<i>Bombus caliginosus</i>	obscure bumble bee	None	None	--	Coastal areas from Santa Barbara County to north to Washington state.	Habitat present.
<i>Bombus crotchii</i>	Crotch bumble bee	None	None	--	Coastal California east to the Sierra-Cascade crest and south into Mexico.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CDFW Status	Habitat Characteristics	Habitat Assessment
<i>Bombus occidentalis</i>	western bumble bee	None	None	--	Once common and widespread, species has declined precipitously from central CA to southern B.C., perhaps from disease.	Habitat present.
<i>Cicindela hirticollis gravida</i>	sandy beach tiger beetle	None	None	--	Inhabits areas adjacent to non-brackish water along the coast of California from San Francisco Bay to northern Mexico.	Habitat not observed.
<i>Scaphinotus behrensi</i>	Behrens' snail-eating beetle	None	None	--	Found in extreme NW CA along the coast.	Habitat not observed.
Fish						
<i>Acipenser medirostris</i>	green sturgeon	None	None	SCC	Spawning site fidelity. Spawns in the Sacramento, Feather and Yuba Rivers. Presence in upper Stanislaus and San Joaquin Rivers may indicate spawning. Non-spawning adults occupy marine/estuarine waters. Delta Estuary is important for rearing juveniles.	Habitat not observed.
<i>Entosphenus tridentatus</i>	Pacific lamprey	None	None	SCC	Found in Pacific Coast streams north of San Luis Obispo County, however regular runs in Santa Clara River. Size of runs is declining.	Habitat not observed.
<i>Eucyclogobius newberryi</i>	tidewater goby	Endangered	None	--	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County to the mouth of the Smith River.	Habitat not observed.
<i>Lampetra richardsoni</i>	western brook lamprey	None	None	SCC	Habitat not listed in CNDDDB. Associated with rivers.	Habitat not observed.

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Scientific Name	Common Name	Federal ESA Status	California ESA Status	CDFW Status	Habitat Characteristics	Habitat Assessment
<i>Oncorhynchus clarkii clarkii</i>	coast cutthroat trout	None	None	SCC	Small coastal streams from the Eel River to the Oregon border.	Habitat not observed.
<i>Oncorhynchus kisutch pop. 2</i>	coho salmon - southern Oregon / northern California ESU	Threatened	Threatened	--	Federal listing refers to populations between Cape Blanco, Oregon and Punta Gorda, Humboldt County, California.	Habitat not observed.
<i>Oncorhynchus mykiss irideus pop. 16</i>	steelhead - northern California DPS	Threatened	None	--	Coastal basins from Redwood Creek south to the Gualala River, inclusive.	Habitat not observed.
<i>Oncorhynchus mykiss irideus pop. 36</i>	summer-run steelhead trout	None	Candidate Endangered	SCC	No. Calif coastal streams south to Middle Fork Eel River. Within range of Klamath Mtns province DPS and No. Calif DPS.	Habitat not observed.
<i>Spirinchus thaleichthys</i>	longfin smelt	Candidate	Threatened	--	Euryhaline, nektonic and anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column.	Habitat not observed.
<i>Thaleichthys pacificus</i>	eulachon	Threatened	None	--	Found in Klamath River, Mad River, Redwood Creek, and in small numbers in Smith River and Humboldt Bay tributaries.	Habitat not observed.
Mollusks						
<i>Anodonta californiensis</i>	California floater	None	None	--	Freshwater lakes and slow-moving streams and rivers. Taxonomy under review by specialists.	Habitat not observed.
<i>Margaritifera falcata</i>	western pearlshell	None	None	--	Aquatic.	Habitat not observed.

Source: (CNDDDB 2022)

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Table A-3 Plant Species Observed During Field Investigations

Scientific Name	Common Name	Origin	WMVC Wetland Indicator 2018	Special-Status?
Herb Layer				
<i>Agrostis stolonifera</i>	Creeping bent	Invasive	FAC	No
<i>Alopecurus pratensis</i>	Meadow foxtail	Introduced	FAC	No
<i>Anthoxanthum odoratum</i>	Sweet vernal grass	Invasive	FACU	No
<i>Arrhenatherum elatius</i>	Tall oat grass	Introduced	UPL	No
<i>Avena barbata</i>	Slender wild oat	Invasive	UPL	No
<i>Avena sativa</i>	Cultivated oat	Introduced	UPL	No
<i>Brassica nigra</i>	Black mustard	Invasive	NL	No
<i>Brassica rapa</i>	Field mustard	Invasive	FACU	No
<i>Briza minor</i>	Small quaking grass	Introduced	FACU	No
<i>Bromus carinatus var. carinatus</i>	California brome	Native	UPL	No
<i>Cirsium vulgare</i>	Bull thistle	Invasive	FACU	No
<i>Conium maculatum</i>	Poison hemlock	Invasive	FAC	No
<i>Convolvulus arvensis</i>	Field bindweed	Introduced	UPL	No
<i>Cortaderia selloana</i>	Pampas grass	Invasive	FACU	No
<i>Crepis capillaris</i>	Smooth hawksbeard	Introduced	FACU	No
<i>Cyperus eragrostis</i>	Tall flat-sedge	Native	FACW	No
<i>Dactylis glomerata</i>	Orchard grass	Invasive	FACU	No
<i>Daucus carota</i>	Queen Anne's lace	Introduced	FACU	No
<i>Dipsacus fullonum</i>	Wild teasel	Invasive	FAC	No

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Scientific Name	Common Name	Origin	WMVC Wetland Indicator 2018	Special-Status?
<i>Epilobium ciliatum</i> subsp. <i>watsonii</i>	Watson's willowherb	Native	FACW	No
<i>Equisetum arvense</i>	Common horsetail	Native	FAC	No
<i>Festuca perennis</i>	Italian rye grass	Invasive	UPL	No
<i>Galium aparine</i>	Goose grass	Native	FACU	No
<i>Geranium dissectum</i>	Cut-leaved geranium	Invasive	UPL	No
<i>Hedera helix</i>	English ivy	Invasive	FACU	No
<i>Helminthotheca echioides</i>	Bristly ox-tongue	Invasive	FAC	No
<i>Holcus lanatus</i>	Common velvet grass	Invasive	FAC	No
<i>Hypochaeris radicata</i>	Rough cat's-ear	Invasive	FACU	No
<i>Juncus effusus</i> subsp. <i>pacificus</i>	Pacific rush	Native	FACW	No
<i>Leontodon saxatilis</i>	Hairy hawkbit	Introduced	FACU	No
<i>Lotus corniculatus</i>	Bird's-foot treefoil	Introduced	FAC	No
<i>Lupinus rivularis</i>	Riverbank lupine	Native	FAC	No
<i>Lysimachia arvensis</i>	Scarlet pimpernel	Introduced	UPL	No
<i>Lythrum hyssopifolia</i>	Hyssop loosestrife	Invasive	UPL	No
<i>Malva parviflora</i>	Cheeseweed	Introduced	NOL	No
<i>Medicago polymorpha</i>	California burclover	Invasive	FACU	No
<i>Parentucellia viscosa</i>	Yellow parentucellia	Invasive	FAC	No
<i>Plantago lanceolata</i>	English plantain	Invasive	FACU	No
<i>Plantago major</i>	Common plantain	Introduced	FAC	No

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Scientific Name	Common Name	Origin	WMVC Wetland Indicator 2018	Special-Status?
<i>Pseudognaphalium luteoalbum</i>	Weedy cudweed	Introduced	FACW	No
<i>Ranunculus repens</i>	Creeping buttercup	Invasive	FACW	No
<i>Raphanus raphanistrum</i>	Jointed sharlock	Introduced	NOL	No
<i>Raphanus sativus</i>	Wild radish	Invasive	UPL	No
<i>Rorippa curvisiliqua</i>	Western yellow cress	Native	OBL	No
<i>Rumex acetosella</i>	Sheep sorrel	Invasive	FACU	No
<i>Rumex crispus</i>	Curly dock	Invasive	FAC	No
<i>Senecio vulgaris</i>	Common groundsel	Introduced	FACU	No
<i>Sonchus oleraceus</i>	Common sow thistle	Introduced	UPL	No
<i>Spergularia rubra</i>	Red sand-spurry	Introduced	FAC	No
<i>Symphyotrichum chilense.</i>	Pacific aster	Native	FAC	No
<i>Taraxacum officinale</i>	Common dandelion	Introduced	FACU	No
<i>Trifolium fragiferum</i>	Strawberry clover	Introduced	FACU	No
<i>Trifolium pratense</i>	Red clover	Introduced	FACU	No
<i>Trifolium repens</i>	White clover	Introduced	FAC	No
<i>Typha latifolia.</i>	Broadleaf cattail	Native	OBL	No
<i>Veronica persica</i>	Persian speedwell	Introduced	UPL	No
<i>Vicia sativa</i> subsp. <i>sativa</i>	Spring vetch	Introduced	UPL	No
<i>Vicia tetrasperma</i>	Sparrow vetch	Introduced	UPL	No
Shrub Layer				

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Scientific Name	Common Name	Origin	WMVC Wetland Indicator 2018	Special-Status?
<i>Baccharis pilularis</i>	Coyote brush	Native	UPL	No
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	Invasive	UPL	No
<i>Rosa nutkana</i>	Nootka Rose	Native	FAC	No
<i>Rubus armeniacus</i>	Himalayan blackberry	Invasive	FACU	No
<i>Rubus ursinus</i>	California blackberry	Native	FACU	No
Tree Layer				
<i>Eucalyptus pulverulenta</i>	Money tree	Introduced	NOL	No
<i>Pittosporum tenuifolium</i>	Short leaf box	Invasive	NOL	No
<i>Salix hookeriana</i>	Coastal willow	Native	FACW	No
<i>Salix lasiolepis</i>	Arroyo willow	Native	FACW	No
<i>Thuja plicata</i>	Western red cedar	Native	FAC	No

Table A-4 Animal Species Observed During Field Investigations

Scientific Name	Common Name	Special-Status?
Birds		
<i>Branta canadensis</i>	Canada goose	No; Protected by MBTA
<i>Corvus corax</i>	Common raven	No; Protected by MBTA
<i>Hirundo rustica</i>	Barn swallow	No; Protected by MBTA
<i>Melospiza melodia</i>	Song sparrow	No; Protected by MBTA
<i>Numenius phaeopus</i>	Whimbrel	No; Protected by MBTA

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Scientific Name	Common Name	Special-Status?
Mammals		
<i>Thomomys bottae</i>	Botta's pocket gopher	No
Amphibians		
<i>Pseudacris regilla</i>	Northern Pacific treefrog	No

Table A-5 Invasive Species Observed During Field Investigations

Scientific Name	Common Name	Cal-IPC Rating
Herb Layer		
<i>Agrostis stolonifera</i>	Creeping bent	Limited
<i>Anthoxanthum odoratum</i>	Sweet vernal grass	Moderate
<i>Avena barbata</i>	Slender wild oat	Moderate
<i>Brassica nigra</i>	Black mustard	Moderate
<i>Brassica rapa</i>	Field mustard	Limited
<i>Cirsium vulgare</i>	Bull thistle	Moderate
<i>Conium maculatum</i>	Poison hemlock	Moderate
<i>Cortaderia selloana</i>	Pampas grass	High
<i>Dactylis glomerata</i>	Orchard grass	Limited
<i>Dipsacus fullonum</i>	Wild teasel	Moderate
<i>Festuca perennis</i>	Italian rye grass	Moderate
<i>Geranium dissectum</i>	Cut-leaved geranium	Moderate
<i>Hedera helix</i>	English ivy	High

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Scientific Name	Common Name	Cal-IPC Rating
<i>Helminthotheca echioides</i>	Bristly ox-tongue	Limited
<i>Holcus lanatus</i>	Common velvet grass	Moderate
<i>Hypochaeris radicata</i>	Rough cat's-ear	Moderate
<i>Lythrum hyssopifolia</i>	Hyssop loosestrife	Moderate
<i>Medicago polymorpha</i>	California burclover	Limited
<i>Parentucellia viscosa</i>	Yellow parentucellia	Limited
<i>Plantago lanceolata</i>	English plantain	Limited
<i>Ranunculus repens</i>	Creeping buttercup	Limited
<i>Raphanus sativus</i>	Wild radish	Limited
<i>Rumex acetosella</i>	Sheep sorrel	Moderate
<i>Rumex crispus</i>	Curly dock	Limited
Shrub Layer		
<i>Cotoneaster franchetii</i>	Franchet's cotoneaster	Moderate
<i>Rubus armeniacus</i>	Himalayan blackberry	High
Tree Layer		
<i>Pittosporum tenuifolium</i>	Short leaf box	High

APPENDIX B

Appendix B Field Investigation Photographs

APPENDIX B



Photo 1. July 27, 2022. Northeast edge of wetland.



Photo 2. July 27, 2022. Raptor pellet.

APPENDIX B



Photo 3. July 27, 2022. Typical pasture habitat.



Photo 4. July 27, 2022. Grazing by Canada geese.

APPENDIX B



Photo 5. July 27, 2022. View from southeast corner of project area.

APPENDIX C

Appendix C Low Flying Drone Imagery

APPENDIX C

Drone Image 1 – North (April 15, 2021)



Drone Image 2 – East (April 15, 2021)



APPENDIX C

Drone Image 3 – South (April 15, 2021)



Drone Image 4 – Southwest (April 15, 2021)



APPENDIX C

Drone Image 5 – Southwest-West (June 10, 2021)



Drone Image 6 – East (June 10, 2021)



APPENDIX C

Drone Image 7 – Southwest (June 10, 2021)





TransTerra Consulting

INTEGRATED ENVIRONMENTAL SERVICES

Jurisdictional Wetland Delineation Report

Foster Clean Power A & B Project

November 2022



Prepared by:
TransTerra Consulting LLC
791 8th Street
Arcata, CA 95521
Contact: Tamara Camper
(707) 840-4772

EXECUTIVE SUMMARY

The purpose of this report is to provide an assessment of the type and extent of jurisdictional wetlands and waters that may be affected by the proposed Foster Clean Power A & B Project (Project). In June 2020, SHN prepared a Biological Resource Assessment and a Wetland and Other Waters Delineation Report for a cannabis cultivation project on the same properties as the proposed Project that was subsequently approved by Humboldt County. In August 2022, TransTerra prepared a Biological Resources Assessment for the Project. This report was subsequently prepared to identify and delineate jurisdictional resources that occur within areas of the Project study area that were not previously delineated by SHN. The presence and absence of jurisdictional resources that were evaluated include the following:

- Wetlands and non-wetland “waters of the U.S.” regulated by the U.S. Army Corps of Engineers (USACE);
- “Waters of the State” regulated by the North Coast Regional Water Quality Control Board (NCRWQCB); and
- The bed, bank, and channel of all lakes, rivers, and/or streams (and associated riparian vegetation), as regulated by the California Department of Fish and Wildlife (CDFW).

The jurisdictional delineation work was performed by Holly Vadurro and Kale McNeil of TransTerra Consulting on July 27 and August 4, 2022, using the USACE Regional Supplement to the Corps of the Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0). Wetland features were identified based on the USACE’s three-parameter approach in which wetlands are defined by the presence of hydrophytic vegetation, hydric soils, and presence of wetland hydrology indicators.

The 2020 SHN jurisdictional delineation study area was approximately 73.5 acres in total and included portions of the Project site and several adjacent properties¹; two wetlands were identified within the SHN study area, one of which is within the Project study area and measured 0.12 acre in size. The 2022 TransTerra jurisdictional delineation study area was approximately 20.9 acres and included portions of the two Project properties where proposed solar development would occur and the area along Foster Ave that were not included in the SHN study area². TransTerra identified and delineated two seasonal Palustrine Emergent wetlands, approximately 1.91 acres and 0.14 acre in size. The smaller of the two wetlands was the same feature identified by SHN so it was re-delineated, ultimately increasing its size by

¹ Note the APN numbers identified in the SHN for the properties delineated are not consistent with the County’s GIS Parcel Map (10.3) for the study subject area. According to the SHN report description, portions of the following properties were included in the study area: APNs 503-231-004, 505-151-003, 505-151-004, 506-231-010, 506-231-011, and 507-181-007; however, the current available County parcel data and GIS web map indicate the SHN study area included portions of the following properties: APNs 505-151-005-000, 505-151-011-000, 505-151-012-000, 506-231-004-000, 506-231-012-000, 506-231-019-000, 506-231-020-000, 506-231-021-000, and 506-231-022-000.

² The TransTerra study area included portions of APNs 505-151-005-000, 505-151-012-000, 506-131-011-000, 506-231-012-000, and 506-231-019-000.



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INTEGRATED ENVIRONMENTAL SERVICES

0.02 acre. The wetlands appear to be hydrologically connected to Liscom Slough via man made ditches, falling within the jurisdiction of USACE, NCRWQCB, and CDFW. In addition, these wetlands must be considered for the Humboldt County Streamside Management Area policies, which require a 50-foot setback for seasonal wetlands.

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INTRODUCTION

This Jurisdictional Wetland Delineation Report and was prepared to provide data concerning the type and extent of wetlands under the jurisdiction of the U.S. Army Corps of Engineers (USACE), North Coast Regional Water Quality Control Board (NCRWQCB); and California Department of Fish and Wildlife (CDFW) that may be affected by the proposed Foster Clean Power A & B Project (Project). This report is based on the fieldwork performed on July 27 and August 4, 2022.

In the following report, the Project Area is defined as the area within the parcel(s) where direct impacts to the environment from Project activities may occur. On-site field assessments were completed within the Project Area.

A Wetlands and Other Waters Delineation Report was conducted by SHN in June of 2020 for the majority of the Project Area and adjacent areas for a proposed cannabis cultivation project that was subsequently approved by the County. This report relied on the findings of that report and delineation activities focused on areas to the south of the SHN study area that were not included in the SHN report; however, the SHN report findings were validated.

ENVIRONMENTAL SETTING

Project Location

The project is located in the “Arcata Bottoms” area at the intersection of Foster Avenue and Janes Road within unincorporated Humboldt County (County) (refer to Figure 1). The City of Arcata is located immediately south of the Project site on the southern side of Foster Avenue and to the east of the project site. Access to the site is provided by Foster Avenue/Jackson Ranch Road. The project is contained within three parcels (APNs 505-151-012-000, 506-231-019-000, and 506-231-022-000), of which approximately 30 acres would be developed for solar energy generation and storage. The project is located on the United States Geological Survey (USGS) Arcata North 7.5-minute Quadrangle, and within the Township 06 north, Range 01 east, and Sections 19, 20, 29, and 30 of the Humboldt Meridian.

The historical and present use of this area is agricultural production, which includes tilling and irrigation as well as harvesting. Sun Valley Floral farms uses a portion of APN 506-231-021 for flower production including greenhouses. Otherwise, the Project Area is vacant and generally zoned for agriculture and mixed-use commercial. Drainage ditches were installed to prevent surface water accumulation within and around the agricultural fields. The majority of these ditches are actively maintained.

Project Description

Renewable America LLC (RNA) proposes to construct and operate a two-phased community-scale solar and energy storage project referred to as: Foster Clean Power A (Phase I) and Foster Clean Power B (Phase II). Phase I would involve the construction of a 12-acre photovoltaic (PV) solar energy facility with associated inverters, fencing, and a 15-foot-wide access road that connects Foster Avenue to an equipment pad. The majority of the access road would follow an existing 15-foot-wide farm road. The equipment pad would be approximately 50 feet by 100 feet in size. Phase I would also include an energy storage (battery) system. Phase II would involve the construction of an additional 18-acre PV solar energy facility immediately north of the Phase I site and would utilize the same equipment pad area and adjoining access road. Refer to Figure 2.

Rows of solar panel arrays oriented north to south would be installed within the two development areas on a single-axis tracking system that would rotate from east to west throughout the day (approximately 60 degrees in each direction). The proposed solar arrays would have a height of approximately 15 feet. Each solar array row would be spaced approximately 14 feet apart. The tracking system would be installed on posts driven directly into the ground to a depth of approximately 6 feet. The solar facility and associated electrical equipment would be encompassed by a chain-link perimeter fence with three strands of barbed wire installed on top. Two separate areas would be fenced for Phases I and II.

The project would be designed to conform to existing topography and constructed in a manner that would minimize ground disturbance. Grading and the creation of impervious surfaces would be limited to the approximately 50-foot by 100-foot equipment pad. The project would maintain the existing site drainage patterns and would not result in a substantial increase in stormwater flow. Stormwater would continue to flow across the site in line with existing drainage patterns.

The project would deliver power to Pacific Gas and Electric Company's (PG&E's) existing distribution network via a primary service interconnection located on Foster Avenue. The solar facility would be positioned within previously tilled areas used for row crop production. The project site and properties are surrounded by agricultural and rural residential land uses.

The proposed solar facility would operate 24 hours a day, 7 days a week, and year-round, with the exception of down time for scheduled maintenance. The facility would be unmanned and managed remotely with security surveillance. Regular staff presence would not be required. Staff would on-site periodically to inspect and maintain the project facilities and maintain vegetation. It is anticipated that approximately two staff members would visit the project site approximately four times per year for regularly scheduled inspections and maintenance. In case of damages or non-functional equipment requiring replacement or repair, an appropriate number of staff will be on site and necessary deliveries will be made to address the issues. The site is expected to have deliveries for equipment replacement once every 10 years with the exception of unexpected events.

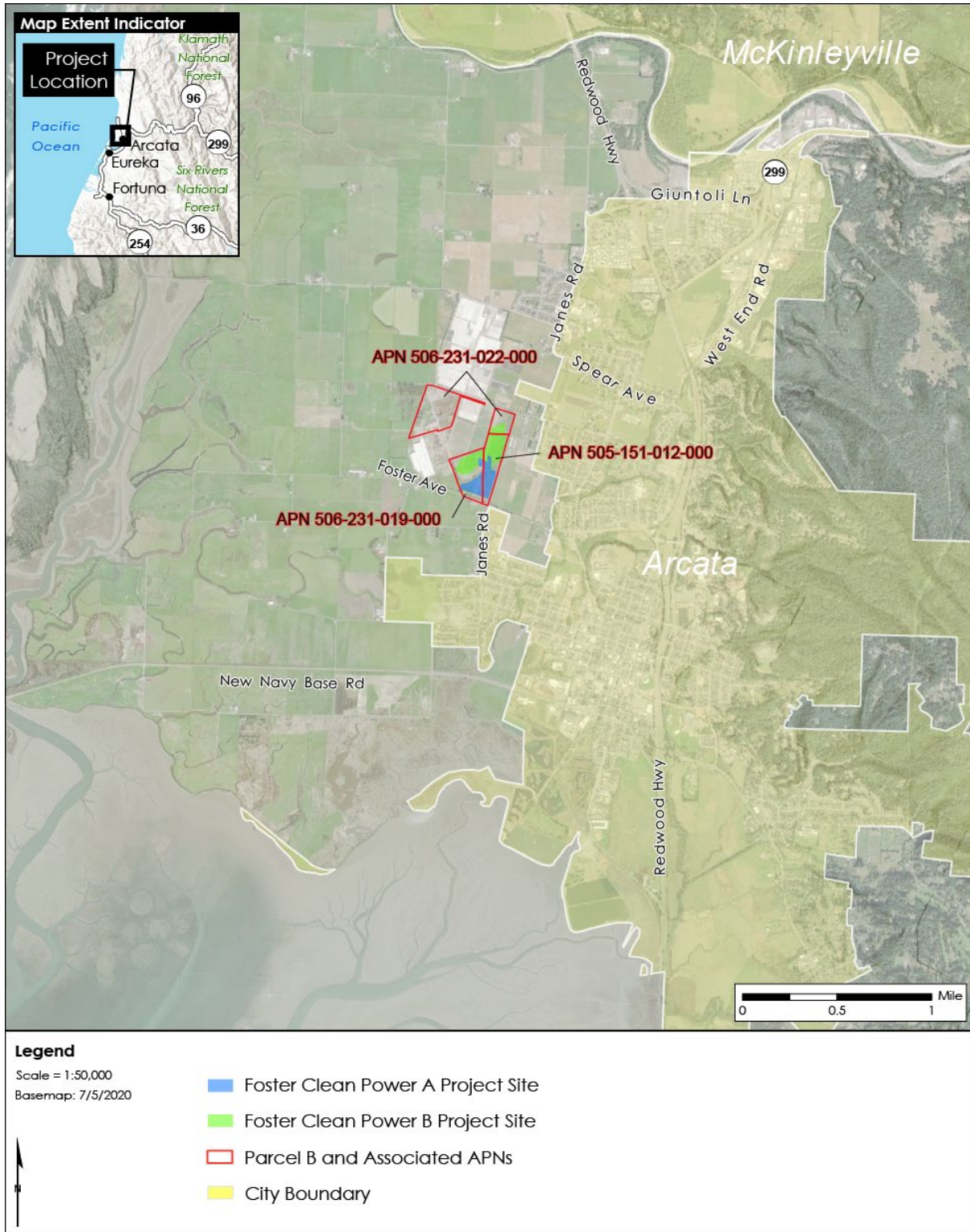


Figure 1. Project Location

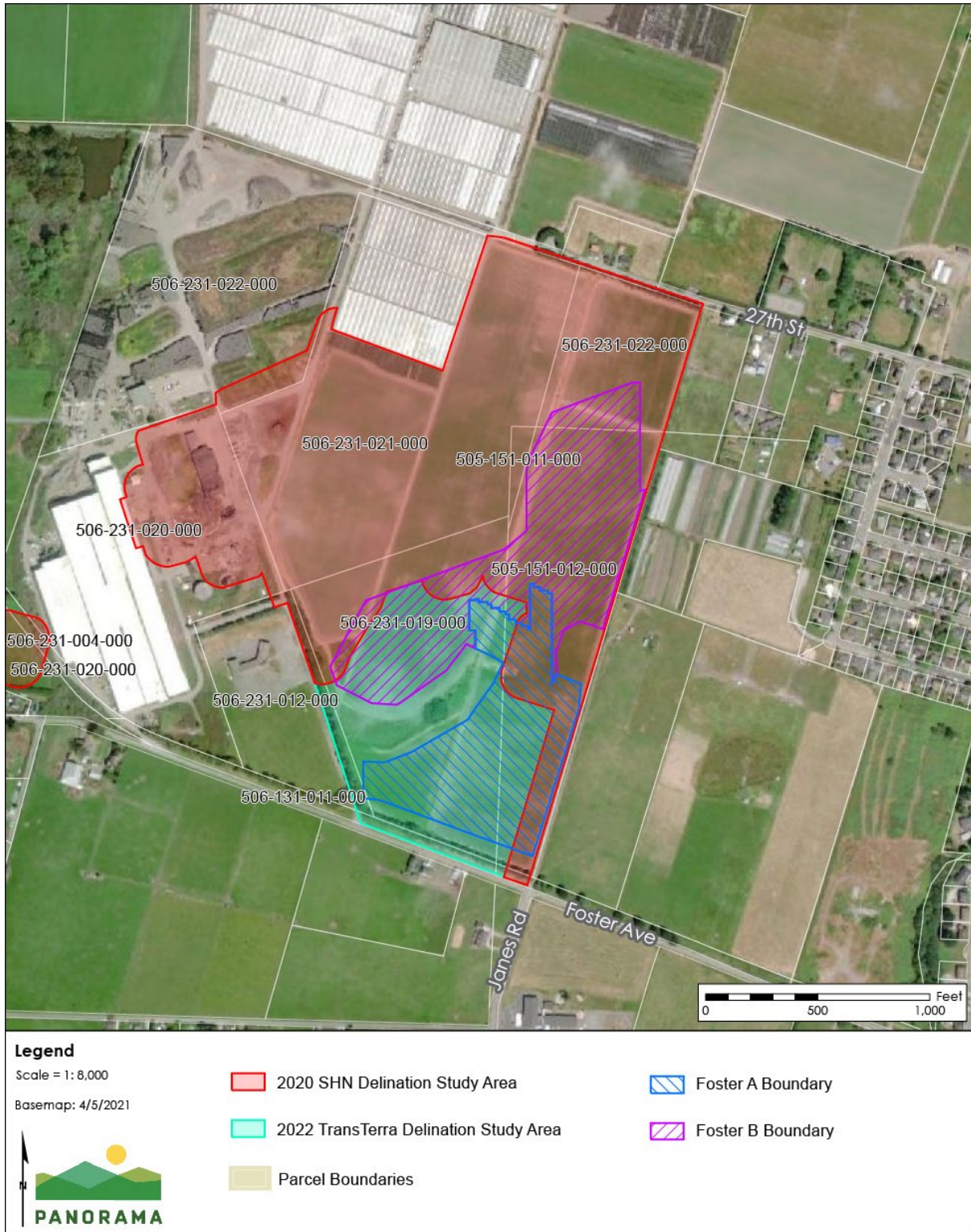


Figure 2. Proposed Project Footprint and Jurisdictional Wetland Study Area

Soils

The kinds of soils on a property will strongly influence whether or not sensitive natural communities or special status plants will be present. For example, hydric soils, which are seasonally or permanently saturated soils as found in wetlands, or soils that possess unique “edaphic characteristics” such as high serpentine content, provide the required substrate for the growth and survival of particular sensitive communities and plants. Soil types from the National Resources Conservation Service (NRCS) Web Soil Survey (<https://websoilsurvey.sc.egov.usda.gov/>) are listed below. These soil surveys are estimations of soils located on-site and are often not accurate at a fine scale.

The project site is located in the “Arcata Bottoms,” a broad alluvial plain at the northern end of Humboldt Bay. Published geologic maps of the region indicate that native materials at the site consist of Quaternary aged alluvium (Kelley, 1984). Alluvium on the Arcata Bottoms is described as unconsolidated coarse- to fine-grained sand and silt, with gravel in channel areas; the alluvium may locally interfinger with marine terrace deposits. At least some of the alluvium on the Arcata Bottoms is inferred to be Holocene in age and appears to reflect deposition by the Mad River following the most recent sea level low stand.

Three soil types are mapped on the parcel including the USDA classification of Arlynda (133), Jollygiant (127), and Dungan (210). Arlynda soils are mapped along and among the drainage that flows northeast to southwest from the lower-central portion of the field to the access road and are considered hydric soils. The drainage along the access road on the southwest border of the property determined by SHN to be a wetland is mapped as Jollygiant soils. Areas towards the southeast and northwest of the drainage are mapped as Dungan soils. Soil classification was not confirmed during this study. Soils are likely impacted by agricultural activities such as plowing and tilling.

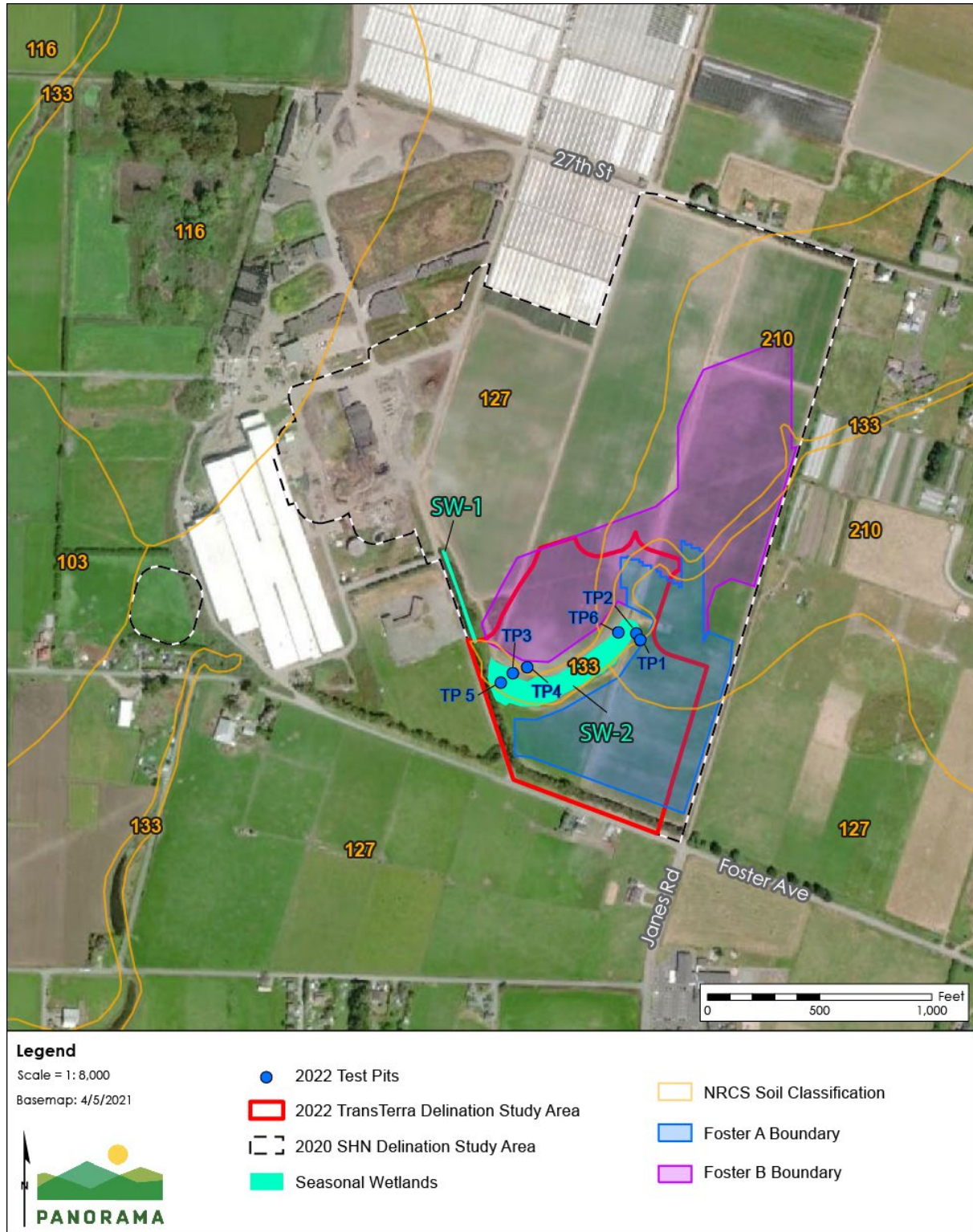


Figure 3. Map of Soil Survey Classifications by the NRCS

Table 1. Soils Mapped in the Project Area

Map Unit	Description	Hydric?
133—Arlynda, 0 to 9 percent slopes	<p>Oi - 0 to 1 inches: slightly decomposed plant material Ap - 1 to 9 inches: silty clay loam Bg1 - 9 to 22 inches: silty clay loam Slope: 0 to 9 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Very poorly drained Depth to water table: About 0 to 4 inches Frequency of flooding: Occasional Frequency of ponding: Frequent Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Available water storage in profile: High (about 10.3 inches)</p>	Y
127—Jollygiant, 0 to 2 percent slopes	<p>Ap - 0 to 16 inches: silty clay loam Bg1 - 16 to 33 inches: silty clay loam Slope: 0 to 2 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Somewhat poorly drained Depth to water table: About 10 to 20 inches Custom Soil Resource Report 16 Frequency of flooding: Rare Frequency of ponding: None Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Available water storage in profile: High (about 10.1 inches)</p>	N
210-Dungan, 0-2 percent slopes	<p>Typical profile Ap1 - 0 to 3 inches: silt loam Ap2 - 3 to 13 inches: silt loam Bw - 13 to 29 inches: silt loam Slope: 0 to 2 percent Depth to restrictive feature: More than 80 inches Natural drainage class: Well drained Depth to water table: About 39 to 61 inches Frequency of flooding: Rare Frequency of ponding: None Salinity, maximum in profile: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm) Available water storage in profile: High (about 10.8 inches)</p>	N

Topography and Hydrology

The Project Area is located in the North Coast Ranges Subregion of the Northwestern California Region of the California Floristic Province (Jepson Flora Project, 2020). The climate classification for this area is Warm Temperate (Köppen, 1936), with moderate to warm temperatures on average and most precipitation occurring during winter months.

The property is within the Eureka Plain Planning Watershed. Elevations on the property range from approximately 20 feet to 30 feet. The Project Area is flat to flat to slightly sloping, with slopes of less than 10 percent. The property is designated as relatively stable (Humboldt County, 2020).

Wetlands and Streamside Management Areas

Wetlands, as defined by the USDA- NRCS, are areas that (1) have a predominance of hydric soils; and (2) are inundated or saturated by surface or groundwater at levels necessary to support hydrophytic vegetation that requires saturated soil conditions.

A Streamside Management Area (SMA) is a legally designated buffer zone along streams and aquatic habitats where extra precaution is required to protect water quality. Section 314-61.6 of the Humboldt County General Plan provides for the protection of SMAs along perennially and intermittent streams as well as other wet areas such as natural ponds, springs, vernal pools, marshes, and wet meadows.

A review of the NWI database and Humboldt GIS Web Portal showed Palustrine Emergent Wetlands (PEM) over a large portion of the Project Area. However, many of these areas did not delineate as wetlands in either the SHN study or current investigation.

Vegetation

The Project Area consists of an agricultural field that has historically used for agricultural purposes and is dominated by non-native grass and forb species, supporting cutleaf geranium (*Geranium dissectum*), orchard grass (*Dactylis glomerata*), wild radish (*Raphanus sativa*), velvet grass (*Holcus lanatus*), sweet vanilla grass (*Anthoxanthum odoratum*), and field mustard (*Brassica rapa*).

REGULATORY BACKGROUND

Clean Water Act Sections 404 and 401

Under Section 404 (33 U.S. Code (USC) 1344) of the Clean Water Act (CWA), as amended, the USACE retains primary responsibility for permits to discharge dredged or fill material into waters of the U.S. All discharges of dredged or fill material into jurisdictional waters of the U.S. that result in permanent or temporary losses of waters of the U.S. are regulated by the USACE. A permit from the USACE must be obtained before placing fill or grading in wetlands or other waters of the U.S., unless the activity is exempt from CWA Section 404 regulation (for example, certain farming and forestry activities).

The USACE defines wetlands as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions” (Environmental Laboratory, 1987). In other words, the USACE defines wetlands by the presence of all three wetland indicators: hydrophytic vegetation, hydric soils, and wetlands hydrology.

Waters of the U.S. are defined at 33 Code of Federal Regulations (CFR) Part 328. They include traditional navigable waters; relatively permanent, non-navigable tributaries of traditional navigable waters; and certain wetlands. Following recent court cases, the U.S. Environmental Protection Agency (EPA) and USACE published a memorandum entitled Clean Water Act Jurisdiction (USACE/EPA, 2008) to guide the determination of jurisdiction over waters of the U.S., especially for wetlands. The applicability of Section 404 permitting over discharges to wetlands is, therefore, a two-step process: 1) determining the areas that are wetlands, and 2) where a wetland is present, assessing the wetland’s connection to traditional navigable waters and non-navigable tributaries to determine whether the wetland is jurisdictional under the CWA. A wetland is considered jurisdictional if it meets certain specified criteria.

The USACE is required to consult with the USFWS and/or National Marine Fisheries Service (NMFS) under Section 7 of the federal Endangered Species Act (FESA) if the action subject to CWA permitting could result in “take” of federally listed species or an adverse effect to designated critical habitat. The project is within the jurisdiction of the Sacramento District of the USACE.

Section 401 of the CWA (33 U.S.C. 1341) requires any applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the U.S. to obtain a certification from the state in which the discharge originates or would originate, or, if appropriate, from the interstate water pollution control agency having jurisdiction over the affected waters at the point where the discharge originates or would originate, that the discharge will comply with the applicable effluent limitations and water quality standards (EPA, 2002). A certification obtained for the construction of any facility must also pertain to the subsequent operation of the facility. The responsibility for the protection of water quality in California rests with the State Water Resources Control Board (SWRCB) and its nine Regional Water Quality Control Boards (RWQCB). The project is within the jurisdiction of the North Coast RWQCB.

Porter-Cologne Water Quality Control Act

The state and RWQCB also maintain independent regulatory authority over the placement of waste, including fill, into waters of the State under the Porter-Cologne Water Quality Control Act. Waters of the State are defined by the Porter-Cologne Water Quality Control Act as “any surface water or groundwater, including saline waters, within the boundaries of the state.” The SWRCB protects all waters in its regulatory scope but has special responsibility for isolated wetlands and headwaters (State Water Resource Control Board, 1969). These water bodies might not be regulated by other programs, such as Section 404 of the CWA. Waters of the State are regulated by the RWQCBs under the State Water Quality Certification Program, which regulates discharges of dredged and fill material under Section 401 of the CWA and the Porter-Cologne Water Quality Control Act. Projects that require an USACE permit,

or fall under other federal jurisdiction, and have the potential to impact waters of the State are required to comply with the terms of the Section 401 Water Quality Certification Program. If a proposed project does not require a federal license or permit but does involve activities that may result in a discharge of harmful substances to waters of the State, the RWQCBs have the option to regulate such activities under their state authority in the form of Waste Discharge Requirements (WDRs) or certification of WDRs.

California Fish and Game Code Section 1600

Streams, lakes, and riparian vegetation serving as habitat for fish and other wildlife species, are subject to jurisdiction by the CDFW under Sections 1600-1616 of the CFGC. Any activity that will do one or more of the following: 1) substantially obstruct or divert the natural flow of a river, stream, or lake; 2) substantially change or use any material from the bed, channel, or bank of a river, stream, or lake; or 3) deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river, stream, or lake generally require a Lake or Streambed Alteration Agreement (LSAA).

The term “stream,” which includes creeks and rivers, is defined in the CCR as follows: “a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life.” This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation (14 CCR 1.72).

In addition, the term “stream” can include ephemeral streams, dry washes, watercourses with subsurface flows, canals, aqueducts, irrigation ditches, and other means of water conveyance if they support aquatic life, riparian vegetation, or stream-dependent terrestrial wildlife. Riparian is defined as “on, or pertaining to, the banks of a stream;” therefore, riparian vegetation is defined as, “vegetation which occurs in and/or adjacent to a stream and is dependent on, and occurs because of, the stream itself” (CDFW, 1994). Removal of riparian vegetation also requires a LSAA from the CDFW.

Humboldt County Streamside Management Area Ordinance

Riparian and wetland habitats receive protection under Humboldt County’s Streamside Management Area Ordinance (SMAO); as defined in Title 3, Section 314-61.1 of the Humboldt County Code. Development and work within Streamside Management Areas (SMAs) requires a special permit from the County, if those activities are not exempt. SMAs are identified and modified as follows:

- Areas specifically mapped as SMA and Wetland (WR) Combining Zones, subject to verification and adjustment pursuant to site-specific biological reporting and review procedures.
- For areas along streams not specifically mapped as SMA and Wetland (WR) Combining Zones, the outer boundaries of the SMA shall be defined as:
 - One hundred (100) feet, measured as the horizontal distance from the top of bank or edge of riparian drip-line whichever is greater on either side of perennial streams.
 - Fifty (50) feet, measured as the horizontal distance from the top of bank or edge of riparian drip-line whichever is greater on either side of intermittent streams.
- Development standards for wetlands shall be consistent with the standards for streamside management areas, as applicable except that the widths of the SMA for wetlands are 50 feet for

seasonal wetlands and 150 feet for perennial wetlands. The setback begins at the edge of the delineated wetland. Buffers may be reduced based on site-specific information and consultation with the California Department of Fish and Wildlife. No buffer shall be required for manmade wetlands except wetlands created for mitigation purposes.

No mapped SMAs, unmapped streams that qualify as SMAs, or riparian vegetation is present. Seasonal wetlands were identified and mapped within the study area and a 50-foot setback has been identified from the edge of the delineated features.

METHODS

TransTerra staff conducted a wetlands delineation focused on identifying wetlands that meet the definition of the USACE. Holly Vadurro and Kale McNeil, associate Biologists of TransTerra Consulting conducted the wetland delineation on July 27 and August 4, 2022. Holly is certified in wetland delineation and collectively has experience delineating wetlands in Humboldt and Del Norte Counties. The wetlands delineation followed the USACE criteria (three-parameter approach) from the Corps of Engineers Wetlands Delineation Manual³ and Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys and Coast Region (Version 2.0)⁴ as well as the CCC one-parameter approach.

The investigation was conducted after abnormally dry, severe drought conditions⁵ and 1.53 inches of rain in the month of June 2022 (Table 2). Conditions were partly cloudy throughout the day. TransTerra staff used a combination of existing data to stratify and delineate wetland polygons, including outstanding green vegetated areas, unvegetated areas, and visible inundation prior to fieldwork. Watercourses and nearby wetland areas were identified through the Humboldt GIS Portal⁶ and the National Wetlands Inventory (NWI)⁷. Anthropogenic and natural disturbance patterns were evaluated using historical aerial imagery. This information was used to assess proper transect location. The field is frequently irrigated and was irrigated before the August 4 field visit.

Vegetation and soil data were collected at two transects across the presumed wetland boundaries with two pits in total (upland/wetland). Soil pits were dug to approximately 15 inches with no restrictive layers present. Data on soil color, texture, redoximorphic features, and hydrologic conditions were collected. The upland areas and wetland ditch area identified by SHN vegetation and hydrology were investigated visually to confirm findings, however additional soil pits were not dug in these locations.

³ Corps of Engineers Wetlands Delineation Manual, 1987. (Accessed via <https://www.lrh.usace.army.mil/Portals/38/docs/USACE%2087%20Wetland%20Delineation%20Manual.pdf>)

⁴ USACE Regional Supplement to the Corps of the Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0) (Accessed via https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1046494.pdf)

⁵ <https://www.drought.gov/drought/states/california>

⁶ <https://webgis.co.humboldt.ca.us/HCEGIS2.0/>

⁷ <https://www.fws.gov/wetlands>

Vegetation data collection consisted of listing the dominant species at each plot. The species were classified as to whether or not they are wetlands indicators, using the most current standard references for plant wetland indicators: State of California 2018 Wetland Plant List⁸ and the USACE 2018 National Wetland Plant List for WMVC⁹. The lists classify plants based on the probability that they would be found in wetlands, ranging from Obligate (almost always in wetlands), Facultative/wet (67% to 99% in wetlands), Facultative (34% to 66% in wetlands), Facultative/up 1% to 33% in wetlands) to Non-indicator (less than 1% in wetlands). Plants not listed are included in the uplands category. If 50% or greater of the dominant plant species at each plot were classified as either Obligate (OBL), Facultative/wet (FACW), or Facultative (FAC), the vegetative mix was determined to be hydrophytic (wetland plants).

A determination of the wetland boundary was made based on soil, hydrology (if present), and vegetative parameters (*i.e.*, a three-parameter approach). Once wetland and upland characteristics were determined for each transect, data points were collected on the wetland boundary. Transect points along the wetland boundary were mapped using Avenza Global Positioning System (GPS) tracking system and Google Earth Pro (v.7.3) aerial imagery. Polygons were created using ArcMap 10.8., 2020 aerial imagery and remote sensing.

Table 2. Precipitation and Temperatures for the July and August Survey Period¹⁰

Date	Temperature (f)				Precipitation
	Maximum	Minimum	Average	Departure	
7/5/2022	64	56	60.0	2.9	0.35
7/6/2022	64	56	60.0	2.8	T
7/7/2022	65	55	60.0	2.8	0.00
7/8/2022	63	54	58.5	1.2	0.00
7/9/2022	67	55	61.0	3.6	0.00
7/10/2022	65	57	61.0	3.6	0.00
7/11/2022	69	53	61.0	3.5	0.00
7/12/2022	63	55	59.0	1.4	0.00
7/13/2022	63	53	58.0	0.4	0.00
7/14/2022	60	53	56.5	-1.2	0.00
7/15/2022	66	51	58.5	0.8	0.00
7/16/2022	65	54	59.5	1.7	0.01
7/17/2022	63	53	58.0	0.1	0.00
7/18/2022	64	49	56.5	-1.4	0.00
7/19/2022	62	52	57.0	-1.0	0.00

⁸ State of California 2016 Wetland Plant List (Accessed via http://wetland-plants.usace.army.mil/nwpl_static/data/DOC/lists_2016/States/pdf/CA_2016v1.pdf)

⁹ USACE NWPL 2018 (Accessed via https://cwbi-app.sec.usace.army.mil/nwpl_static/v34/home/home.html)

¹⁰ National Weather Service Forecast Office-Eureka, CA (Eureka, CA. Accessed via <https://w2.weather.gov/climate/xmacis.php?wfo=eka>)

Date	Temperature (f)				Precipitation
	Maximum	Minimum	Average	Departure	
7/20/2022	61	52	56.5	-1.5	0.00
7/21/2022	63	53	58.0	-0.1	0.01
7/22/2022	63	55	59.0	0.9	0.00
7/23/2022	63	54	58.5	0.3	T
7/24/2022	61	51	56.0	-2.2	0.00
7/25/2022	58	51	54.5	-3.8	0.00
7/26/2022	63	51	57.0	-1.3	0.00
7/27/2022	62	51	56.5	-1.8	0.00
7/28/2022	66	53	59.5	1.1	0.00
7/29/2022	63	56	59.5	1.1	T
7/30/2022	67	56	61.5	3.1	T
7/31/2022	67	57	62.0	3.5	0.00
8/1/2022	66	57	61.5	3.0	0.00
8/2/2022	64	55	59.5	5	0.00
8/3/2022	64	55	59.5	5	0.00
8/4/2022	64	54	59.5		0.00

RESULTS AND DISCUSSION

The area of investigation contained 2.44 acres of jurisdictional wetland. The wetlands include two areas of seasonal PEM wetlands, approximately 2.3 acres and 0.14 acre in size. These wetlands appear to be hydrologically connected to Liscom Slough via man made ditches, falling within the jurisdiction of USACE, NCRWQCB, and CDFW. In addition, these wetlands must be considered for the Humboldt County SMA policies. (Figure 3)

Water was not present in the wetlands as standing water, saturation, and water table. Along with lower recent rainfall, severe drought conditions are also currently present for this region.

The location of wetland observation pits were chosen based upon obvious hydrological indicators. Field Forms are attached to this document (Appendix C).

Table 3. Summary of Wetland Pit Observations

Pit No.	Vegetation	Soils	Hydrology	Wetland Status
TP1	Hydrophytic (Dominance Test)	Hydric-Redox Dark Surface (F6)	Oxidized Rhizospheres (C3)	Seasonal Wetland- PEM
TP2	Hydrophytic (Dominance Test)	Not Hydric	No Indicators	Upland
TP3	Hydrophytic (Dominance Test)	Hydric-Redox Dark Surface (F6)	Oxidized Rhizospheres (C3)	Seasonal Wetland- PEM
TP4	Hydrophytic (Dominance Test)	Not Hydric	No Indicators	Upland
TP5	Hydrophytic (Dominance Test)	Hydric-Redox Dark Surface (F6)	Oxidized Rhizospheres (C3), Inundation Visible Aerial (B7)	Seasonal Wetland- PEM
TP6	Hydrophytic (Dominance Test)	Hydric-Redox Dark Surface (F6)	Saturation (A3)	Seasonal Wetland- PEM

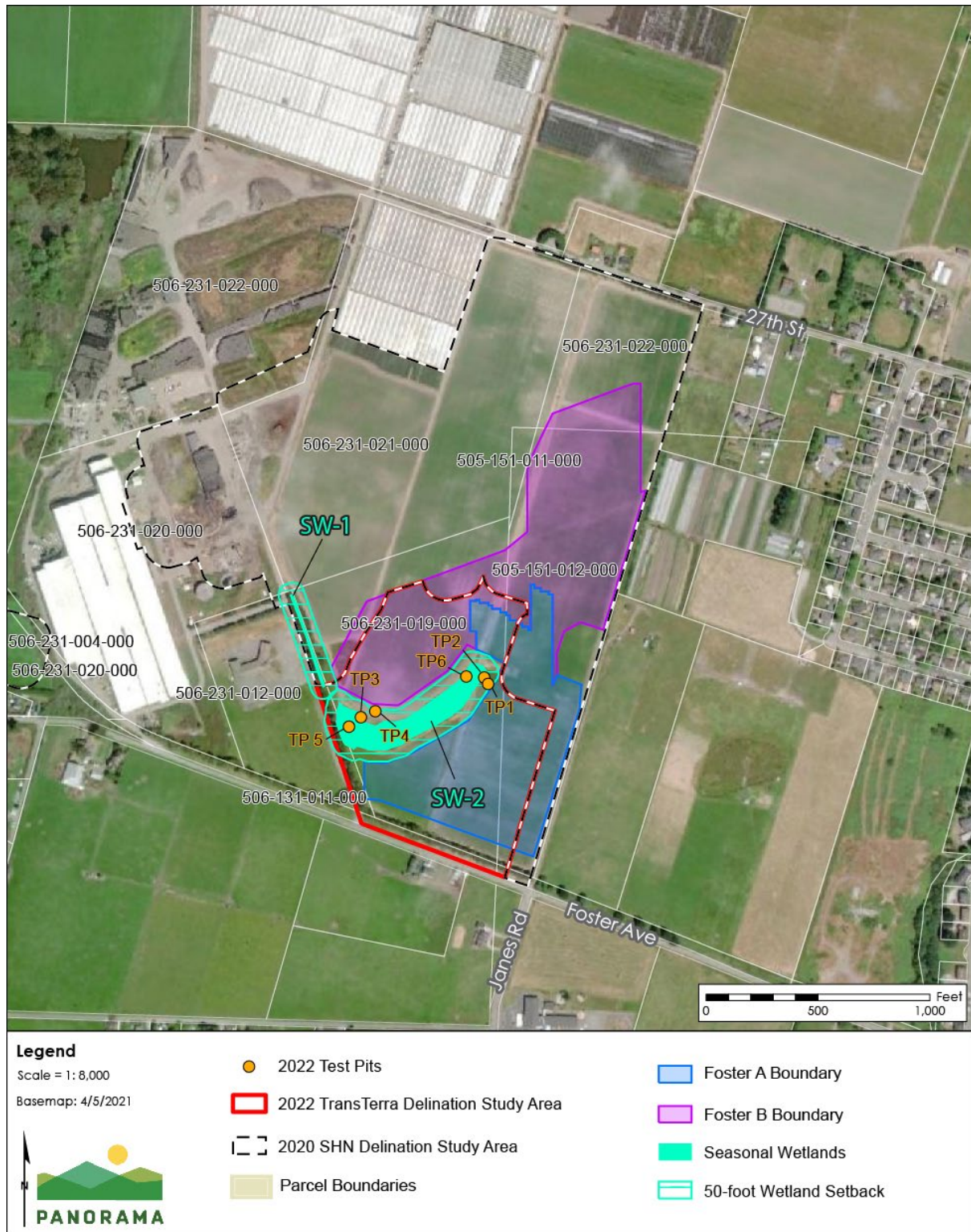


Figure 4. Wetland Delineation Results

RECOMMENDATIONS

Follow all recommendations outlined by existing agency policies for minimizing impacts to natural resources and begin technical assistance to determine the possible extent of impacts to listed resources and appropriate mitigation measures. Recommendations for the project site include the following measures:

- Provide a fifty (50) foot buffer around wetlands and avoid impacts to any buffer areas.
- If impacts to wetlands are expected (either directly or indirectly by working inside or prescribed buffers), develop a Mitigation and Monitoring Plan to minimize disturbance to the area. Numerous seeps provide evidence of shallow groundwater in this area, and additional disturbance, clearing, and road cuts would likely modify existing groundwater and surface water patterns. Additional disturbance to this area could also potentially impact aquatic species.
- To avoid wetland impacts, place temporary fencing or otherwise demarcate wetlands and or prescribed buffers prior to construction.
- Install and maintain temporary erosion and sediment control measures and best management practices (BMPs) to reduce sediment entering the wetland and traveling to waters.

Please contact me with any comments or concerns regarding this memorandum or future work required for your project. I can be reached at tami@trans-terra.com or (707) 840-4772. I have included our qualifications as an attachment to this memorandum as it is often requested by agency personnel reviewing work of this nature. (Appendix B)

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APPENDIX A—Site Photographs



Photo 1. TP1



Photo 2. TP2



Photo 3. TP3



Photo 4. TP4



APPENDIX A—Site Photographs



Photo 5. TP5



Photo 6. TP6



Photo 7. View of wetland from Northeast edge



Photo 8. View of wetland from the south



APPENDIX B—Qualifications

Tami Camper-Owner-Principal Biologist

Tami is the founder of TransTerra Consulting LLC. She obtained a Bachelor of Science in Environmental Science from Western Washington University and Master of Science in Biology from Calpoly Humboldt. She has worked on publications including a rare plant guide for timberlands of Mendocino County published by MCRCD. She has worked as a professional biologist and conducted wetland delineations for 20 years, specializing in wetland/stream surveys, wildlife/vegetation mapping, rare species surveys, biological assessments, impact assessments, mitigation and monitoring plans, CEQA/NEPA and land-use planning. Tami received the Richard Chinn Wetland Delineation 40-hour certification in 2002.

Holly Vadurro-Biologist/Botanist

Holly earned a Bachelor of Science degree in Biology from College of Charleston, in 1996. She has performed various biological field surveys including botanical, fishery, mollusk, amphibian, bryophyte and migratory birds. She has over a decade of experience working as an Environmental Scientist and has conducted wetland delineations, botanical surveys, vegetation mapping and collected and analyzed water quality data. Holly received the Richard Chinn Wetland Delineation 40-hour certification in 2004.

Kale McNeil-Botanist

Kale holds Bachelor of Science Degree in Botany from Humboldt State University (now Calpoly Humboldt), has over years of experience conducting botanical surveys and is currently pursuing a Master of Science Degree in Biology.



APPENDIX C— Field Forms



APPENDIX C — Field Forms

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Foster City/County: Arcata/Humboldt Sampling Date: 7-27-22
 Applicant/Owner: Panorama (Client) State: CA Sampling Point: TP-1
 Investigator(s): Holly V. Kalem Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): terrace prairie Local relief (concave, convex, none): flat Slope (%): 0
 Subregion (LRR): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Arcata North USGS NWI classification: in on HUKWES GIS (NWI)
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		

Remarks: severe drought
Area managed for agricultural purposes - drought

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____				Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____				
_____ = Total Cover				Prevalence Index worksheet:
Sapling/Shrub Stratum (Plot size: _____)				Total % Cover of: _____ Multiply by: _____
1. _____				OBL species _____ x 1 = _____
2. _____				FACW species _____ x 2 = _____
3. _____				FAC species _____ x 3 = _____
4. _____				FACU species _____ x 4 = _____
5. _____				UPL species _____ x 5 = _____
_____ = Total Cover				Column Totals: _____ (A) _____ (B)
Herb Stratum (Plot size: <u>20'</u>)				Prevalence Index = B/A = _____
1. <u>Ranunculus repens</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
2. <u>Holcus lanatus</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	
3. <u>Festuca perenne</u>	<u>10</u>	<u>N</u>	<u>FAC</u>	
4. <u>Agrostis stolonifera</u>	<u>8</u>	<u>Y</u>	<u>FAC</u>	
5. <u>Rumex crispus</u>	<u>6</u>	<u>Y</u>	<u>FAC</u>	
6. <u>Plantago lanceolata</u>	<u>2</u>	<u>Y</u>	<u>FACU</u>	
7. <u>Trifolium repens</u>	<u>2</u>	<u>Y</u>	<u>FAC</u>	
8. <u>Helminthotheca echioides</u>	<u>2</u>	<u>Y</u>	<u>FAC</u>	
9. _____				
10. _____				
11. _____				
_____ = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
Woody Vine Stratum (Plot size: _____)				
1. _____				
2. _____				
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>0</u>				

Remarks: close by but not within plot radius: Juncus effusus; J. patens, Salix hookeriana, S. lasiolepis; Rubus armeniacus



APPENDIX C — Field Forms

Sampling Point: TPL

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features			Type ¹	Loc ²	Texture	Remarks
	Color (moist)	%	Color (moist)	%					
0-15"	10YR 2/1	98	7.5YR 3/4	2	C	M		silty clay loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

- Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)
- | | | |
|--|---|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) | <input type="checkbox"/> Indicators for Problematic Hydric Soils ³ : |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) | <input type="checkbox"/> 2 cm Muck (A10) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1) | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input checked="" type="checkbox"/> Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | |

Restrictive Layer (if present):
 Type: no
 Depth (inches): _____
 Hydric Soil Present? Yes No

Remarks:
5% of redox features were along pore linings. Redox was consistently represented as "dots" throughout.

HYDROLOGY

- Wetland Hydrology Indicators:
- | | | |
|--|---|--|
| Primary Indicators (minimum of one required; check all that apply) | | Secondary Indicators (2 or more required) |
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | <input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Salt Crust (B11) | <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) | <input type="checkbox"/> Dry-Season Water Table (C2) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) | <input type="checkbox"/> Geomorphic Position (D2) |
| <input type="checkbox"/> Drift Deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) | <input type="checkbox"/> Shallow Aquitard (D3) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> FAC-Neutral Test (D5) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) | <input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Frost-Heave Hummocks (D7) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | | |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | | |

Field Observations:
 Surface Water Present? Yes No Depth (inches): _____
 Water Table Present? Yes No Depth (inches): _____
 Saturation Present? Yes No Depth (inches): _____
 (includes capillary fringe)
 Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: not in mowed or tilled area



APPENDIX C — Field Forms

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Foster City/County: Arcata/Humboldt Sampling Date: 7-27-22
 Applicant/Owner: Panorama (client) State: CA Sampling Point: TP2
 Investigator(s): Holly V. Kabe M Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): terrace prairie Local relief (concave, convex, none): flat Slope (%): 0
 Subregion (LRR): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Arcata North USGS NWI classification: in on HUMWEB 615CNWI
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____	Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes _____ No <input checked="" type="checkbox"/>
Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>		
Remarks: <u>Severe drought Area irrigated/filled/hayed upland next to fracture (north)</u>		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
1. <u>/</u>				
2. <u>/</u>				
3. <u>/</u>				
4. <u>/</u>				
5. <u>/</u>				
= Total Cover				Hydrophytic Vegetation Indicators: <input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Sapling/Shrub Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>/</u>				
2. <u>/</u>				
3. <u>/</u>				
4. <u>/</u>				
5. <u>/</u>				
= Total Cover				
Herb Stratum (Plot size: <u>20'</u>)	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Holcus lanatus</u>	<u>35</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
2. <u>Trifolium repens</u>	<u>35</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
3. <u>Trifolium pratense</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FACW</u>	
4. <u>Plantago lanceolata</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FACU</u>	
5. <u>Rumex crispus</u>	<u>3</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
6. <u>Yellow comp/canthus</u>	<u>1</u>			
7. <u>Festuca perenne</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
8. <u>Agrostis stolonifera</u>	<u>5</u>	<input checked="" type="checkbox"/>	<u>FAC</u>	
9. <u>Convolvulus arvensis</u>	<u>1</u>	<input checked="" type="checkbox"/>	<u>UPL</u>	
10. _____				
11. _____				
= Total Cover <u>95</u>				
Woody Vine Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
1. _____				
2. _____				
= Total Cover				
% Bare Ground in Herb Stratum <u>5</u>				
Remarks: <u>This test pit is right on the wetland boundary line; v. im "</u>				



APPENDIX C — Field Forms

Sampling Point: TP 2

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-15	7.5YR 3/2	100					silty clay	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

- Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**
- | | | |
|--|---|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) | <input type="checkbox"/> 2 cm Muck (A10) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1) | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) | |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input type="checkbox"/> Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | |

Restrictive Layer (if present):
 Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:
 less moisture; no red ox; more brown (not black)
 tilled

HYDROLOGY

- Wetland Hydrology Indicators:**
- | | | |
|---|---|--|
| <u>Primary Indicators (minimum of one required; check all that apply)</u> | | <u>Secondary Indicators (2 or more required)</u> |
| <input type="checkbox"/> Surface Water (A1) | <input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B) | <input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B) |
| <input type="checkbox"/> High Water Table (A2) | <input type="checkbox"/> Salt Crust (B11) | <input type="checkbox"/> Drainage Patterns (B10) |
| <input type="checkbox"/> Saturation (A3) | <input type="checkbox"/> Aquatic Invertebrates (B13) | <input type="checkbox"/> Dry-Season Water Table (C2) |
| <input type="checkbox"/> Water Marks (B1) | <input type="checkbox"/> Hydrogen Sulfide Odor (C1) | <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) |
| <input type="checkbox"/> Sediment Deposits (B2) | <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) | <input type="checkbox"/> Geomorphic Position (D2) |
| <input type="checkbox"/> Drift Deposits (B3) | <input type="checkbox"/> Presence of Reduced Iron (C4) | <input type="checkbox"/> Shallow Aquitard (D3) |
| <input type="checkbox"/> Algal Mat or Crust (B4) | <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) | <input type="checkbox"/> FAC-Neutral Test (D5) |
| <input type="checkbox"/> Iron Deposits (B5) | <input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A) | <input type="checkbox"/> Raised Ant Mounds (D6) (LRR A) |
| <input type="checkbox"/> Surface Soil Cracks (B6) | <input type="checkbox"/> Other (Explain in Remarks) | <input type="checkbox"/> Frost-Heave Hummocks (D7) |
| <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) | | |
| <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8) | | |

Field Observations:

Surface Water Present?	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Water Table Present?	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
 In mowed / tilled area



APPENDIX C — Field Forms

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Foster City/County: Alameda/Humboldt Sampling Date: 7-27-22
 Applicant/Owner: Panorama (Client) State: CA Sampling Point: TP3
 Investigator(s): Holly V, Kate M Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): terrace prairie Local relief (concave, convex, none): flat Slope (%): 0
 Subregion (LRR): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: Accata North USGS NWI classification: in on HUMWEB GIS CAN
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland?	Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____		
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____		
Remarks:			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = <u>21</u>
= Total Cover				
Sapling/Shrub Stratum (Plot size: _____)	_____	_____	_____	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
= Total Cover				
Herb Stratum (Plot size: _____)	_____	_____	_____	Hydrophytic Vegetation Indicators: <input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation <input checked="" type="checkbox"/> 2 - Dominance Test is >50% <input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹ <input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) <input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹ <input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Dioscorea altissima</u>	<u>25</u>	<u>Y</u>	<u>FAC</u>	
2. <u>Daucus carota</u>	<u>10</u>	<u>Y</u>	<u>FACU</u>	
3. <u>Holcus lanatus</u>	<u>10</u>	<u>Y</u>	<u>FAC</u>	
4. <u>Helminthotheca echioides</u>	<u>9</u>	<u>N</u>	<u>FAC</u>	
5. <u>Convolvulus arvensis</u>	<u>5</u>	<u>N</u>	<u>UPL</u>	
6. <u>Agrostis exaristata</u>	<u>9</u>	<u>N</u>	<u>FAC</u>	
7. <u>Vicia tetrasperma</u>	<u>10</u>	<u>Y</u>	<u>UPL</u>	
8. <u>Geranium dissectum</u>	<u>1</u>	<u>N</u>	<u>UPL</u>	
9. <u>Cotus corniculatus</u>	<u>2</u>	<u>N</u>	<u>FAC</u>	
10. <u>Sanchezia pleurocarpa</u>	<u>1</u>	<u>N</u>	<u>UPL</u>	
11. <u>Desfucia perennis</u>	<u>8</u>	<u>N</u>	<u>FAC</u>	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)	_____	_____	_____	Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
= Total Cover				
% Bare Ground in Herb Stratum <u>10</u>				
Remarks:				



APPENDIX C — Field Forms

SOIL

Sampling Point: TP3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
<u>0-14"</u>	<u>10R4/2</u>	<u>88</u>	<u>10YR4/6</u>	<u>12</u>	<u>C</u>	<u>M</u>	<u>silty clay</u>	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.) Indicators for Problematic Hydric Soils³:

- | | | |
|--|---|---|
| <input type="checkbox"/> Histosol (A1) | <input type="checkbox"/> Sandy Redox (S5) | <input type="checkbox"/> 2 cm Muck (A10) |
| <input type="checkbox"/> Histic Epipedon (A2) | <input type="checkbox"/> Stripped Matrix (S6) | <input type="checkbox"/> Red Parent Material (TF2) |
| <input type="checkbox"/> Black Histic (A3) | <input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1) | <input type="checkbox"/> Very Shallow Dark Surface (TF12) |
| <input type="checkbox"/> Hydrogen Sulfide (A4) | <input type="checkbox"/> Loamy Gleyed Matrix (F2) | <input type="checkbox"/> Other (Explain in Remarks) |
| <input type="checkbox"/> Depleted Below Dark Surface (A11) | <input type="checkbox"/> Depleted Matrix (F3) | |
| <input type="checkbox"/> Thick Dark Surface (A12) | <input checked="" type="checkbox"/> Redox Dark Surface (F6) | ³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic. |
| <input type="checkbox"/> Sandy Mucky Mineral (S1) | <input type="checkbox"/> Depleted Dark Surface (F7) | |
| <input type="checkbox"/> Sandy Gleyed Matrix (S4) | <input type="checkbox"/> Redox Depressions (F8) | |

Restrictive Layer (if present):

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks: Just south of the point is an area dominated by Potentilla
dig @ it's water darker but looks similar, this pit was
entirely dry

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



APPENDIX C— Field Forms

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Foster Ave City/County: Arcata Humboldt Sampling Date: 7/27/22
 Applicant/Owner: Panorama (Client) State: CA Sampling Point: TP4
 Investigator(s): Holly V., Kale M Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): Terrace prairie Local relief (concave, convex, none): flat Slope (%): ✓
 Subregion (LRR): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: in
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No ✓ (If no, explain in Remarks.)
 Are Vegetation ✓, Soil ✓, or Hydrology ✓ significantly disturbed? Are "Normal Circumstances" present? Yes _____ No ✓
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <u>✓</u> No _____	Is the Sampled Area within a Wetland?	Yes _____ No <u>✓</u>
Hydric Soil Present?	Yes _____ No <u>✓</u>		
Wetland Hydrology Present?	Yes _____ No <u>✓</u>		
Remarks: <u>severe drought</u>			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____				Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A)
2. _____				Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50</u> (A/B)
4. _____				
_____ = Total Cover				
Sapling/Shrub Stratum (Plot size: _____)				Prevalence Index worksheet:
1. _____				Total % Cover of: _____ Multiply by: _____
2. _____				OBL species _____ x 1 = _____
3. _____				FACW species _____ x 2 = _____
4. _____				FAC species _____ x 3 = _____
5. _____				FACU species _____ x 4 = _____
_____ = Total Cover				UPL species _____ x 5 = _____
				Column Totals: _____ (A) _____ (B)
				Prevalence Index = B/A = _____
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:
1. <u>Plantago lanceolata</u>	<u>39</u>	<u>Y</u>	<u>FACU</u>	<u>✓</u> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>Daucus carota</u>	<u>8</u>	<u>N</u>	<u>FACU</u>	<u>✓</u> 2 - Dominance Test is >50%
3. <u>Festuca perennis</u>	<u>10</u>	<u>N</u>	<u>FAC</u>	____ 3 - Prevalence Index is ≤3.0 ¹
4. <u>Trifolium repens</u>	<u>18</u>	<u>Y</u>	<u>FAC</u>	____ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. <u>Helminthotheca echioides</u>	<u>3</u>	<u>N</u>	<u>FAC</u>	____ 5 - Wetland Non-Vascular Plants ¹
6. <u>Trifolium pratense</u>	<u>5</u>	<u>N</u>	<u>FACU</u>	____ Problematic Hydrophytic Vegetation ¹ (Explain)
7. <u>Plantago lanceolata</u>	<u>1</u>	<u>N</u>	<u>FAC</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. <u>Lysimachia arvensis</u>	<u>1</u>	<u>N</u>	<u>FAC</u>	
9. <u>Plantago saxatilis</u>	<u>2</u>	<u>N</u>	<u>FACU</u>	
10. <u>Antennaria dioica</u>	<u>2</u>	<u>N</u>	<u>FAC</u>	
11. <u>Rumex acetosella</u>	<u>1</u>	<u>N</u>	<u>FACU</u>	
<u>90</u> = Total Cover				
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present? Yes <u>✓</u> No _____
1. _____				
2. _____				
_____ = Total Cover				
% Bare Ground in Herb Stratum <u>10</u>				
Remarks: <u>agricultural field (mowed recently but plants identifiable)</u>				



APPENDIX C — Field Forms

Sampling Point: TP4

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-14	10YR 3/2	100					Silt loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	Indicators for Problematic Hydric Soils³:
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if present):
Type: _____
Depth (inches): _____

Hydric Soil Present? Yes _____ No

Remarks:
low chroma but no redox area plowed historically

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present?	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>
Water Table Present?	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? (includes capillary fringe)	Yes _____ No <input checked="" type="checkbox"/>	Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



APPENDIX C— Field Forms

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Foster
City/County: Arcata/Humboldt
Sampling Date: 8/4/22
Applicant/Owner: Panorama (Client)
State: CA
Sampling Point: 175
Investigator(s): Holly V.
Section, Township, Range:
Landform (hillslope, terrace, etc.): terrace
Local relief (concave, convex, none): flat
Slope (%): 0
Subregion (LRR):
Lat:
Long:
Datum:
Soil Map Unit Name:
NW1 classification: in
Are climatic / hydrologic conditions on the site typical for this time of year? Yes ___ No [X] (If no, explain in Remarks.) severe drought
Are Vegetation ___, Soil ___, or Hydrology [X] significantly disturbed? Are "Normal Circumstances" present? Yes ___ No [X]
Are Vegetation ___, Soil ___, or Hydrology ___ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes [X] No ___	Is the Sampled Area within a Wetland?	Yes [X] No ___
Hydric Soil Present?	Yes [X] No ___		
Wetland Hydrology Present?	Yes [X] No ___		
Remarks: Drought year. Area used for ag. (plowed, hay, irrigation)			

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: 2 (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: 100 (A/B)
4. _____	_____	_____	_____	Prevalence Index worksheet: Total % Cover of: _____ Multiply by: OBL species _____ x 1 = _____ FACW species _____ x 2 = _____ FAC species _____ x 3 = _____ FACU species _____ x 4 = _____ UPL species _____ x 5 = _____ Column Totals: _____ (A) _____ (B) Prevalence Index = B/A = _____
= Total Cover				
= Total Cover				
= Total Cover				
= Total Cover				
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators: [X] 1 - Rapid Test for Hydrophytic Vegetation [X] 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 ¹ ___ 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet) ___ 5 - Wetland Non-Vascular Plants ¹ ___ Problematic Hydrophytic Vegetation ¹ (Explain) ¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. Potentilla anserina ssp. pacifica	46	Y	OBL	
2. Anemone globosa	40	Y	FAC	
3. Chamaenerion maculatum	6	N	FAC	
4. Dipsacus fullonum	5	N	FAC	
5. Rumex crispus	3	N	FAC	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
100 = Total Cover				
Woody Vine Stratum (Plot size: _____)				Hydrophytic Vegetation Present? Yes [X] No ___
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
= Total Cover				
% Bare Ground in Herb Stratum _____				
Remarks: 100 / 14 / 86				



APPENDIX C — Field Forms

Sampling Point: TP5

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features		Type ¹	Loc ²	Texture	Remarks
	Color (moist)	%	Color (moist)	%				
0-5"	10YR3/2	100					silty clay loam	
5-14"	10YR3/2	93	7.5YR4/6	17	C	M	silty clay loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

Restrictive Layer (if present): na

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks: imagery shows area plowed historically

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required: check all that apply)

<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input checked="" type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input checked="" type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	
Saturation Present? (includes capillary fringe) Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: _____



APPENDIX C— Field Forms

WETLAND DETERMINATION DATA FORM – Western Mountains, Valleys, and Coast Region

Project/Site: Foster Ave. City/County: Arcata/Humboldt Sampling Date: 8/4/22
 Applicant/Owner: Panorama (Client) State: CA Sampling Point: T6
 Investigator(s): Holly V Section, Township, Range: _____
 Landform (hillslope, terrace, etc.): terrace Local relief (concave, convex, none): flat Slope (%): 0
 Subregion (LRR): _____ Lat: _____ Long: _____ Datum: _____
 Soil Map Unit Name: _____ NWI classification: in
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes _____ No (If no, explain in Remarks.) severe drought
 Are Vegetation _____, Soil _____, or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes _____ No
 Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes <input checked="" type="checkbox"/> No _____	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No _____
Hydric Soil Present?	Yes <input checked="" type="checkbox"/> No _____	
Wetland Hydrology Present?	Yes <input checked="" type="checkbox"/> No _____	
Remarks: <u>years ago the entire "Arcata Bottoms" were wetland post construction of HWY 101 the area was significantly altered dyked & filled</u>		

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: _____)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. <u>Salix lasiolepis</u>				Number of Dominant Species That Are OBL, FACW, or FAC: <u>4</u> (A)
2. _____				Total Number of Dominant Species Across All Strata: <u>4</u> (B)
3. _____				Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100</u> (A/B)
4. _____				Prevalence Index worksheet:
_____ = Total Cover				Total % Cover of: _____ Multiply by: _____
Sapling/Shrub Stratum (Plot size: _____)				OBL species _____ x 1 = _____
1. <u>Salix hookeriana</u>	<u>12</u>	<u>Y</u>	<u>FACW</u>	FACW species _____ x 2 = _____
2. <u>Salix lasiolepis</u>	<u>8</u>	<u>Y</u>	<u>FACW</u>	FAC species _____ x 3 = _____
3. _____				FACU species _____ x 4 = _____
4. _____				UPL species _____ x 5 = _____
5. _____				Column Totals: _____ (A) _____ (B)
_____ = Total Cover <u>10/4</u>				Prevalence Index = B/A = _____
Herb Stratum (Plot size: _____)				Hydrophytic Vegetation Indicators:
1. <u>Ranunculus repens</u>	<u>35</u>	<u>Y</u>	<u>FAC</u>	<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>Agrostis stolonifera</u>	<u>25</u>	<u>Y</u>	<u>FAC</u>	<input checked="" type="checkbox"/> 2 - Dominance Test is >50%
3. <u>Eleocharis lanatus</u>	<u>14</u>	<u>N</u>	<u>FAC</u>	<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. <u>Juncus effusus</u>	<u>12</u>	<u>N</u>	<u>FACW</u>	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. <u>Juncus bolanderi</u>	<u>7</u>	<u>N</u>	<u>OBL</u>	<input type="checkbox"/> 5 - Wetland Non-Vascular Plants ¹
6. <u>Dipsacus fullonum</u>	<u>4</u>	<u>N</u>	<u>FAC</u>	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7. <u>Typha sp.</u>	<u>3</u>	<u>N</u>	<u>OBL</u>	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. _____				
9. _____				
10. _____				
11. _____				
_____ = Total Cover				Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No _____
Woody Vine Stratum (Plot size: _____)				
1. _____				
2. _____				
_____ = Total Cover				
% Bare Ground in Herb Stratum _____				
Remarks: _____				



APPENDIX C — Field Forms

Sampling Point: TP6

SOIL

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-12	10YR2/1	100					silty clay loam	

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. ²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (except MLRA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input checked="" type="checkbox"/> Redox Dark Surface (F6)	³ Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

Restrictive Layer (if present): n/a

Type: _____
Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (2 or more required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9) (except MLRA 1, 2, 4A, and 4B)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost-Heave Hummocks (D7)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)		
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

Field Observations:

Surface Water Present? Yes No Depth (inches): _____

Water Table Present? Yes No Depth (inches): 2

Saturation Present? Yes No Depth (inches): 0

(includes capillary fringe)

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks: recently irrigated



Federal Emergency Management Agency

Washington, D.C. 20472

JUN 21 2017

IN REPLY REFER TO:

The Honorable Virginia Bass
Chair, Humboldt County
Board of Supervisors
825 5th Street
Room 111
Eureka, California 95501

Case Number: 11-09-0847V
Community: Humboldt County, California
(Unincorporated Areas)

Community No.: 060060
Effective Date: June 22, 2017

Revised FIRM Panel Nos.:

06023C0005G, 06023C0010G, 06023C0015G,
06023C0020G, 06023C0155G, 06023C0160G,
06023C0320G, 06023C0330G, 06023C0340G,
06023C0350G, 06023C0485G, 06023C0495G,
06023C0515G, 06023C0525G, 06023C0660G,
06023C0670G, 06023C0680G, 06023C0830G,
06023C0835G, 06023C0839G, 06023C0840G,
06023C0843G, 06023C0845G, 06023C0852G,
06023C0854G, 06023C0855G, 06023C0865G,
06023C0985G, 06023C0990G, 06023C0995G,
06023C1005G, 06023C1015G, 06023C1025G,
06023C1170G, 06023C1180G, 06023C1190G,
06023C1195G, 06023C1360G, 06023C1370G,
06023C1390G, 06023C1400G, 06023C1555G,
06023C1565G, 06023C1575G, 06023C1730G,
06023C1735G, 06023C1745G, 06023C1765G,
06023C1770G, 06023C1775G, 06023C1910G,
06023C1930G, 06023C1935G, 06023C1940G,
06023C1945G

REVALIDATION 2

Dear Ms. Bass:

When a new National Flood Insurance Program (NFIP) map panel becomes effective, it automatically supersedes previously issued Letter of Map Change (LOMC) actions (i.e., Letters of Map Revision-based on Fill [LOMR-Fs] and Letters of Map Amendment [LOMAs]) that have been issued on that map panel, even if they are still valid and should apply to the new NFIP map as well. Because a revised NFIP map has been prepared for your community, it is necessary for the Federal Emergency Management Agency (FEMA) to take administrative action to prevent valid LOMR-Fs and LOMAs from being superseded. Accordingly, the purpose of this letter is to revalidate the determinations for properties and/or structures in your community as described in the LOMR-Fs and LOMAs previously issued by FEMA on the dates listed below. As of the above-referenced effective date, these LOMR-Fs and LOMAs will revise the effective NFIP map for the referenced community, dated June 21, 2017, and will remain in effect until superseded by a revision to the NFIP map panel on which the property is located.

Please be advised, the revalidation letter effective November 5, 2016, case number 07-09-0269V, for the Unincorporated Areas of Humboldt County has been superseded. All LOMR-Fs and LOMAs from that

letter have been reviewed and have been incorporated into this updated revalidation letter if appropriate. Please note all LOMCs with effective dates after November 5, 2016, that are located on non-revised panels for your community, will remain valid until superseded by a revision to the NFIP map panel on which the property is located. The LOMCs on non-revised NFIP map panels are not included in the table below. The FEMA case numbers, when available, property identifiers, Flood Insurance Rate Map (FIRM) Panel numbers, and current flood insurance zones of the revalidated LOMR-Fs and LOMAs are listed below.

Because these revalidated LOMR-Fs and LOMAs will not be printed or distributed to primary map users, such as local insurance agents and mortgage lenders, your community will serve as a repository for these new data. We encourage you to disseminate the information reflected by this letter throughout your community so that interested persons, such as property owners, local insurance agents, and mortgage lenders, may benefit from the information.

If you feel a LOMC has been omitted from the list that should have been included, we encourage you to submit the LOMC for re-determination. When requesting a re-determination, we ask that a cover letter be sent along with a copy of the original determination letter to: LOMC Clearinghouse, 3601 Eisenhower Avenue, Suite 500, Alexandria, Virginia 22304-6426.

If you have any questions regarding this matter, please contact the FEMA Regional Office at 111 Broadway Street, Suite 1200, Oakland, California or by phone at (510) 627-7100. Copies of previously issued LOMR-Fs and LOMAs, if needed, can be obtained by contacting the FEMA Map Information eXchange (FMIX), toll free at (877) 336-2627 (877-FEMA-MAP).

Sincerely,



Luis Rodriguez, P.E., Director
Engineering and Modeling Division
Federal Insurance and Mitigation Administration

cc: LOMC Subscription Service Subscribers
Community Map Repository
Mr. Todd Sobolik, Chief Building Official and Floodplain Administrator, Humboldt County

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
95-09-334A	4/26/1995	SANTA CLARA TRACT, BLOCK 7, LOTS 1-4-- 2845 ESSEX ST.	06023C0845G	X
04-09-0207A	4/23/2004	90 EVERGREEN WAY -- PORTION OF SECTION 16, T2S, R2W, H.M.	06023C1575G	X
04-09-0449A	4/23/2004	1229 LIGHTHOUSE ROAD -- PORTION OF SECTION 16, T2S, R2W, H.M.	06023C1575G	X
05-09-0128A	3/23/2005	TRACT 488, PARCEL 3--2351 OAK RIDGE TERRACE LANE	06023C0865G	X
06-09-BD67A	8/15/2006	1889 COPENHAGEN ROAD	06023C1015G	X
09-09-0145A	11/4/2008	565 MCDONALD CREEK ROAD -- A PORTION OF SECTION 32, TOWNSHIP 10 NORTH, RANGE 1 EAST, HBM	06023C0330G	X
09-09-1845A	7/9/2009	62 SOLE AVENUE -- Lots 16 - 18, Block 5, King Salmon Resort	06023C1025G	X
10-09-0293A	12/8/2009	2426 & 2428 OLD ARCATA ROAD	06023C0854G	Multiple
12-09-1883A	6/7/2012	SECTIONS 23 & 24, T8N, R1W -- 94 STUMPTOWN ROAD	06023C0485G	X
12-09-3182A	11/8/2012	SECTION 29, T7N, R1E -- 1675 MURRAY ROAD	06023C0680G	X
13-09-1029A	1/31/2013	SANTA CLARA TRACT, BLOCK 7, LOTS 5-9 -- 2836 NORTH STREET	06023C0845G	X
13-09-2942A	9/19/2013	TRACT NO. 151, BEAU PRE SUBDIVISION, PORTION OF LOT 1 -- 3180 EAGLE LANE	06023C0680G	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
14-09-1014A	1/30/2014	SECTION 24, T5N, R1W, HUMBOLDT MERIDIAN -- 2899 NORTH STREET	06023C0845G	X
14-09-2045A	4/15/2014	PARCEL MAP 2102, PARCEL 1 -- 979 PINE HILL ROAD	06023C0843G	X
14-09-2125A	4/29/2014	SECTION 32, T7N, R1E, HUMBOLDT MERIDIAN -- 1654 MURRAY ROAD	06023C0680G	X
14-09-2454A	5/13/2014	SECTION 24, T5N, R1W, HUMBOLDT MERIDIAN -- 2929 NORTH STREET	06023C0845G	X
14-09-2282A	5/29/2014	SECTION 18, T4S, R3E, HUMBOLDT MERIDIAN -- 6000 BRICELAND-THORN ROAD	06023C1975F	X
14-09-3628A	7/15/2014	MYERS TRACT, PORTION LOTS 98 & 113 -- 851 PINE HILL ROAD	06023C0843G	X
15-09-2485A	9/4/2015	EDWIN P. FREDRICKSON, PARCEL A -- 207 FREDRICKSON LANE	06023C0843G	X
17-09-0524A	1/9/2017	PARCEL MAP NO. 1655, PARCEL 1 -- 2473 GOLDFINCH LANE	06023C0680G	X
17-09-0857A	3/20/2017	SECTION 16, T2S, R2W -- 1311 LIGHTHOUSE ROAD	06023C1575G	X
17-09-0981A	3/31/2017	SECTION 26, T4N, R1W -- 8472 ELK RIVER ROAD	06023C1025G	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

The letters shown below were revalidated by case number 07-09-0269V. They are revalidated automatically by this letter because they are not located on a revised FIRM panel.

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
92-09-087B	10/2/1992	TRACT 23, PACIFIC MANOR SUBDIV UNIT 1, LOT 11 -- 1999 UPPER BAY ROAD	06023C0690F	X
94-09-817A	9/20/1994	44 SOUTH 12TH STREET -- APN 200-353-18	06023C1209F	X
95-09-553A	6/16/1995	PORTION OF SECTION 16, T2S, R2W	06023C1575F	X
96-09-909A	9/3/1996	4651 PARTON LANE -- PORTION OF SECTION 17, T6N, R1E, H.M.	06023C0690F	X
97-09-262A	1/2/1997	PARCEL 1, PARCEL MAP NO. 438-- 4090 OLD RAILROAD GRADE ROAD	06023C0685F	X
97-09-502A	3/10/1997	2160 GLENDALE DRIVE -- PORTION OF SECTION 13, T6N, R1E, H.B.&M.	06023C0694F	X
97-09-1184A	10/23/1997	3422 FOSTER AVENUE -- PORTION OF SECTION 19, T6N, R1E, H.M.	06023C0690F	X
98-09-088A	10/30/1997	SIMPSON TIMBER CO, PORTION OF SECTIONS 19, 20, 29 & 30, T6N, R1E, H.M.	06023C0690F	X
98-09-786A	7/9/1998	3787 SPEAR STREET -- PORTION OF SECTION 20, T6N, R1E, H.M.	06023C0690F	X
98-09-1069A	9/18/1998	TRACT 25, LITTLE GOLDEN GATE SUBDIV, LOT 46 -- 280 ACKERMAN LANE	06023C1500F	X
99-09-057A	11/2/1998	TRACT 23, PACIFIC MANOR SUBDIV UNIT 1, LOT 13 -- 1987 UPPER BAY ROAD	06023C0690F	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
99-09-201A	12/23/1998	TRACT 23, PACIFIC MANOR SUBDIV UNIT 1, LOT 2 -- 2068 ERNEST AVENUE	06023C0690F	X
99-09-813A	6/11/1999	3510 NEWBURG ROAD -- PARCEL 2, PARCEL MAP NO. 171	06023C1207F	X
99-09-915A	7/9/1999	220 MAPLE HILLS ROAD -- A PORTION OF SECTIONS 10 & 11, T3S, R3E, H.M.	06023C1850F	X
00-09-327A	2/24/2000	TRACT 64, PACIFIC MANOR SUBDIV UNIT 6, LOT 156 -- 2061 ERNEST WAY	06023C0690F	X
01-09-711A	6/6/2001	120 FRANCES GROVE LANE -- PARCEL MAP 3087, PARCEL 3	06023C1850F	X
02-09-699A	6/26/2002	3805 FOSTER AVENUE -- PORTION OF SECTION 30, T6N, R1E, H.M.	06023C0690F	X
02-09-1134A	7/17/2002	TRACT 27, RIVERSIDE ESTATES SUBDIV UNIT 1, LOTS 20 & 21 -- 72 KIRK COURT	06023C1455F	X
04-09-0105A	11/25/2003	151 ETTER RANCH ROAD -- PORTION OF SECTION 6, T4S, R2E, H.M.	06023C1825F	X
04-09-0003A	12/16/2003	220 CROSBY ROAD -- PORTION OF SECTION 8, T2N, R1W, H.M.	06023C1205F	X
04-09-0215A	1/7/2004	96 CHURCH LANE -- PORTION OF SECTION 31, T2N, R2E, H.M. (APN: 206- 441-32)	06023C1275F	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
04-09-0292A	2/13/2004	PORTION OF SECTION 14, T4S, R3E, H.M. (APN: 77-281- 05)	06023C1980F	X
04-09-0561A	3/1/2004	176 CHURCH LANE -- PORTION OF SECTION 31, T2N, R2E, H.M. (APN: 206- 431-006)	06023C1275F	X
05-09-0296A	2/1/2005	TRACT 72, KIMTU MEADOWS SUBDIV, LOT 12 -- 1653 KIMTU DRIVE	06023C1980F	X
05-09-1452A	9/7/2005	TRACT 64, LOT 149 -- 2043 ERNEST WAY	06023C0690F	X
05-09-1558A	9/7/2005	TRACT NO. 32, PACIFIC MANOR SUBDIV, UNIT 2, LOT 20 -- 3032 JANES ROAD	06023C0689F	X
05-09-1656A	10/4/2005	3018 JANES ROAD, PORT OF SEC 20, T6N, R1E, H.M.	06023C0689F	X
06-09-0237A	1/31/2006	72 LOVE LEE LANE	06023C1245F	X
07-09-1455A	7/10/2007	244 CHURCH LANE -- A PORTION OF SECTION 31, T2N, R2E, H.M.	06023C1275F	X
07-09-1966X	10/2/2007	BUILDINGS A-G -- 1749 ALAMAR WAY	06023C1209F	X
08-09-0321A	1/7/2008	PACIFIC MANOR SUBDIV, UNIT 2, LOT 24 -- 1957 EDITH DRIVE	06023C0869F	X
08-09-0439A	4/17/2008	PACIFIC MANOR SUBDIV 6, LOT 162 -- 2026 BALL COURT	06023C0690F	X
08-09-0899A	5/22/2008	LOT 42, TRACT 33, PACIFIC MANOR SUBDIVISION UNIT 3 -- 1984 LESLIE COURT	06023C0690F	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
08-09-1269A	7/10/2008	MANOR SUBDIV, TRACT 33, UNIT 3, LOT 35 -- 3054 ALICE AVENUE	06023C0690F	X
08-09-1665A	9/4/2008	PACIFIC MANOR SUBDIV, BLOCK 3, LOT 55-- 1994 EDITH DRIVE	06023C0690F	X
09-09-0289A	12/18/2008	PACIFIC MANOR SUBDIV UNIT 3, TRACT 33, LOT 38 -- 3031 ALICE AVENUE	06023C0690F	X
09-09-0443A	1/13/2009	8821 & 8833 WEST END ROAD -- PORTION OF SECTION 15, T6N, R1E, H.M.	06023C0695F	X
09-09-0566A	7/2/2009	211 CHURCH LANE -- A PORTION OF SECTION 31, T2N, R2E, H.M.	06023C1275F	X
09-09-2422A	8/18/2009	77 LOVE LEE LANE -- A PORTION OF SECTION 26, T2N, R1E, H.M.	06023C1245F	X
09-09-2222A	9/17/2009	120 East Branch Road, Garberville, CA 95442	06023C1985F	X
09-09-2881A	10/20/2009	121 Northwestern Avenue -- Sec 36, T2N, R1W, Humboldt Meridian	06023C1220F	X
10-09-0703A	3/25/2010	(70-RS) PARCEL 1 -- 619 SHELTER COVE RD	06023C1975F	X
10-09-3805A	10/5/2010	(70-RS) TRACT 33, PACIFIC MANOR SUBDIVISION UNIT 3, LOT 37 -- 3030 ALICE AVENUE	06023C0690F	X
10-09-3644A	10/7/2010	(70-RS) TRACT NO. 33, PACIFIC MANOR SUBDIVISION UNIT NO. 3, LOT 27 -- 1983 EDITH DRIVE	06023C0690F	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
11-09-0645A	1/6/2011	(70-OAS) SECTION 16, T2N, R1W, H.M. -- 434 HARBERS LANE	06023C1215F	X
11-09-1945A	4/26/2011	(70-RS) LOT 4, TRACT 48, RIVERCREST -- 33 RIVER CREST DRIVE	06023C1985F	X
11-09-2755A	6/7/2011	(70-RS) PACIFIC MANOR SUBDIVISION, UNIT 6, TRACT 64, LOT 167 -- 2045 BALL COURT	06023C0690F	X
11-09-2812A	6/7/2011	(70-RS) PACIFIC MANOR SUBDIVISION UNIT 6, LOT 163 -- 2025 BALL COURT	06023C0690F	X
11-09-2956A	6/21/2011	(70-R) A PORTION OF SECTION 19, T6N, R1E, H.M. - - 3212 & 3266 FOSTER AVENUE	06023C0690F	X
11-09-3084A	6/30/2011	(70-RS) TRACT NO. 23, PACIFIC MANOR SUBDIVISION UNIT 1, LOT 17 -- 1963 UPPER BAY ROAD	06023C0690F	X
11-09-2871A	7/19/2011	(65-RS) PARCEL 3 -- 1455, 1465, 1487 SAND PRAIRIE COURT	06023C1209F	X
11-09-2789A	8/25/2011	(70-RS) SECTION 6, T1N, R2E -- 802 RIVERSIDE PARK ROAD	06023C1455F	X
11-09-4046A	11/1/2011	TRACT NO. 32, PACIFIC MANOR SUBDIVISION, UNIT 2, LOT 23 -- 3076 JANES ROAD	06023C0689F	X
12-09-0478A	1/10/2012	TRACT 33, PACIFIC MANOR UNIT 3, LOT 43 -- 1978 LESLIE COURT	06023C0690F	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
12-09-0346A	1/24/2012	SECTION 6, T1N, R2E -- 36 FIR LOOP COURT	06023C1455F	X
12-09-1854A	6/12/2012	SECTION 24, T6N, R1E, HUMBOLDT MERIDIAN -- 2350 GLENDALE DRIVE	06023C0694F	X
12-09-2911A	9/5/2012	Lot 4, Tract No. 179 Subdivision - 600 River Bend Road	06023C0760F	X
12-09-2686A	9/13/2012	TRACT NO. 64 PACIFIC MANOR SUBDIVISION UNIT SIX, LOT 158 -- 2050 BALL COURT	06023C0690F	X
13-09-1485A	4/23/2013	SECTION 29, T2N, R1E -- 1919 RIVER BAR ROAD	06023C1240F	X
13-09-1201A	4/25/2013	SECTION 31, T2N, R2E, H.M. - - 18 CHURCH LANE	06023C1275F	X
13-09-1754A	4/25/2013	2862 STATE HIGHWAY 254	06023C1850F	X
13-09-2163A	7/23/2013	SECTION 6, T5S, R2E -- 600 HUCKLEBERRY LANE	06023C1975F	X
13-09-2450A	8/1/2013	TRACT NO. 48 RIVERCREST SUBDIVISION, LOT 7 -- 34 RIVER CREST	06023C1985F	X
14-09-0314A	12/12/2013	TRACT NO. 33, PACIFIC MANOR SUBDIVISION UNIT THREE, LOT 36 -- 3042 ALICE AVENUE	06023C0690F	X
14-09-0315A	12/12/2013	TRACT NO. 23, PACIFIC MANOR SUBDIVISION UNIT ONE, LOT 10 -- 3014 ALICE AVENUE	06023C0690F	X
14-09-0725A	2/20/2014	PORTION SECTION 7, T1N, R3E, HUMBOLDT BASE AND MERIDIAN -- 18995 STATE HIGHWAY 36	06023C1460F	X

**REVALIDATED LETTERS OF MAP CHANGE FOR HUMBOLDT COUNTY,
CALIFORNIA**

Case No: 11-09-0847V

Community No.: 060060

June 22, 2017

Case No.	Date Issued	Project Identifier	Map Panel No.	Zone
14-09-1976A	3/11/2014	PACIFIC MANOR SUBDIVISION UNIT NO. 1, LOT 15 -- 19 UPPER BAY ROAD	06023C0690F	X
14-09-3244A	7/24/2014	SECTION 30, T6N, R1E -- 1850 DOLLY VARDEN ROAD	06023C0690F	X
15-09-0145A	11/25/2014	TRACT 33 PACIFIC MANOR UNIT THREE, LOT 52 -- 3055 ALICE AVENUE	06023C0690F	X
16-09-0008A	11/5/2015	PACIFIC MANOR, UNIT 4, TRACT 46, LOT 92 -- 2020 ERNEST WAY	06023C0690F	X
16-09-0105A	11/13/2015	PARCEL MAP NO. 438, PARCEL 2 -- 4050 OLD RAILROAD GRADE ROAD	06023C0685F	X
16-09-0640A	12/11/2015	712 Price Creek School Road	06023C1220F	X
16-09-1552A	4/29/2016	PARCEL MAP NO. 1303, PARCEL 4 -- 5280 SOUTH QUARRY ROAD	06023C0860F	X
16-09-1541A	5/4/2016	3645 HEINDON ROAD	06023C0689F	X
16-09-1880A	6/10/2016	TRACT NO. 33 PACIFIC MANOR UNIT THREE, LOT 45 -- 1972 LESLIE COURT	06023C0690F	X



Federal Emergency Management Agency

Washington, D.C. 20472

OCT 30 1997

Mr. Charles J. Roecklein, P.E.
SHN Consulting Engineers & Geologists
812 West Wabash
Eureka, California 95501-2138

IN REPLY REFER TO CASE NO. 98-09-088A
Follows Case Nos. 97-09-013A and 97-09-917A
Community: Humboldt County, California
Community No.: 060060
Map Panel Affected: 0615 C
Map Effective Date: August 5, 1986
218-70-R

Dear Mr. Roecklein:

We reviewed your request dated June 26, 1997, for a Letter of Map Amendment (LOMA). All required information for this request was received on October 22, 1997. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we determined the property described below is not in a Special Flood Hazard Area (SFHA), the area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

Property Description: A portion of Sections 19, 20, 29, and 30, Township 6 North, Range 1 East, Humboldt Meridian, as shown on the survey recorded as Instrument No. 12226 in Book 12 of Surveys, Page 13, in the Office of the Recorder, Humboldt County, California

See Below for affected parcels?

Flooding Source: Mad River

This letter amends the above-referenced NFIP map to remove the property from the SFHA. The property is now in Zone X (unshaded), an area of minimal flooding outside the SFHA.

This letter corrects the property description shown in the LOMA dated August 25, 1997.

The enclosed document provides additional information about LOMAs. If you have any questions about this letter, please contact Ms. Agnes De Coca of our staff in Washington, DC, either by telephone at (202) 646-2746 or by facsimile at (202) 646-4596.

Sincerely,

Frederick H. Sharrocks, Jr., Chief
Hazard Identification Branch
Mitigation Directorate

Enclosure

cc: Community Map Repository

*Affected parcels / A.P. Nos. - 505-151-03
506-131-01 & 11
506-231-02, 04 & 05
507-181-07*

APR 04 2001

Case No.: 01-09-300A

LOMA



Federal Emergency Management Agency

Washington, D.C. 20472

LETTER OF MAP AMENDMENT DETERMINATION DOCUMENT (REMOVAL)

COMMUNITY AND MAP PANEL INFORMATION		LEGAL PROPERTY DESCRIPTION
COMMUNITY	CITY OF ARCATA, HUMBOLDT COUNTY, CALIFORNIA	A portion of Sections 19 and 20, Township 6 North, Range 1 East, Humboldt Meridian, described as Parcels 1, 2, 3, 101661, and 101737 in the Grant Deed recorded as Instrument No. 2000-12273-10, in the Office of the Recorder, Humboldt County, California
	COMMUNITY NO: 060061, 060060	
MAP PANEL AFFECTED	NUMBER: 0600610002 E, 0600600615 D	
	NAME: CITY OF ARCATA, HUMBOLDT COUNTY, CALIFORNIA	
	DATE: 11/05/1997, 02/08/1999	
FLOODING SOURCE: MAD RIVER		APPROXIMATE LATITUDE & LONGITUDE: 40.895; -124.104 SOURCE OF LATITUDE & LONGITUDE: PRECISION MAPPING STREETS 4.0

DETERMINATION

LOT	BLOCK/SECTION	SUBDIVISION	STREET ADDRESS	OUTCOME WHAT IS REMOVED FROM THE SFHA	NEW FLOOD ZONE	1% ANNUAL CHANCE FLOOD ELEVATION (NGVD)	LOWEST ADJACENT GRADE ELEVATION (NGVD)	LOWEST FLOOR ELEVATION (NGVD)	LOWEST LOT ELEVATION (NGVD)
1	—	Section 20	—	Property	C	13.0 feet	—	—	26.0 feet

Special Flood Hazard Area (SFHA) – The SFHA is an area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

ADDITIONAL CONSIDERATIONS (if the appropriate box is checked, please refer to the appropriate section on Attachment 1)

1. DETERMINATION TABLE (CONTINUED)
 2. ZONE A

This document provides the Federal Emergency Management Agency's determination regarding a request for a Letter of Map Amendment for the property described above. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we determined the [structure(s) on the] property is/are not located in the SFHA, an area inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood). This document amends the effective NFIP map to remove the [structure / property] from the SFHA; therefore, the federal mandatory flood insurance requirement does not apply. However, the lender has the option to continue the flood insurance requirement to protect its financial risk on the loan. A Preferred Risk Policy (PRP) is available for buildings located outside the SFHA. Information about the PRP and how one can apply is enclosed.

This determination is based on the flood data presently available. The enclosed documents provide additional information regarding this determination. If you have any questions about this document, please contact the FEMA Map Assistance Center toll free at 1-877-336-2627 (FEMA MAP) or by letter addressed to the FEMA LOMA DEPOT, 3601 Eisenhower Avenue, Suite 600, Alexandria, VA 22304-6439.

Matthew B. Miller

Matthew B. Miller, P.E., Chief
Hazards Study Branch
Mitigation Directorate

APR 04 2001

Case No.: 01-09-300A

LOMA



Federal Emergency Management Agency
Washington, D.C. 20472

LETTER OF MAP AMENDMENT
DETERMINATION DOCUMENT (REMOVAL)
ATTACHMENT 1 (ADDITIONAL CONSIDERATIONS)

1. DETERMINATION DOCUMENT TABLE (CONTINUED)

LOT	BLOCK/ SECTION	SUBDIVISION	STREET ADDRESS	OUTCOME WHAT IS REMOVED FROM THE SFHA	NEW FLOOD ZONE	1% ANNUAL CHANGE FLOOD ELEVATION (NGVD)	LOWEST ADJACENT GRADE ELEVATION (NGVD)	LOWEST FLOOR ELEVATION (NGVD)	LOWEST LOT ELEVATION (NGVD)
2	—	Sections 19 and 20	—	Property	C	16.0 feet	—	—	19.0 feet
3	—	Section 20	—	Property	C	15.0 feet	—	—	27.0 feet
101661	—	Section 19	—	Property	C	16.0 feet	—	—	18.0 feet
101737	—	Section 20	—	Property	C	16.0 feet	—	—	23.0 feet

2. ZONE A

The NFIP map affecting this property depicts an SFHA that was determined using the best flood hazard data available to FEMA, but without performing a detailed engineering analysis. The flood elevation used to make this determination is based on approximate methods and has not been formalized through the standard process for establishing base flood elevations published in the Flood Insurance Study. This flood elevation is subject to change.

This attachment provides additional information regarding this request. If you have any questions about this attachment, please contact the Federal Emergency Management Agency Map Assistance Center toll free at 1-877-336-2627 (FEMA MAP) or by letter addressed to the FEMA LOMA DEPOT, 3601 Eisenhower Avenue, Suite 600, Alexandria, VA 22304-6439.

Matthew B. Miller

Matthew B. Miller, P.E., Chief
Hazards Study Branch
Mitigation Directorate



Federal Emergency Management Agency

Washington, D.C. 20472

OCT 30 1997

Mr. Charles J. Roecklein, P.E.
SHN Consulting Engineers & Geologists
812 West Wabash
Eureka, California 95501-2138

IN REPLY REFER TO CASE NO. 98-09-088A
Follows Case Nos. 97-09-013A and 97-09-917A
Community: Humboldt County, California
Community No.: 060060
Map Panel Affected: 0615 C
Map Effective Date: August 5, 1986
218-70-R

Dear Mr. Roecklein:

We reviewed your request dated June 26, 1997, for a Letter of Map Amendment (LOMA). All required information for this request was received on October 22, 1997. Using the information submitted and the effective National Flood Insurance Program (NFIP) map, we determined the property described below is not in a Special Flood Hazard Area (SFHA), the area that would be inundated by the flood having a 1-percent chance of being equaled or exceeded in any given year (base flood).

Property Description: A portion of Sections 19, 20, 29, and 30, Township 6 North, Range 1 East, Humboldt Meridian, as shown on the survey recorded as Instrument No. 12226 in Book 12 of Surveys, Page 13, in the Office of the Recorder, Humboldt County, California

See Below for affected parcels:

Flooding Source: Mad River

This letter amends the above-referenced NFIP map to remove the property from the SFHA. The property is now in Zone X (unshaded), an area of minimal flooding outside the SFHA.

This letter corrects the property description shown in the LOMA dated August 25, 1997.

The enclosed document provides additional information about LOMAs. If you have any questions about this letter, please contact Ms. Agnes De Coca of our staff in Washington, DC, either by telephone at (202) 646-2746 or by facsimile at (202) 646-4596.

Sincerely,

Frederick H. Sharrocks, Jr., Chief
Hazard Identification Branch
Mitigation Directorate

Enclosure

cc: Community Map Repository

Affected parcels / A.P. Nos.:
505-151-03
506-131-01 & 11
506-231-02
507-181-07

charged to 009

PTN SE 1/4 SEC 19 6N 1E

Z=F-14 CZ
I-20 INLAND

506-23

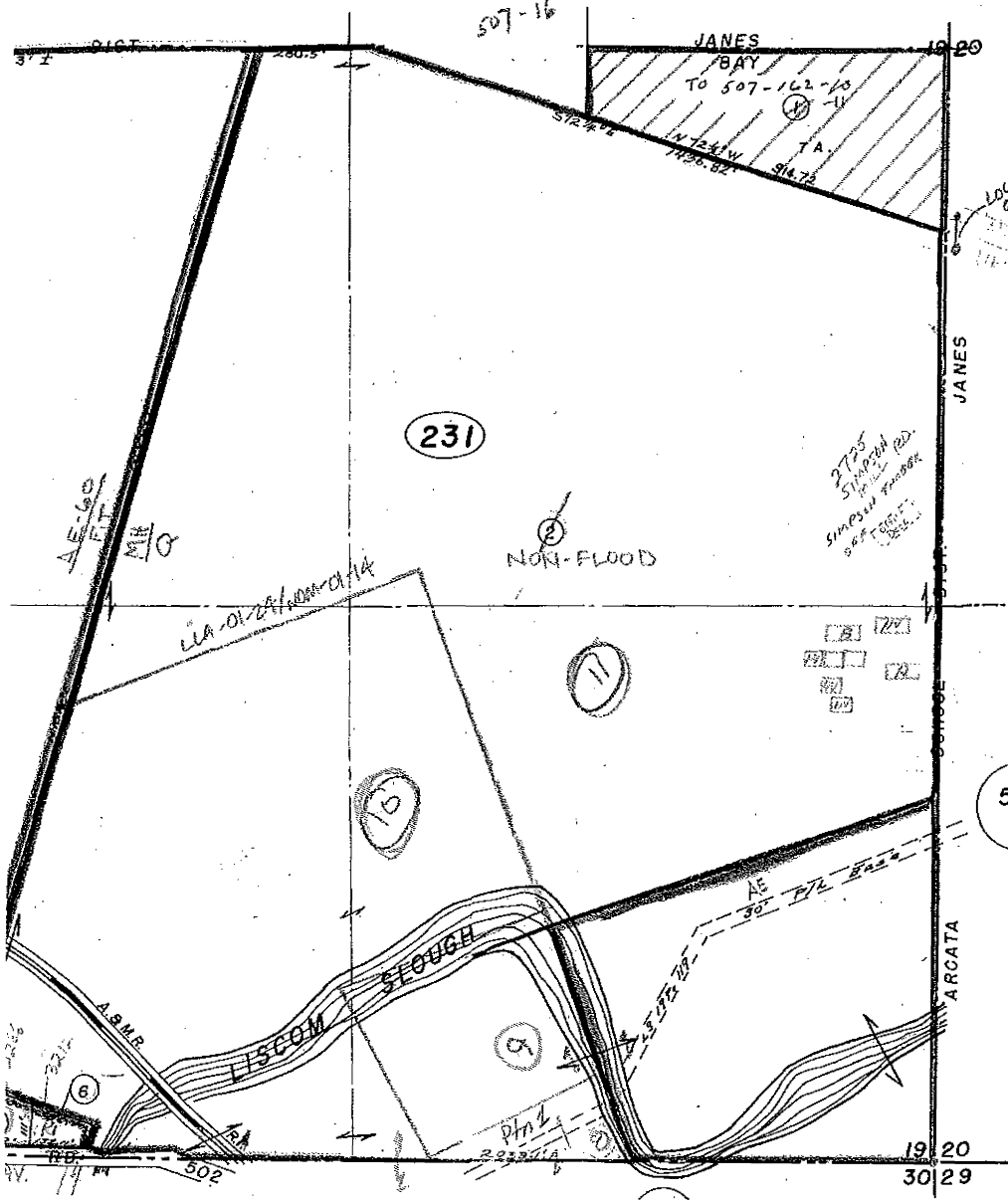
AE

1" = 300'
ALL
AE-60
FIT

MH 3/4
Q ORD. 1980

FIRM # 615
(510 2-2-97)

LS: 12 P 13
12 P 128
8 P 51
1A P 5



NOTE: PTN ON N LN OF
SE 1/4, N OF 506-231-02
B W OF 506-231-01 IS
ASSESSED ENTIRELY IN
JANES SCH. DIST.

Phase I Environmental Site Assessment Foster Clean Power Project Foster Avenue Arcata, California

Renewable America

4675 Stevens Creek Boulevard, Ste 250 | Santa Clara, CA 95051

October 28, 2022 | Project No. 404399001



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness
Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

Phase I Environmental Site Assessment

Foster Clean Power Project

Foster Avenue

Arcata, California

Mr. Housh Louyeh

Renewable America

4675 Stevens Creek Boulevard, Ste 250 | Santa Clara, CA 95051

October 28, 2022 | Project No. 404399001



Luke I. Swickard
Project Manager



Brandon S. Wilken
Principal Environmental Geologist

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Figure 2 - Site Plan

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A: RESUMES

B: SITE PHOTOGRAPHS

**C: ENVIRONMENTAL DATA RESOURCES (EDR) RADIUS MAP
REPORT**

D: SITE DOCUMENTATION AND REGULATORY RECORDS

E: HISTORICAL RESEARCH DOCUMENTATION

F: VAPOR ENCROACHMENT SCREENING MATRIX

EXECUTIVE SUMMARY

Ninyo & Moore was retained by Renewable America to perform a Phase I Environmental Site Assessment (ESA) on the property located on Foster Avenue in Arcata, California (site). The site is also identified as Humboldt County Assessor's Parcel Numbers 505-151-012-000, 506-231-019-000 , and 506-231-022-000. Former APNs include 505-151-003-000, 505-151-004-000, 506-131-014-000, and 506-231-011-000.

The objective of this ESA is to identify, to the extent feasible pursuant to the process described in ASTM E1527-21, recognized environmental conditions (RECs), which are defined by ASTM as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein. The results of this ESA are summarized below:

- Historical research revealed that the site was developed with a farmhouse and barn, and the remainder of the site was vacant land prior to the 1940s. In the late 1950s, part of the timber storage from the property to the northwest of the site was noted on the northern portion of the site, and by the late 1960s, the farmhouse and barn were removed from the site. By the mid-2000s, the timber storage on the northern portion of the site was removed and the site was developed with row crop agriculture.
- On October 20, 2022, Mr. Luke Swickard of Ninyo & Moore conducted a site reconnaissance of the property. The reconnaissance involved a visual inspection of the site, and observations of adjoining properties. At the time of the reconnaissance, the approximate 48.4-acre site was developed with row crop agriculture, as well an agricultural water well, and power lines.
- The areas surrounding the site consisted of agricultural land to the north; 2665 Foster Avenue, and agricultural land to the south; DeepSeeded Community Farm (2507 Wyatt Lane) and agricultural land to the east; and commercial development (2920 Foster Avenue) and agricultural land to the west.
- Based on our site visit, there is currently one agricultural water well on the site.
- Ninyo & Moore did not observe quantities of hazardous substances or petroleum products used or stored on site during our site reconnaissance.
- Indications of aboveground storage tanks (ASTs), underground storage tanks (USTs), or hazardous material spills or leaks, were not observed during the site reconnaissance.
- Review of an environmental database report obtained for this project indicated that the site is not listed on the regulatory databases researched by Environmental Data Resources Inc. (EDR).

- Several off-site facilities were located within the EDR search radius from the site. None of the listed facilities are considered to be a REC to the site at this time based on several factors, including distance from the site, location relative to the regional groundwater flow direction (e.g., hydraulically downgradient or crossgradient to the site), database listing type, and/or affected media (soil only). Refer to Section 5.1.2 for additional information regarding potential off-site facilities of concern.
- Based on the completion of the Vapor Encroachment Condition (VEC) screening matrix, it is presumed unlikely that a VEC currently exists beneath the site.

CONCLUSIONS

Ninyo & Moore has performed this ESA in conformance with the scope and limitations of ASTM E1527-21 of the property located on Foster Avenue in Arcata, California. Based on the information compiled during the preparation of this report, this assessment has revealed no evidence of RECs, Historical RECs (HRECs), or Controlled RECs (CRECs) associated with the site. No evidence of RECs was identified for the adjoining or nearby properties.

Concerning the agricultural history of the site, irrigated cultivated surficial soils can become contaminated with hazardous substances as a result of the application of agricultural chemicals. Certain organochlorine pesticides are persistent in the environment and residual pesticide concentrations in surface soils are consequently a possible contaminant on irrigated agricultural sites. We encountered no evidence during review of historic information suggesting that the site contained an agricultural chemical mixing or staging area, or manufacturing or warehousing facility, where pesticide residuals in soils could accumulate at concentrations greater than those that can occur as a result of normal cultivated field applications. Based on these circumstances, the health risk associated with former applications of agricultural chemicals to the property is likely low, and no further investigation for potential pesticides in soil is recommended at this time.

RECOMMENDATIONS

Based on the findings of this Phase I ESA, no further investigation is recommended at this time.

1. INTRODUCTION

Ninyo & Moore has performed this Phase I ESA in general conformance with the scope and limitations of ASTM E1527-21 of the property located on Foster Avenue in Arcata, California (site). This Phase I ESA was conducted for Renewable America. The following sections identify the purpose, the involved parties, the scope of services, and the limitations and exceptions associated with this ESA.

1.1. Purpose

In accordance with ASTM E1527-21, the objective of the ESA is to identify recognized environmental conditions. The term recognized environmental conditions (RECs) means (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not recognized environmental conditions."

Identification of RECs will fall into three categories: existing REC (as defined above), Historical REC (HREC), or Controlled REC (CREC).

- **HREC** - An HREC is defined as "a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the property to any controls (for example, activity and use limitations (AULs), or other property use limitations)."
- **CREC** - A CREC is defined as "recognized environmental condition affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, activity and use limitations, or other property use limitations)."

1.2. Involved Parties

Mr. Luke Swickard, Project Manager with Ninyo & Moore, conducted the site visit and performed the project reporting and research. Mr. Brandon Wilken, Principal Geologist with Ninyo & Moore, was the environmental professional assigned to this project, and performed project oversight and quality review. Resumes of these individuals are included in Appendix A.

1.3. Scope of Services

Ninyo & Moore's scope of services for this Phase I ESA included the following:

- Performed a site reconnaissance to visually and/or physically observe the interior and exterior of structures and other features on the site as well as visible exterior features of adjoining properties to identify areas of possibly contaminated surface soil or surface water, and possible risks of contamination from activities at the site and adjoining properties. Photographs of relevant site features are provided in Appendix B to this report.

- Reviewed reasonably ascertainable standard environmental record sources including federal, state, and tribal regulatory agency databases for the site and for properties located within a specified radius of the site (Appendix C). The purpose of this review was to evaluate possible environmental impacts to the site and site vicinity activities. These databases list locations of listed hazardous waste sites, landfills, leaking underground storage tank (LUST), and facilities that use, store, or dispose of hazardous materials and/or petroleum products.
- Reviewed reasonably ascertainable additional environmental record resources including local records and/or additional state or tribal records for the site and for properties located within a specified radius of the site. The purpose of this review was to evaluate possible environmental impacts to the site. These databases list locations of known hazardous waste sites, solid waste landfills, registered storage tanks, emergency releases, and facilities that use, store, or dispose of hazardous materials and/or petroleum products.
- Reviewed reasonably ascertainable standard physical setting sources including a current United States Geological Survey (USGS) 7.5-minute topographic map, and possibly including USGS and/or state groundwater and geologic maps, and soil maps. The purpose of this review was to note information about the geologic, hydrologic, and/or topographic characteristics of the site and site vicinity.
- Performance of interviews with present owners, operators, and occupants of the site as well as other knowledgeable parties as appropriate. The purpose of these interviews is to obtain information regarding potential RECs in connection with the site and adjoining properties (Appendix D).
- Reviewed reasonably ascertainable standard historical sources including aerial photographs, historical fire insurance rate maps, topographic maps, and city directories, as available. The purpose of this review was to review obvious uses of the site from the present, back to the site's first developed use, or back to 1940, whichever is earlier (Appendix E).
- Performed a preliminary vapor encroachment screening assessment on the site and adjoining properties (Appendix F).
- Preparation of this ESA report documenting the methodology, findings and opinions regarding RECs on and adjoining the site.

1.4. Limitations and Exceptions

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard of care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be

contacted if the reader requires any additional information or has questions regarding the content, interpretations presented, or completeness of this document. The findings, opinions, and conclusions are based on an analysis of the observed Site conditions and the referenced literature. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of man at the subject site or nearby locations. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control. Ninyo & Moore cannot warrant or guarantee that by not finding any indications of a hazardous material during the course of this assessment, that no hazardous materials exist on the site. Conditions may exist at a site that are outside the normal scope of what a Phase I ESA is intended to identify. Such conditions may include clandestine disposal of hazardous waste at a site, in a manner that was unregulated, and/or illegal. Additional research, including invasive testing, can reduce the uncertainty of hazardous materials being present within the air, soil, or groundwater at a specific location, but no techniques now commonly employed can eliminate that uncertainty altogether.

1.5. Special Terms and Conditions

Ninyo & Moore was not made aware of any special terms and conditions associated with the site.

1.6. User Reliance

This report may be relied upon by, and is intended exclusively for Renewable America, their successors, and assignees. Any use or reuse of the findings, opinions, and/or conclusions of this report by parties other than the aforementioned is undertaken at said parties' sole risk.

1.7. Physical Limitations

Physical limitations were not encountered during the site reconnaissance.

1.8. Data Gaps

A data gap is a "lack of or inability to obtain data required by this practice despite good faith efforts to gather such data." In completing this ESA, Ninyo & Moore encountered no significant data gaps that affect the ability of the *environmental professional* to identify RECs on the site or adjoining properties.

2. SUBJECT SITE

The following sections provide a general description of the site and adjacent properties. Photographs taken during the site reconnaissance are provided in Appendix B.

2.1. Site Description

At the time of the site reconnaissance, the site was developed with row crop agriculture and unoccupied. The site is located on Foster Avenue in Arcata, Humboldt County, California. The site is situated on two parcels totaling approximately 48.4 acres of land designated by Humboldt County Assessor's Parcel Numbers 505-151-012-000, 506-231-019-000 , and 506-231-022-000. The site vicinity is depicted on Figure 1 and the site detail with additional information concerning the surrounding properties is depicted on Figure 2 of this report.

2.2. Site Reconnaissance

On October 20, 2022, Mr. Luke Swickard, Project Manager with Ninyo & Moore, conducted a site reconnaissance of the property. The reconnaissance involved a visual and physical inspection of the site, and visual observations of adjoining properties. Mr. Lane DeVries, the site manager, escorted Mr. Swickard around the property during the site reconnaissance.

2.2.1. Site Improvements

At the time of the site reconnaissance, the site was developed with row crop agriculture, as well as an agricultural water well, and power lines. The following summarizes key on-site observations for indications of the following potential environmental concerns:

On-Site Observations		
Conditions	Observed	Comments
Hazardous Substances/Petroleum Products	No	
Waste Generation/Storage/Disposal	No	
Unidentified Substance Containers	No	
Storage Tanks (ASTs and/or USTs)	No	
Potential PCB-Containing Equipment	Yes	A pole-mounted transformer was located on the site. No signs of leaks or spills were observed.
Chemical/Petroleum Odors	No	
Concrete Patches/Pads	No	
Pools of Liquid	No	
Sewage Discharge Pipes	No	
Floor Drains/Sumps	No	
Elevator	No	
Wells	Yes	One agricultural water well was located on the central portion of the site.
Drums	No	
Indications of Staining	No	
Stressed Vegetation	No	
Pits, Ponds, or Lagoons	No	
Waste Water Discharges/Disposal Systems	No	
Storm Water Systems	No	
Septic Systems/Cesspools	No	
Municipal Solid Waste Disposal Areas	No	
Other Environmental Concerns or Conditions	No	

2.2.2. Roads

As shown on Figure 2, the site is accessible from Foster Avenue to the south.

2.2.3. Site Occupants

At the time of the site reconnaissance, the site was vacant, undeveloped land with no occupants.

2.2.4. Source of Potable Water

The site does not appear to be connected to a municipal water source.

2.2.5. Sewage Disposal System

Municipal and/or septic sewer service are not available on the site.

2.2.6. Source of Fuel for Heating and Cooling

Heating and/or cooling systems were not identified on the site.

2.3. Adjoining Properties

The following table lists the properties adjoining the site and associated land use. Based on the nature of the adjoining properties, information available in agency databases, and observations made during our site reconnaissance it is not likely that these properties have impacted the environmental integrity of the site at this time.

Adjoining Properties	
Location	Description
North	27th Street and Agricultural land.
South	Foster Avenue and Janes Road, 2665 Foster Avenue, and agricultural land.
East	DeepSeeded Community Farm (2507 Wyatt Lane) and agricultural land.
West	Former timber mill (2920 Foster Avenue) and agricultural land.

3. USER PROVIDED INFORMATION

The following sections summarize information provided by the user to assist the environmental professional in identifying the possibility of RECs in connection with the site and to fulfill the user's responsibilities in accordance with Section 6 of ASTM E1527-21. The User Questionnaire was completed on October 26, 2022, by Mr. Ardi Arian, Project Manager with Renewable America. A copy of the User Questionnaire is included in Appendix D.

3.1. Title Records

A Preliminary Title Report was provided to Ninyo & Moore. A Preliminary Title Report was completed for the site on July 9, 2021 by Fidelity National Title Insurance Company. No evidence of Recs were indicated in the report. A copy of the Preliminary Title Report is included in Appendix D.

3.2. Environmental Liens or AULs

Ninyo & Moore was not informed of the existence of environmental liens or AULs associated with the site.

3.3. Specialized Knowledge or Experience

Ninyo & Moore was not informed of the existence of specialized knowledge regarding the site.

3.4. Relationship of Purchase Price to Fair Market Value

Information pertaining to the relationship of the purchase price to the fair market value of the property was not communicated to Ninyo & Moore for the purpose of this assessment since there is no sale of the property.

3.5. Commonly Known or Reasonably Ascertainable Information

Ninyo & Moore does not have, and was not informed of the existence of, any commonly known or reasonably ascertainable information pertaining to the site that is material to the identification of RECs in connection with the site.

3.6. Degree of Obviousness of Contamination

Information pertaining to the *degree of obviousness of the presence of likely presence of contamination on the property* was not communicated to Ninyo & Moore for the purpose of this assessment.

3.7. Reason for Performing Phase I

This ESA has been completed for the exclusive use of Renewable America as part of their due diligence for AAI into the usage of the property.

3.8. Owner, Property Manager, and Occupant Information

The site is currently owned by Arcata Land Company LLC.

4. PHYSICAL SETTING

The following sections include discussions of topographic, geologic, and hydrologic conditions.

4.1. Topographic Conditions

Based on a review of the United States Geological Survey (USGS) 7.5-Minute Topographic Quadrangle Map Series of the Arcata North, California 2018 Quadrangle, the site is situated at an elevation of approximately 27 feet above mean sea level. The general topographic gradient (EDR 2022a) is in a southwesterly direction.

4.2. Geology and Soil Conditions

The site is located in the Coast Range geomorphic province of California. The Coast Ranges are northwest-trending mountain ranges (2,000 to 4,000, occasionally 6,000 feet elevation above sea level), and valleys. The ranges and valleys trend northwest, subparallel to the San Andreas Fault. Strata dip beneath alluvium of the Great Valley. To the west is the Pacific Ocean. The coastline is uplifted, terraced and wavecut. The Coast Ranges are composed of thick Mesozoic and Cenozoic sedimentary strata. The northern and southern ranges are separated by a depression containing the San Francisco Bay. The northern Coast Ranges are

dominated by irregular, knobby, landslide-topography of the Franciscan Complex. The eastern border is characterized by strike-ridges and valleys in Upper Mesozoic strata. In several areas, Franciscan rocks are overlain by volcanic cones and flows of the Quien Sabe, Sonoma and Clear Lake volcanic fields. The Coast Ranges are subparallel to the active San Andreas Fault. The San Andreas is more than 600 miles long, extending from Pt. Arena to the Gulf of California. West of the San Andreas is the Salinian Block, a granitic core extending from the southern extremity of the Coast Ranges to the north of the Farallon Islands (CGS, 2002). The 1977 California Division of Mines and Geology, *Geologic Map of California*: (Jennings C.W.) shows the site to be underlain by Quaternary Alluvium Deposits (Q). Based on our review of the EDR Radius Map report, the primary soil type beneath the site is mapped as Ferndale silt loam (EDR, 2022a).

4.3. Site Hydrology

The following sections discuss the Site hydrology in terms of surface water and groundwater.

4.3.1. Surface Waters

Surface waters, including ponds, streams, creeks, lagoons and other naturally occurring bodies of water, were not observed on the site at the time of our reconnaissance. The nearest named surface water body is Liscom Slough, which is located approximately 1,400 feet to the west of the site.

4.3.2. Groundwater

Groundwater information for the site was not available. Ninyo & Moore reviewed the State Water Resources Control Board's GeoTracker website (GeoTracker) for groundwater information in the site vicinity. According to GeoTracker, groundwater information reported in a Site Closure Report for the Former Simpson Remanufacturing Facility located at 3315 Foster Avenue (approximately 900 feet west of the site), the groundwater flow direction in the site vicinity was reported to be in a southeasterly direction and the depth to groundwater was reported to be approximately 12 to 15 feet below ground surface. Groundwater depths and flow directions can vary due to seasonal variations, groundwater withdrawal or injection, and other factors.

5. RECORDS REVIEW

The following sections summarize records reviewed for the site.

5.1. Environmental Record Sources

Ninyo & Moore reviewed an environmental information database report prepared by Environmental Data Resources, Inc. (EDR, 2022a) for the site and site vicinity dated October 4, 2022. The EDR report included a search of Federal, State, Tribal and Local databases. The review was conducted to evaluate whether or not the site or nearby properties have been listed as having experienced unauthorized releases of hazardous substances or petroleum products that may have impacted the Site. A summary of the environmental databases searched, their

corresponding search distance, and the number of listed off-site properties with the potential to be a REC in regard to the site are presented in the following table. A copy of the EDR Radius Map Report is presented in Appendix C.

Map Findings Summary								
Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
Leaking Underground Fuel Tank Report (GEOTRACKER)		0.5	0	0	3	NR	NR	3
Voluntary Cleanup Program Properties		0.5	0	1	0	NR	NR	1
"Cortese" Hazardous Waste & Substances Sites List		0.5	0	0	3	NR	NR	3
EnviroStor Database		1	0	1	0	2	NR	3
Hazardous Waste & Substance Site List		0.5	0	0	3	NR	NR	3
Statewide SLIC Cases (GEOTRACKER)		0.5	0	1	3	NR	NR	4
CUPA Facility List		0.25	0	1	NR	NR	NR	1

5.1.1. Regulatory Database Listings for the Site

The site address was not listed in the regulatory databases researched by EDR for the Radius Report.

5.1.2. Regulatory Database Listings for Off-Site Properties

Off-site properties/facilities listed in the **Map Findings Summary** table are evaluated as to their potential to impact soil, soil vapor, and/or groundwater at the site. No off-site facilities were mapped within the requested ASTM search radius conducted by EDR that have impacted the site based on a number of factors, including, but not limited to, their proximity to the site, the nature of the database on which they are listed, and/or the assumed direction of groundwater flow in the site vicinity (southeasterly). It is our opinion that there is a low likelihood that the off-site properties listed in the Map Findings Summary table above represent a REC.

5.2. Additional Environmental Record Sources

To enhance and supplement the standard environmental record sources identified in Section 5.1, additional local and/or federal, state, or tribal records shall be checked when, in the judgement of the EP, such additional records (1) are reasonably ascertainable, (2) and sufficiently useful, accurate, and complete in light of the objective of the records review. Examples of additional record sources include department of health/environmental division, fire department, planning/building department, or local/regional water quality agencies. Ninyo & Moore contacted the following additional record sources:

- Humboldt County Department of Health and Human Services (HCDHHS)

- California Regional Water Quality Control Board (RWQCB)
- California Department of Toxic Substances Control (DTSC)
- State of California, Geologic Energy Management Division (CalGEM)

Descriptions of these agencies are provided in Sections 5.2.1 through 5.2.3 below.

5.2.1. State/County Environmental Record Sources

Ninyo & Moore reviewed the DTSC EnviroStor and the RWQCB GeoTracker websites for records associated with the site address. No records were available for the site through review of these agency databases.

The HCDHHS was contacted regarding hazardous materials or hazardous wastes records associated with the site address. Files or records were not available for the site address. A copy of the file review request response is included in Appendix D.

5.2.2. Local Record Sources

In completing this ESA, Ninyo & Moore concluded that contacting additional local record sources would not provide additional useful information in determining if a REC, HREC, CREC or de minimis condition exists at the site.

5.2.3. Gas & Oil Maps

According to the CalGEM Online Mapping System, the site does not lie within the administrative boundaries of an oil field and no oil or gas wells are located on the site.

5.3. Historical Use Information

Ninyo & Moore conducted a historical record search for the site. This included a review of one or more of the following resources that were found to be both reasonably ascertainable and useful for the purposes of this ESA: historical aerial photographs, historical fire insurance maps, historical topographic maps, land use records, and interviews with property representatives. The sources listed above provided limited information regarding the historical use of the site. Information gathered from the sources reviewed as a whole is adequate to develop a history of the previous uses of the site and the surrounding area in accordance with Section 8.3 of ASTM E1527-21. The following sections summarize information obtained from the historical sources utilized for this assessment. The following table provides a list of historical sources reviewed for this ESA. Copies of historical research documentation, such as fire insurance maps, historical aerial photographs, and topographic maps, are provided in Appendix E.

Historical Use Information		
Data Type	Year(s)	Data Limitations
EDR Sanborn Map Search/Print (Inquiry Number 7136660.3S) Ship Date: October 03rd, 2022		Map coverage not available
EDR Aerial Photo Decade Package (Inquiry Number 7136660.8S) Ship Date: October 04th, 2022	1941, 1954, 1957, 1969, 1972, 1974, 1983, 1989, 2005, 2009, 2012, 2016	None
EDR City Directory Abstract (Inquiry Number 7136660.5S) Ship Date: October 05th, 2022	1958, 1961, 1964, 1968, 1972, 1977, 1982, 1992, 1995, 2000, 2005, 2010, 2014, 2017	None
EDR Historical Topo Map (Inquiry Number 7136660.4S) Ship Date: October 03rd, 2022	1933, 1942, 1947, 1951, 1959, 1972, 2012, 2015, 2018	None

5.3.1. Sanborn Fire Insurance Maps

Ninyo & Moore reviewed the EDR Certified Sanborn Map Report, dated October 3, 2022 (EDR, 2022b) for historical fire insurance rate maps (Sanborn Maps) of the site. Sanborn Map coverage was not available for the site and/or adjoining areas. A copy of the Sanborn Map Report is included in Appendix E.

5.3.2. Historical Aerial Photographs

Ninyo & Moore reviewed the EDR Aerial Photo Decade Package report (EDR, 2022c) dated October 4, 2022. The report included aerial photographs that begin in 1937. A listing of the photographs reviewed is presented in the following table. Copies of the historical aerial photographs are provided in Appendix E.

Based on the review of the aerial photographs listed below, the site was developed with a farmhouse and barn, and the remainder of the site was vacant land prior to the 1940s. In the late 1950s, part of the timber storage from the property to the northwest of the site was noted on the northern portion of the site, and by the late 1960s, the farmhouse and barn were removed from the site. By the mid-2000s, the timber storage on the northern portion of the site was removed and the site was developed with row crop agriculture. The site vicinity appeared to be developed since at least the 1940s. No RECs were identified for the site based on historical aerial photograph review.

Summary of Aerial Photographs			
Year(s)	Source	Site Comments	Adjoining Area Comments
1941	EDR	The site was noted to be developed with a farmhouse and barn on the eastern portion, and the remainder of the site was vacant land.	The areas surrounding the site were noted to be developed with scattered farm buildings and vacant land. Foster Avenue and Janes Road were noted to the south of the site.
1954	EDR	No significant changes noted.	A timber company including three large buildings and timber storage was noted to the northwest of the site.
1957	EDR	Part of the timber storage from the property to the northwest of the site was noted on the northern portion of the site.	Additional timber company buildings and storage were noted to the northwest of the site.
1969	EDR	The farmhouse and barn were removed from the site.	No significant changes noted.

Year(s)	Source	Site Comments	Adjoining Area Comments
1972-1989	EDR	No significant changes noted.	No significant changes noted.
2005	EDR	The timber storage on the northern portion of the site was removed and the site was developed with row crop agriculture.	The timber storage to the northwest of the site was removed and the area was developed with row crop agriculture.
2009-2016	EDR	No significant changes noted.	No significant changes noted.

5.3.3. City Directories

Ninyo & Moore reviewed the EDR City Directory Image Report, dated October 5, 2022 (EDR, 2022b), for the site and adjoining properties, to evaluate facilities of potential concern, which may have been historically located on or adjoining to the site. The site has no physical address; therefore, it was not listed in the City Directories. Adjoining properties, as available, are discussed in the following table. A copy of the EDR City Directory Image report is included in Appendix E.

Summary of City Directory Listings	
Year(s)	Notable Listings in Address Range of Site
1958-1992	Adjoining Properties: 2665 Foster Avenue: Address not listed 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed
1995	Adjoining Properties: 2665 Foster Avenue: Taylor James A 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed
2000	Adjoining Properties: 2665 Foster Avenue: Address not listed 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed
2005	Adjoining Properties: 2665 Foster Avenue: Jowers Ashley 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed
2010	Adjoining Properties: 2665 Foster Avenue: Hollister B, Joseph Stephanie 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed
2014	Adjoining Properties: 2665 Foster Avenue: Anderson Charles K, Conboy Sarah E 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed
2017	Adjoining Properties: 2665 Foster Avenue: Pacheco Noemi 2920 Foster Avenue: Address not listed 2507 Wyatt Lane: Address not listed

5.3.4. Historical Topographic Maps

Ninyo & Moore reviewed the EDR Historical Topo Map Report, dated October 3, 2022 (EDR, 2022e). A listing of the maps reviewed is presented in the following table. Copies of the historical topographic maps are provided in Appendix E.

The review of topographic maps listed below indicates the site was developed with a building prior to 1933 until prior to the early 1970s when the building was removed. Building structures were depicted adjacent to the east and south of the site since at least 1933. No

RECs were identified for the site or adjoining properties based on a review of the historical topographic maps.

Summary of Topographic Maps		
Year(s)	Quadrangle	Site Comments
1933	Eureka	The site was mapped as vacant land with a building on the eastern portion of the site. The site vicinity was mapped with scattered farm buildings and vacant land. A railroad track and road were mapped to the south of the site.
1942	Eureka	A slough was mapped on the central portion of the site.
1947-1959	Eureka,Arcata North,Arcata South	No significant changes mapped.
1972	Arcata North,Eureka,Arcata North,Arcata South	The building on the eastern portion of the site was no longer mapped.
2012-2018	Arcata North,Arcata South,Tyee City,Eureka	No buildings were mapped on the 2012 to 2018 topographic maps.

5.3.5. Title Records

A historical chain-of-title report was not requested by the Client for review by Ninyo & Moore during the completion of this report.

5.3.6. Recorded Environmental Liens and AULs

The EDR database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases, such as the *Engineering Controls Sites List* (US ENG CONTROLS), and *Institutional Controls Sites List* (US INST CONTROLS). Based on a review of the database report, the site was not listed on the EC or IC databases, and ECs and ICs were not identified through review of the Department of Toxic Substances Control *Land Use Restriction Sites database*, or through review of the State Water Resources, *Sites with Deed Restrictions database*. In addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and AUL records recorded against the site were not provided by the client. Performance of a review of these records was not included as part of the Phase I ESA scope of services, and unless notified otherwise, Ninyo & Moore assumes that the client is evaluating this information outside the scope of this report. An environmental lien search report was not requested by the client for review by Ninyo & Moore during the completion of this ESA.

5.3.7. Previous Investigations

Ninyo & Moore was not provided copies of prior reports completed for the site.

5.4. Adjoining Property Use Information

Adjoining properties were described in Section 2.3. Based on our site visit and review of agency files, none of the adjoining properties are considered to have impacted the site at this time.

6. PRELIMINARY VAPOR ENCROACHMENT SCREENING

Ninyo & Moore conducted a preliminary vapor encroachment screen (pVES) for potential chemicals of concern (COC). The pVES was based on the guidelines presented in the ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions. The purpose of the pVES was to identify a vapor encroachment condition (VEC), which is the presence or likely presence of COC vapors in sub-surface soils at the site as a result of a release of vapors from contaminated soil or groundwater either on or near the site. The potential for VECs beneath the site was evaluated using a Vapor Encroachment Screening Matrix (VESM). The VESM included performing a Search Distance Test to identify if there are any known or suspected contaminated sites surrounding or upgradient of the site within specific search radii, a COC Test (for those known or suspect contaminated sites identified within the Search Distance Test) to evaluate whether or not COC are likely to be present, and a Critical Distance Test to evaluate whether or not COC in a contaminated plume may be within the critical distance of the site (100 feet for non-petroleum hydrocarbon contaminants, and 30 feet for petroleum hydrocarbon contaminants).

Based on the completion of the VESM, it is presumed unlikely that a VEC currently exists beneath the site. A copy of the VESM is included in Appendix F.

7. INTERVIEWS

Interviews were conducted by Ninyo & Moore with the objective of obtaining information regarding potential environmental concerns in connection with the site.

7.1. Owner or Key Site Manager

Mr. Lane DeVries, the site manager, was interviewed during the site reconnaissance on October 20, 2022. Mr. DeVries provided access during the site visit and provided information about the site discussed throughout Section 3. Mr. DeVries was not aware of any hazardous materials incidents, spills, leaks or violations related to the site.

7.2. Past Owners

Past ownership entities were not made available to Ninyo & Moore during the preparation of this report. Therefore, interviews with past site owners were not conducted.

7.3. Environmental Regulatory Agency Inquiries

Ninyo & Moore submitted Public Records Requests for the site address to County, State, and Local environmental regulatory agencies. The following sections describe the agencies contacted and whether or not representatives from the agencies were interviewed.

7.3.1. State/County Environmental Agencies

Ninyo & Moore reviewed the DTSC EnviroStor website and the RWQCB GeoTracker website for hazardous substances or hazardous materials files for the site address. No

records were available for the site. Based on this information, interviews were not conducted with DTSC or RWQCB representatives.

The HCDHHS was contacted regarding hazardous materials or hazardous wastes records associated with the site address. Files or records were not available for the site; therefore, interviews were not conducted with HCDHHS representatives.

7.3.2. Local Environmental Agencies

Local regulatory agencies were not contacted during the preparation of this report since the site address was not listed on any regulatory database that indicated an unauthorized release or any spills, leaks or violations.

8. ASTM NON-SCOPE CONSIDERATIONS

Non-Scope considerations such as mold, radon, wetlands, asbestos, or flood zones were not addressed as part of this report.

9. FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

The following findings, conclusions, and recommendations are provided.

9.1. Findings

- Historical research revealed that the site was developed with a farmhouse and barn, and the remainder of the site was vacant land prior to the 1940s. In the late 1950s, part of the timber storage from the property to the northwest of the site was noted on the northern portion of the site, and by the late 1960s, the farmhouse and barn were removed from the site. By the mid-2000s, the timber storage on the northern portion of the site was removed and the site was developed with row crop agriculture.
- On October 20, 2022, Mr. Luke Swickard of Ninyo & Moore conducted a site reconnaissance of the property. The reconnaissance involved a visual inspection of the site, and observations of adjoining properties. At the time of the reconnaissance, the approximate 48.4-acre site was developed with row crop agriculture, as well an agricultural water well, and power lines.
- The areas surrounding the site consisted of agricultural land to the north; 2665 Foster Avenue, and agricultural land to the south; DeepSeeded Community Farm (2507 Wyatt Lane) and agricultural land to the east; and commercial development (2920 Foster Avenue) and agricultural land to the west.
- Based on our site visit, there is currently one agricultural water well on the site.
- Ninyo & Moore did not observe quantities of hazardous substances or petroleum products used or stored on site during our site reconnaissance.
- Indications of aboveground storage tanks (ASTs), underground storage tanks (USTs), or hazardous material spills or leaks, were not observed during the site reconnaissance.

- Review of an environmental database report obtained for this project indicated that the site is not listed on the regulatory databases researched by Environmental Data Resources Inc. (EDR).
- Several off-site facilities were located within the EDR search radius from the site. None of the listed facilities are considered to be a REC to the site at this time based on several factors, including distance from the site, location relative to the regional groundwater flow direction (e.g., hydraulically downgradient or crossgradient to the site), database listing type, and/or affected media (soil only). Refer to Section 5.1.2 for additional information regarding potential off-site facilities of concern.
- Based on the completion of the Vapor Encroachment Condition (VEC) screening matrix, it is presumed unlikely that a VEC currently exists beneath the site.

9.2. Conclusions

Ninyo & Moore has performed this ESA in conformance with the scope and limitations of ASTM E1527-21 of the property located on Foster Avenue in Arcata, California. Based on the information compiled during the preparation of this report, this assessment has revealed no evidence of RECs, Historical RECs (HRECs), or Controlled RECs (CRECs) associated with the site. No evidence of RECs was identified for the adjoining or nearby properties.

Concerning the agricultural history of the site, irrigated cultivated surficial soils can become contaminated with hazardous substances as a result of the application of agricultural chemicals. Certain organochlorine pesticides are persistent in the environment and residual pesticide concentrations in surface soils are consequently a possible contaminant on irrigated agricultural sites. We encountered no evidence during review of historic information suggesting that the site contained an agricultural chemical mixing or staging area, or manufacturing or warehousing facility, where pesticide residuals in soils could accumulate at concentrations greater than those that can occur as a result of normal cultivated field applications. Based on these circumstances, the health risk associated with former applications of agricultural chemicals to the property is likely low, and no further investigation for potential pesticides in soil is recommended at this time.

9.2.1. RECs

RECs were not identified during the preparation of this report.

9.2.2. CRECs

CRECs were not identified during the preparation of this report.

9.2.3. HRECs

HRECs were not identified during the preparation of this report.

9.2.4. De Minimis Conditions

De minimis conditions were not identified during the preparation of this report.

9.3. Recommendations

Based on the findings of this Phase I ESA, no further investigation is recommended at this time.

9.4. Limiting Conditions/Deviations

This report was prepared in accordance with ASTM E1527-21. No deviations from the standard occurred in this ESA. Based on the information gathered by Ninyo & Moore for the purposes of this ESA, it is Ninyo & Moore's opinion the data obtained from the site reconnaissance, records reviewed, and interviews conducted, is adequate to make a conclusion on the environmental condition of the site with respect to the existence or lack of RECs associated with the site.

10. ENVIRONMENTAL PROFESSIONAL STATEMENT

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

Site Assessor



Luke I. Swickard
Project Manager

Senior Reviewer



Brandon S. Wilken
Principal Environmental Geologist

Certification:

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 40 CFR 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 the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.



Brandon S. Wilken - Principal Environmental Geologist

11. REFERENCES

US Environmental Protection Agency (EPA). All Appropriate Inquiry (AAI), Title 40 of Code of Federal Regulations (CFR) Section 312.10.

ASTM International, 2021, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, Designation E1527-21.

California Department of Conservation, California Geological Survey (CGS), 2010. California Geomorphic Provinces, Note 36.

Environmental Data Resources (EDR 2022a), The Environmental Data Resources Radius Map Report with GeoCheck, dated October 3.

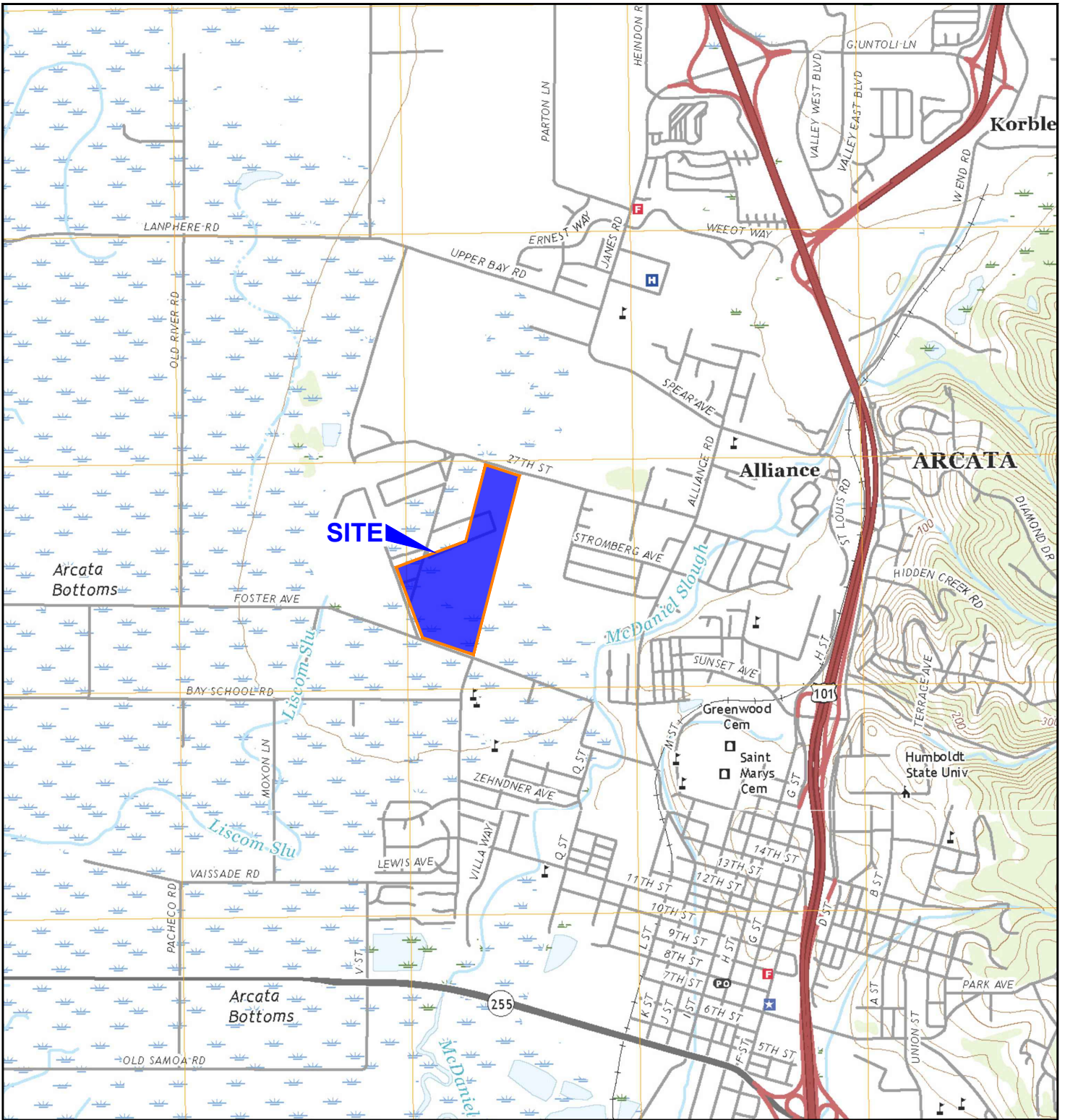
Environmental Data Resources (EDR, 2022b), The Environmental Data Resources Sanborn Map Report, dated October 3.

Environmental Data Resources (EDR 2022c), The Environmental Data Resources Aerial Photo Decade Package, dated October 4.

Environmental Data Resources (EDR, 2022d), The Environmental Data Resources City Directory Report, dated October 5.

Environmental Data Resources (EDR, 2022e), The Environmental Data Resources Historical Topographic Map Report, dated October 3.

FIGURES



404399001.dwg 11/10/2022.AEK

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE | REFERENCE: USGS, 2018

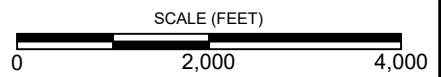
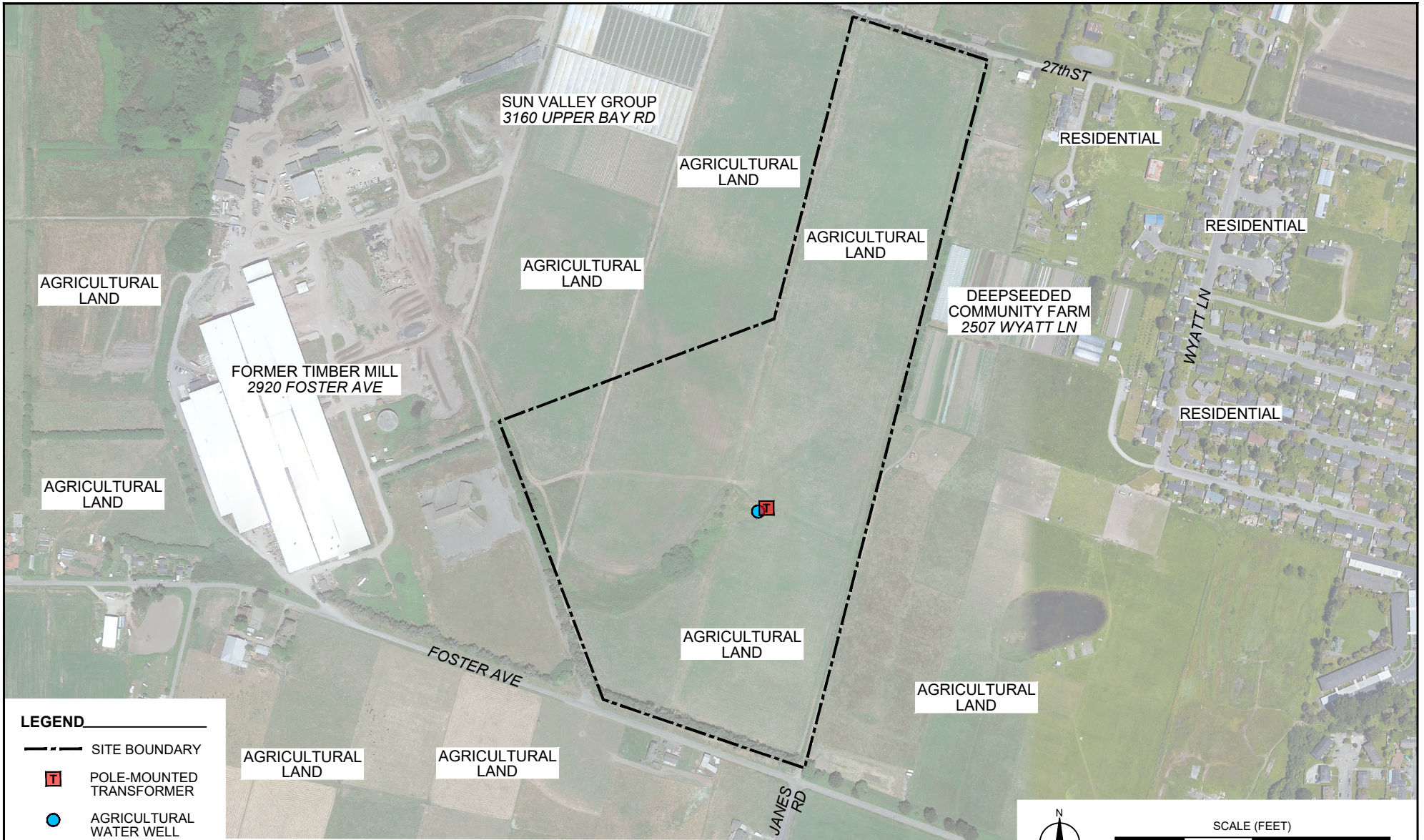


FIGURE 1



404399001.dwg 11/10/2022 AEK

LEGEND

- SITE BOUNDARY
- POLE-MOUNTED TRANSFORMER
- AGRICULTURAL WATER WELL

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE | REFERENCE: GOOGLE EARTH, 2022

N

SCALE (FEET)

0 500 1,000

Appendix A:
RESUMES

Brandon S. Wilken, PG, QSD/P

Principal Geologist



EDUCATION

B.S., Geology, 1996, University of Nebraska-Lincoln

REGISTRATIONS/ CERTIFICATIONS

PG 7564 (California)

Qualified SWPPP Developer/Practitioner,
QSD/P, No. 28075 (California)

OSHA 8 hour Refresher

PROFESSIONAL AFFILIATIONS

California Groundwater Resource
Association (GRA)

Geologic Society of America (GSA) –
Hydrogeology Division

As a Principal Geologist for Ninyo & Moore, Mr. Wilken has extensive experience in the Environmental industry and started his career working in the field all over North America for a hard rock mineral exploration company. His experience in field geophysics led him to the contaminant assessment and remediation industry, providing professional geologic services including environmental hydrogeology, site investigation, remedial planning and implementation, health risk screening, due diligence, regulatory negotiations, and litigation support. Mr. Wilken has lead investigation and remediation projects driving risk-based solutions to successfully close environmental projects and reduce client's costs. He works closely with regulators, stakeholders, and clients to negotiate effective solutions utilizing sound science, strong technical expertise, and clear communication skills. Mr. Wilken has completed projects for a wide range of clients, including major oil companies, municipalities, manufacturing groups, and individual small business owners.

EXPERIENCE

City of Richmond, Boorman Park, Richmond, California: Principal Geologist for development of a work plan for continued assessment related to park renovations. The site is adjacent to a railroad line and was the location of a former pottery manufacturer. The soils at the site are impacted with arsenic, lead, and poly aromatic hydrocarbons (PAHs). Several berms of impacted soil will be removed and an engineered cap will be installed to limit exposure to deeper soil impacts at the park.

Dublin Unified School District, Emerald High School, Dublin, California: Principal Geologist for the characterization of approximately 7,000 cubic yards of soil for reuse off-site. The Alameda County Department of Environmental Health Local Oversight Program's Soil Import/Export Characterization Requirements memo was utilized to design the sampling strategy and determine the analytical suite necessary to characterize the soil for reuse. A total of 14 discrete soil samples were collected from several stockpiles located across the active construction site and analyzed at a certified laboratory. Based on the analytical results and our analysis, the soil was approved for off-site reuse. The client saved a significant amount of money from not having to pay to dispose of the soil at a landfill.

Presidio Trust, Presidio of San Francisco, San Francisco, California: Principal Geologist for previous soil assessment related to characterization of lead impacts at the site. This assessment adequately delineated lead impacts horizontally and vertically in soil. Currently designing a sampling approach to pre-characterize approximately 2,300 cubic yards of soil for off-site disposal. The soils will be generated by excavating directly adjacent to historic warehouses that are in the process of being rehabilitated within the Land Use Control area and Land Use Notification area.

Port of Oakland, On-Call Environmental Compliance Services and Asbestos and Lead Paint Service Contract, Oakland, California: Assist the Project Manager for the current Port of Oakland Environmental Compliance and On-Call Asbestos and Lead Paint Services Contracts. His responsibilities include client correspondence, project staffing, budget control and project oversight. Projects associated with the contract include Phase I and II Environmental Site Assessment (ESA), landfill gas well installation and monitoring, storm water, soil, soil gas and groundwater monitoring, preparation and implementation of Remedial Action Plan

Brandon S. Wilken

Principal Geologist

(RAP), performing hazardous building materials sampling, analysis, reporting, quantification, abatement specification development, perimeter and clearance air sampling and close-out reporting.

Oakland Unified School District (OUSD), Cole Administration Center, PEA, Oakland, California: Principal-in-Charge for the Preliminary Endangerment Assessment (PEA) for the OUSD Cole Administration Center. The approximate 2.59-acre site was historically occupied by residential properties and school buildings. Services performed were soil, groundwater and soil gas sampling to evaluate potential subsurface impacts from previous site uses. The PEA was recently approved and the draft RAW is currently under review by the DTSC.

Port of Oakland Lot 12 Development, Fifth Five-Year Review Report, Oakland, California: Project Manager for the performance of document review, interviews, and cap inspection efforts to complete the fifth Five-Year Review Report. He oversaw the drafting of the report, completed the final professional review, and signed and stamped the report. The Five-Year Review report was recently submitted to document the last five years of inspections and oversight, and to determine that the remedies in place are still protective of human health and the environment. The Five-Year Review report is currently under review by Department of Toxic Substances Control (DTSC).

Dam Powerhouse, San Joaquin County, California: Senior Project Manager responsible for assessing background groundwater quality and gathering data to design an infiltration and evaporation pond to remove dissolved copper from an electrical dam powerhouse. At the time of the investigation, the dam's effluent was being discharged through an oil water separator pond and then into a river declared to have sensitive freshwater fish habitat under the Clean Water Act. He completed a hydrogeologic assessment that consisted of the geochemistry of the soil and groundwater, including the cation exchange capacity of the soils, beneath the location of a proposed infiltration and evaporation pond, and the flood plain adjacent to the river. The recommendations of the assessment were approved by the RWQCB, which lead to the construction of the infiltration and evaporation pond.

Former Dry Cleaner and Active Service Station, Pleasant Hill, California: Principal Geologist and previous Senior Project Manager for a commingled petroleum hydrocarbon and chlorinated solvent plume. The commingled plume consisted of two former dry cleaners, three former service stations, and one active service station that covered several blocks and impacted a downgradient residential neighborhood. He completed multiple site assessments in multiple water bearing zones, vapor intrusion assessments, sewer studies, litigation support, and other environmental consulting services in connection with this project.

Major Oil Company Refinery, Martinez, California: Principal Geologist for the environmental services at a 640-acre refining complex. The team is developing a PFAS assessment strategy for the facility to comply with a RWQCB request for assessment. Furthermore, the project team was planning to demolish an old wastewater treatment pond and developing a replacement treatment facility. Lastly the team operated, maintained, and optimized 27 groundwater extraction systems for contaminant plume control, to limit impacts to adjacent wetlands and surface water bodies.

S Street Redevelopment Project, Sacramento, California: Principal Geologist for the soil, soil vapor, and groundwater assessment and in situ ELSTM and zero valent iron injections to remediate site CVOC's. Assessment included advancement of soil borings, installation of groundwater monitoring and soil vapor wells, and routine sampling. Remedial activities included closing an UST in-place and injecting approximately 6,900 pounds of ELSTM and 58,000 pounds of zero valent iron into targeted areas. Interfaced with multiple stakeholders and agencies including property owner/client (Capitol Area Development Authority), City of Sacramento, RWQCB, and SCEMD.

Aerospace Manufacturing, Confidential Manufacturing Business, Torrance, California: Principal Geologist for the PFAS assessment at an operating Aerospace manufacturing facility. Assessed PFAS in soil, wastewater effluent, storm water, potable water, and groundwater by advancing five soil borings, installing three monitoring wells, collecting wastewater effluent, municipal water, and storm water samples. The data was evaluated and recommendations were provided to the RWQCB.

Luke I. Swickard

Project Manager



EDUCATION

B.S., Environmental Science and Management, 2017, University of California, Davis, California

REGISTRATIONS/CERTIFICATIONS

AHERA Accredited Asbestos Inspector, #45593

40-Hour HAZWOPER with Annual Updates

As a Project Manager for Ninyo & Moore, Mr. Swickard has 6 years of experience in various environmental field work, including Phase I and Phase II ESAs, corridor studies, oversight of soil boring drilling, well installation and UST removal activities, as well as water, soil and soil vapor sampling. He has also conducted Spill Prevention, Control, and Countermeasure (SPCC) audits, prepared Storm Water Pollution Prevention Plan (SWPPP), and designed stormwater Best Management Practices (BMP).

EXPERIENCE

Duncan Enterprises Phase I Environmental Site Assessment (ESA), Fresno, California: Provided project management for the completion of a Phase I ESA on an approximate 14-acre industrial property that is utilized for paint, ceramics, and craft goods manufacturing and distribution. The Phase I ESA was conducted to evaluate the potential for Recognized Environmental Conditions (RECs) on and adjacent to the site for ongoing use of the property. Phase I ESA activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

Lemoine Ranch Property Phase I ESA, Alturas, California: Provided project management for the completion of a Phase I ESA on an approximate 2,026-acre agricultural property that is utilized for cattle grazing. The Phase I ESA was conducted to evaluate the potential for RECs on and adjacent to the site for ongoing use of the property. Phase I ESA activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

SWCA, Transmission Line Corridor Assessments, California: Provided project management for the completion of three corridor assessments on over 1,000 parcels along over 100-mile long transmission line routes in San Jose and the California Valley. Activities included the created of parcel information databases, reviewing historical and regulatory environmental data, conducting site reconnaissance and preparing the corridor assessments and figures.

Mikesell Avenue Properties Reports Manteca, California: Provided project management and oversight for the completion of six Phase I ESAs, Pipeline Risk Analyses, Railroad Safety Studies, Geotechnical Hazard Surveys, and California Department of Education Checklists, for the Manteca Unified School District. The reports were conducted to evaluate the potential for environmental hazards and RECs. Activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

City of West Sacramento Sacramento River West North Levee Corridor Assessment, West Sacramento, California: Provided project management and implementation for the completion of a corridor assessment on over 200 parcels along a 5.8-mile long area, as part of the Sacramento River levee expansion project. Activities included reviewing historical and regulatory environmental data, conducting site reconnaissance and preparing the corridor assessment. The project was conducted in accordance with EPA Brownfields Grant guidelines and requirements.

Luke I. Swickard

Project Manager

Bayo Vista Family Housing 2 California Street Phase I ESA, Rodeo, California: Senior Staff Environmental Scientist for the Phase I ESA for the Bayo Vista Family Housing project. The site is occupied by the Bayo Vista Family Housing Community residents, the Contra Costa Sheriff's office, Lifelong Medical, a resident counselor, the Head Start school, and the Bayo Vista Housing Authority. The site is situated on seven parcels totaling approximately 33 acres of land. The objective of this ESA was to identify recognized environmental conditions at the site.

Hollis Oaks Apartments Phase I ESA, Oakland, California: Senior Staff Environmental Scientist for the Phase I ESA at the Hollis Oaks Apartments. The objective of the ESA was to identify recognized environmental conditions. The ESA was conducted for Principal Real Estate Investors.

Floating Photovoltaic (PV) Solar Array, Windsor, California: Provided project support for the completion of a Phase I Environmental Site Assessment (ESA) of a proposed floating PV solar array on an existing water treatment facility. Ninyo & Moore conducted the Phase I ESA to evaluate the potential for Recognized Environmental Conditions (RECs) adjacent to the site so that electrical infrastructure could be installed from the floating PV solar array to a collection system. Phase I ESA Activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

Multi-family Housing Project, Mountain View, California: Provided project support for the completion of a Phase I Environmental Site Assessment (ESA) on a multi-family housing complex to evaluate the potential for Recognized Environmental Conditions (RECs) on and adjacent to the site for planned redevelopment of the property. Phase I ESA Activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

Agricultural Land, Capay Valley, California: Provided project support for the completion of a Phase I Environmental Site Assessment (ESA) on an approximate 310-acre agricultural property that is utilized for cattle grazing and olive orchards. The Phase I ESA was conducted to evaluate the potential for Recognized Environmental Conditions (RECs) on and adjacent to the site for on-going use of the property. Phase I ESA Activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

Former Richmond Hospital, Richmond, California: Provided project support for the completion of a Phase I Environmental Site Assessment (ESA) of the former Richmond Hospital for potential redevelopment. Ninyo & Moore conducted the Phase I ESA to evaluate the potential for Recognized Environmental Conditions (RECs) on or adjacent to the site. Phase I ESA Activities included reviewing historical and regulatory environmental data, conducting a site reconnaissance and preparing the Phase I ESA Report.

City of Sacramento, 3739 Marysville Boulevard Phase II ESA, Sacramento, California: Staff Environmental Scientist a Community Wide Assessment under an existing US EPA Brownfields grant. Review of historical information indicated the site was formerly a gasoline station and convenience store and a former dry cleaner was also identified on the adjacent parcel. Soil samples collected from beneath seven former USTs and the associated piping and dispensers indicated that an unauthorized release of petroleum hydrocarbons had occurred from the former fuel dispensing system. In 2018, Ninyo & Moore conducted a Phase I ESA on the site and the adjoining dry cleaner property. Results of the Phase I ESA, along with the results of the prior sampling and remediation were used to prepare a Sampling and Analysis Plan (SAP) for review by the RWQCB to conduct a Phase II ESA, which included installing and sampling 33 temporary soil gas samples, collecting soil samples from five soil borings, and collecting grab groundwater samples from three on-site borings.

Appendix B:
SITE PHOTOGRAPHS



1 : View of the site facing north.



2 : View of the site facing west.



3 : View of the site facing south.



4 : View of the agricultural water well on the site.



5 : View of the pole-mounted transformer on the site. No signs of leaks or spills were noted.



6 : View of the power lines on the site.



7 : View of the agricultural land to the east of the site.



8 : View of 2665 Foster Avenue to the south of the site.



9 : View of the Former timber mill (2920 Foster Avenue) to the west of the site.



10 : View down Foster Avenue, facing northwest.



11 : View down Foster Avenue, facing southeast.



12 : View down Jane Road, facing south.

Appendix C:

ENVIRONMENTAL DATA RESOURCES (EDR) RADIUS MAP REPORT

Humboldt Property

Foster Avenue

Arcata, CA 95521

Inquiry Number: 7136660.2s

October 04, 2022

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

TARGET PROPERTY INFORMATION

ADDRESS

FOSTER AVENUE
ARCATA, CA 95521

COORDINATES

Latitude (North): 40.8837860 - 40° 53' 1.62"
Longitude (West): 124.1011910 - 124° 6' 4.28"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 407222.3
UTM Y (Meters): 4526228.0
Elevation: 27 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 12014172 ARCATA NORTH, CA
Version Date: 2018

South Map: 12014174 ARCATA SOUTH, CA
Version Date: 2018

Southwest Map: 12014188 EUREKA, CA
Version Date: 2018

Northwest Map: 12014212 TYEE CITY, CA
Version Date: 2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140607
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 FOSTER AVENUE
 ARCATA, CA 95521

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	SUN VALLEY BULB FARM	1780 TWENTYSEVENTH	CPS-SLIC	Higher	753, 0.143, NE
2	SIMPSON REDWOOD CO.	FOSTER AVENUE	ENVIROSTOR, VCP	Lower	965, 0.183, West
3	YOUNG, VERNON	2590 WYATT LN	CUPA Listings	Higher	1031, 0.195, ENE
4	COOK, ESSE & LINDA	2809 BAY SCHOOL ROAD	CPS-SLIC, ENF, CERS	Lower	1336, 0.253, SW
5	EEL RIVER SAWMILL, S	2000 FOSTER	LUST, CPS-SLIC, Cortese, HIST CORTESE	Lower	1557, 0.295, SE
A6	SUN VALLEY BULB FARM	1780 27TH STREET	Notify 65	Higher	1735, 0.329, NE
A7	SUN VALLEY BULB FARM	1780 27TH STREET	Notify 65	Higher	1735, 0.329, NE
A8	SUN VALLEY BULB FARM	1780 27TH STREET	Notify 65	Higher	1735, 0.329, NE
9	SIMPSON TIMBER COMPA	3315 FOSTER AVENUE	CPS-SLIC	Lower	1821, 0.345, West
10	ARCATA 76	2205 ALLIANCE ROAD	LUST, Cortese, EMI, HIST CORTESE, CERS	Lower	2241, 0.424, East
11	WESTWOOD LAUNDROMAT	2505 ALLIANCE ROAD	LUST, Cortese, HIST CORTESE	Higher	2406, 0.456, East
12	ARCATA OPEN DOOR COM	1150 FOSTER AVENUE	ENVIROSTOR, NPDES, CIWQS, CERS	Higher	4087, 0.774, ESE
13	SUN VALLEY FLORAL FA	3160 UPPER BAY ROAD	Notify 65, HWTS	Lower	4140, 0.784, NNW
14	ARVATA COMMUNITY REC	1380 NINTH STREET	LUST, CPS-SLIC, HIST UST, Cortese, Notify 65	Lower	4489, 0.850, SSE
15	BEAVER LUMBER COMPAN	1220 5TH STREET	ENVIROSTOR, CUPA Listings, HIST CORTESE	Lower	5264, 0.997, SSE

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 landfills and solid waste disposal facilities

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

Lists of state and tribal leaking storage tanks

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

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
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

EXECUTIVE SUMMARY

SCH.....	School Property Evaluation Program
CDL.....	Clandestine Drug Labs
CERS HAZ WASTE.....	CERS HAZ WASTE
Toxic Pits.....	Toxic Pits Cleanup Act Sites
US CDL.....	National Clandestine Laboratory Register
AQUEOUS FOAM.....	Former Fire Training Facility Assessments Listing
PFAS.....	PFAS Contamination Site Location Listing

Local Lists of Registered Storage Tanks

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

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

EXECUTIVE SUMMARY

DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem
US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
CA BOND EXP. PLAN.....	Bond Expenditure Plan
DRYCLEANERS.....	Cleaner Facilities
EMI.....	Emissions Inventory Data
ENF.....	Enforcement Action Listing
Financial Assurance.....	Financial Assurance Information Listing
HAZNET.....	Facility and Manifest Data
ICE.....	ICE
HWP.....	EnviroStor Permitted Facilities Listing
HWT.....	Registered Hazardous Waste Transporter Database
MINES.....	Mines Site Location Listing
MWMP.....	Medical Waste Management Program Listing
NPDES.....	NPDES Permits Listing
PEST LIC.....	Pesticide Regulation Licenses Listing
PROC.....	Certified Processors Database
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)
MINES MRDS.....	Mineral Resources Data System
HWTS.....	Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

EXECUTIVE SUMMARY

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 hazardous waste facilities

ENVIROSTOR: 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ARCATA OPEN DOOR COM</i> Facility Id: 60002941 Status: No Action Required	<i>1150 FOSTER AVENUE</i>	<i>ESE 1/2 - 1 (0.774 mi.)</i>	<i>12</i>	<i>56</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SIMPSON REDWOOD CO.</i> Facility Id: 12240118 Status: Certified / Operation & Maintenance	<i>FOSTER AVENUE</i>	<i>W 1/8 - 1/4 (0.183 mi.)</i>	<i>2</i>	<i>9</i>
<i>BEAVER LUMBER COMPAN</i> Facility Id: 12240117 Status: Refer: RWQCB	<i>1220 5TH STREET</i>	<i>SSE 1/2 - 1 (0.997 mi.)</i>	<i>15</i>	<i>66</i>

EXECUTIVE SUMMARY

Lists of state and tribal leaking storage tanks

LUST: 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.

A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTWOOD LAUNDROMAT Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Facility Id: 1THU431 Global Id: T0602300326	2505 ALLIANCE ROAD	E 1/4 - 1/2 (0.456 mi.)	11	54

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EEL RIVER SAWMILL, S Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Facility Id: 1THU518 Global Id: T0602300394	2000 FOSTER	SE 1/4 - 1/2 (0.295 mi.)	5	36

ARCATA 76 Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Facility Id: 1THU339 Global Id: T0602300259	2205 ALLIANCE ROAD	E 1/4 - 1/2 (0.424 mi.)	10	41
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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 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 are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN VALLEY BULB FARM Database: SLIC REG 1, Date of Government Version: 04/03/2003 Facility Id: 1NHU091	1780 TWENTYSEVENTH	NE 1/8 - 1/4 (0.143 mi.)	1	9

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
COOK, ESSE & LINDA Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0602393236 Facility Status: Open - Inactive	2809 BAY SCHOOL ROAD	SW 1/4 - 1/2 (0.253 mi.)	4	31

EXECUTIVE SUMMARY

Cleanup Status: COMPLETED - CASE CLOSED

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

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YOUNG, VERNON Database: CUPA HUMBOLDT, Date of Government Version: 08/12/2021 Permit Status: 02 - Inactive Local Site Id: FA0004703	2590 WYATT LN	ENE 1/8 - 1/4 (0.195 mi.)	3	31

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

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTWOOD LAUNDROMAT Reg Id: 1THU431	2505 ALLIANCE ROAD	E 1/4 - 1/2 (0.456 mi.)	11	54
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EEL RIVER SAWMILL, S Reg Id: 1THU518	2000 FOSTER	SE 1/4 - 1/2 (0.295 mi.)	5	36
ARCATA 76 Reg Id: 1THU339	2205 ALLIANCE ROAD	E 1/4 - 1/2 (0.424 mi.)	10	41

Notify 65: 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.

A review of the Notify 65 list, as provided by EDR, and dated 06/10/2022 has revealed that there are 5 Notify 65 sites within approximately 1 mile of the target property.

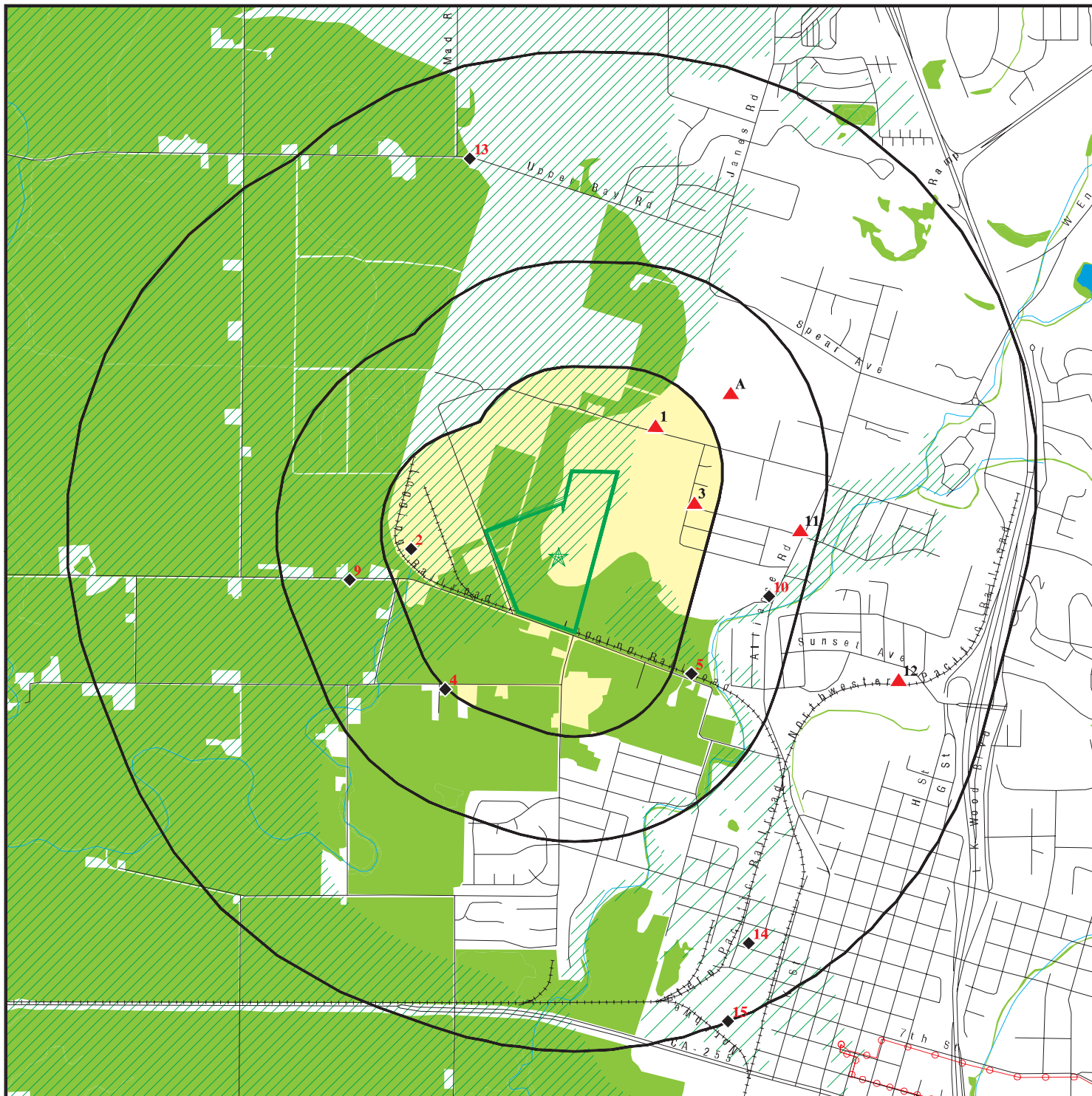
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN VALLEY BULB FARM	1780 27TH STREET	NE 1/4 - 1/2 (0.329 mi.)	A6	39
SUN VALLEY BULB FARM	1780 27TH STREET	NE 1/4 - 1/2 (0.329 mi.)	A7	39
SUN VALLEY BULB FARM	1780 27TH STREET	NE 1/4 - 1/2 (0.329 mi.)	A8	40
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN VALLEY FLORAL FA	3160 UPPER BAY ROAD	NNW 1/2 - 1 (0.784 mi.)	13	59
ARVATA COMMUNITY REC	1380 NINTH STREET	SSE 1/2 - 1 (0.850 mi.)	14	60

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 1 records.

<u>Site Name</u>	<u>Database(s)</u>
S&H AUTO WRECKERS	LUST

OVERVIEW MAP - 7136660.2S



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

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: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata CA 95521
 LAT/LONG: 40.883786 / 124.101191

CLIENT: Ninyo & Moore
 CONTACT: Luke Swickard
 INQUIRY #: 7136660.2s
 DATE: October 04, 2022 8:57 am

DETAIL MAP - 7136660.2S



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

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

0 1/16 1/8 1/4 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: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata CA 95521
 LAT/LONG: 40.883786 / 124.101191

CLIENT: Ninyo & Moore
 CONTACT: Luke Swickard
 INQUIRY #: 7136660.2s
 DATE: October 04, 2022 8:57 am

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	TP		NR	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	1	0	2	NR	3
<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	3	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	3	NR	NR	4
<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	1	0	NR	NR	1
<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	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	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
CA FID UST	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
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	3	NR	NR	3
CUPA Listings	0.250		0	1	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	3	2	NR	5
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0
<u>EDR HIGH RISK HISTORICAL RECORDS</u>								
<i>EDR Exclusive Records</i>								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --			0	4	15	4	0	23

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

1
NE
1/8-1/4
0.143 mi.
753 ft.

SUN VALLEY BULB FARMS
1780 TWENTYSEVENTH
ARCATA, CA 95521

CPS-SLIC **S105050870**
N/A

Relative:
Higher
Actual:
33 ft.

SLIC REG 1:
Region: 1
Facility ID: 1NHU091
Staff Initials: RRA

2
West
1/8-1/4
0.183 mi.
965 ft.

SIMPSON REDWOOD CO.
FOSTER AVENUE
ARCATA, CA 95518

ENVIROSTOR **S102564437**
VCP **N/A**

Relative:
Lower
Actual:
24 ft.

ENVIROSTOR:
Name: SIMPSON REDWOOD CO.
Address: FOSTER AVENUE
City,State,Zip: ARCATA, CA 95518
Facility ID: 12240118
Status: Certified / Operation & Maintenance
Status Date: 02/18/1999
Site Code: 200917
Site Type: Voluntary Cleanup
Site Type Detailed: Voluntary Agreement
Acres: 209
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 1 - North Coast
Lead Agency: SMBRP
Program Manager: Sagar Bhatt
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Assembly: 02
Senate: 02
Special Program: Voluntary Agreement - Standard Voluntary Agreement
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 40.88412
Longitude: -124.1079
APN: 505-151-03, 505-151-04, 505-151-05, 505-161-09, 505-161-10,
505-161-29, 505-181-07, 50515103, 50515104, 50515105, 50516109,
50516110, 50516129, 50518107, 506-131-11, 506-231-01, 506-231-02,
506-231-04, 506-231-05, 506-241-16, 50613111, 50623104, 50623105,
50624116
Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS
Potential COC: Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE
1,2-Dichloroethylene (cis Pentachlorophenol
Confirmed COC: Polynuclear aromatic hydrocarbons (PAHs Trichloroethylene (TCE
1,2-Dichloroethylene (cis Pentachlorophenol
Potential Description: OTH, SOIL
Alias Name: SIMPSON COMMON PAYMASTER COMPANY
Alias Type: Alternate Name
Alias Name: SIMPSON REDWOOD
Alias Type: Alternate Name
Alias Name: SIMPSON REMANUFACTURING
Alias Type: Alternate Name
Alias Name: SIMPSON TIMBER COMPANY

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Alias Type:	Alternate Name
Alias Name:	505-151-03
Alias Type:	APN
Alias Name:	505-151-04
Alias Type:	APN
Alias Name:	505-151-05
Alias Type:	APN
Alias Name:	505-161-09
Alias Type:	APN
Alias Name:	505-161-10
Alias Type:	APN
Alias Name:	505-161-29
Alias Type:	APN
Alias Name:	505-181-07
Alias Type:	APN
Alias Name:	50515103
Alias Type:	APN
Alias Name:	50515104
Alias Type:	APN
Alias Name:	50515105
Alias Type:	APN
Alias Name:	50516109
Alias Type:	APN
Alias Name:	50516110
Alias Type:	APN
Alias Name:	50516129
Alias Type:	APN
Alias Name:	50518107
Alias Type:	APN
Alias Name:	506-131-11
Alias Type:	APN
Alias Name:	506-231-01
Alias Type:	APN
Alias Name:	506-231-02
Alias Type:	APN
Alias Name:	506-231-04
Alias Type:	APN
Alias Name:	506-231-05
Alias Type:	APN
Alias Name:	506-241-16
Alias Type:	APN
Alias Name:	50613111
Alias Type:	APN
Alias Name:	50623104
Alias Type:	APN
Alias Name:	50623105
Alias Type:	APN
Alias Name:	50624116
Alias Type:	APN
Alias Name:	110033609263
Alias Type:	EPA (FRS #)
Alias Name:	T0602393409
Alias Type:	GeoTracker Global ID
Alias Name:	200917
Alias Type:	Project Code (Site Code)
Alias Name:	12240118
Alias Type:	Envirostor ID Number

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Alias Name: FORMER SIMPSON TIMBER CO. RMNFCTNG PLANT
Alias Type: Alternate Name
Alias Name: SIMPSON ARCATA
Alias Type: Alternate Name

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/20/2010
Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2009. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. DTSC reiterated the previous comment that laboratory chain-of-custody documents include the sample preservation temperature.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/11/2011
Comments: The report presents the results of groundwater monitoring activities for the first quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. The report recommends that the groundwater sampling frequency change from quarterly to annually, but notes that the DTSC response to this recommendation is anticipated in response the Five Year Review Report submitted to DTSC on January 29, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 10/05/2018
Comments: The Third Five-Year Review Report evaluates the implementation, performance, and protectiveness of the monitored natural attenuation remedy at the Site. The Report concludes that the remedy has functioned as intended, that the exposure assumptions remain valid, and that no new information has come to light that calls into question the protectiveness of the remedy. The Report also concludes that the remedy is protective of human health and the environment. DTSC concurred with these conclusions, but did not concur with the recommendation that all monitoring and reporting for the Site be discontinued. DTSC will require additional groundwater monitoring to continue at the Site until the cleanup levels have been met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 09/11/2013
Comments: DTSC and the North Coast Regional Water Quality Control Board (Water Board) reviewed the request to modify Monitoring and Reporting Program No. R1-2011-0074. The Water Board and DTSC concurred with the justification provided in the request for ceasing semiannual sampling. It was decided that two semiannual sampling events would be

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SIMPSON REDWOOD CO. (Continued)

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performed in 2015, and the results of the sampling would be included in the Third Five Year Review Report due to be submitted in April 2016. The Water Board rescinded Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/07/2015
Comments: A financial responsibility review was conducted by DTSC, and no violations were found. Simpson was found to be in compliance with their financial assurance responsibilities, and no response was required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 02/12/2018
Comments: A financial responsibility review was conducted by DTSC, and no violations were found. Simpson was found to be in compliance with their financial assurance responsibilities, and no response was required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2015
Comments: Annual DTSC oversight cost estimate letter to Simpson Timber Company for fiscal year 2015/2016 (July 1, 2015 - June 30, 2016).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/13/1999
Comments: The Removal Action Workplan Implementation Report documents the excavation and off-site disposal of approximately 8,600 cubic yards of soil. Some soil was stockpiled on the Site for future reuse and allowed to aerate to further reduce the concentrations of petroleum hydrocarbons. Approximately 1.2 million gallons of water was removed and treated through a transportable treatment unit before being discharged to the Greater Eureka Area (Elk River) Waste Water Treatment Plant. Groundwater will continue to be monitored as part of the Operations and Maintenance Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/28/1997
Comments: The Simpson Timber Company Arcata Remanufacturing Plant operated at the Site from 1952 to 1989. Fuel petroleum hydrocarbons, paints, solvents, and Woodlife, a product containing 3 to 5 percent pentachlorophenol were used in plant operations. The Preliminary Endangerment Assessment (PEA) was performed to determine if past practices resulted in the release of hazardous materials that could pose a threat to public health or the environment. Twenty-two potential areas of investigation were identified, and an additional area was investigated in response to sampling conducted. Contaminated

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SIMPSON REDWOOD CO. (Continued)

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soil was excavated from seven areas where there was evidence of release. Petroleum hydrocarbons in the form of motor oil and diesel, acetone and cis-1,2-dichloroethene, pentachlorophenol (PCP), and polychlorinated biphenyls were among the chemicals found in soil samples. PCP, cis-1,2-dichloroethene, benzene, toluene, ethyl benzene, and xylenes were also detected in groundwater samples. The PEA recommended further action at the Site, and that a Removal Action Workplan should be developed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/23/2008
Comments: The report presents the results of groundwater monitoring activities for the first quarter 2008. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2006-0118. Concentrations of dichloroethene and vinyl chloride in groundwater indicated that the biodegradation process is stalling and may need reevaluation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/15/2009
Comments: The report presents the results of groundwater monitoring activities for the second quarter 2009. The groundwater monitoring was performed in accordance with Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site; however, the chemicals of concern remain elevated above Site cleanup goals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/28/2009
Comments: The report presents the results of groundwater monitoring activities for the first quarter 2009. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/21/2008
Comments: The report presents the results of groundwater monitoring activities for the third quarter 2008. The groundwater monitoring was performed in accordance with Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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Completed Document Type: Operation and Maintenance Report
Completed Date: 09/12/2008
Comments: The report presents the results of groundwater monitoring activities for the second quarter 2008. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2012
Comments: Annual DTSC oversight cost estimate letter to Simpson Timber Company for fiscal year 2012/2013 (July 1, 2012 - June 30, 2013).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/13/2011
Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. Responses to DTSC comments on the second five-year review report were included as Section 5.0 of the groundwater monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/18/2011
Comments: Letter to Simpson Timber Company from DTSC that outlines the findings of the financial responsibility review, in which it was concluded that Simpson was in violation of the financial responsibility regulations. The letter lists the violation and the manner in which Simpson can come into compliance with the regulations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/15/1997
Comments: Notice of public meeting and public comment period concerning the draft Removal Action Workplan and the Proposed Negative Declaration for the Site. The public notice was published in the Times-Standard on September 15, 1997.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/29/2011
Comments: The Second Five Year Review Report was prepared pursuant to Section 2.5 of the Operations and Maintenance Agreement for the Site. It outlines the work that has been conducted at the Site to date, including the investigations and remediation activities. The Addendum to the Second Five Year Review Report recommends changes to the

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groundwater monitoring program, reducing the frequency from quarterly to semiannually. The Report concluded that protection to human health and the environment has been achieved in all areas of the Site, except for the southern lunchroom area, where volatile organic compounds at low concentrations remain in groundwater but are believed to be naturally attenuating. DTSC approved the Report as completed on June 29, 2011, when considered as a whole document with the Addendum to the Second Five Year Review Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/15/1997

Comments: The fact sheet includes a Site description, discusses the Site history, and provides information on the cleanup of the Site proposed by the draft Removal Action Workplan. The fact sheet gives the dates for the public comment period and identifies the locations of the the public repositories where the Site documents could be viewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/16/2007

Comments: DTSC sent comments requiring continued quarterly groundwater monitoring as well as the addition of ethane and ethane biodegradation products of volatile organic compounds, including vinyl chloride, to the analytical suite for the quarterly groundwater monitoring. The North Coast Regional Water Quality Control Board had provided Simpson Timber Company with Monitoring and Reporting Program No. R1-2006-0118, which incorporated all the comments sent by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/16/2009

Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2008. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. DTSC noted in its approval letter that there is an absence of data suggesting that natural attenuation is occurring at the Site, and DTSC indicated concern that the current groundwater monitoring program is not set up appropriately to demonstrate stability of the plume for the monitored natural attenuation program being implemented. It was recommended that the selected remedy should be reevaluated if volatile organic compound concentrations did not show signs of declining by the end of 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

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Completed Document Type: Operation and Maintenance Report
Completed Date: 02/01/2012
Comments: Draft data tables and figures for the October 6, 2011 semiannual groundwater monitoring event submitted in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/07/2012
Comments: Draft data tables and figures for the October 18, 2012 semiannual groundwater monitoring event submitted in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/09/2015
Comments: An interim report with the results of the April 27, 2015 groundwater monitoring event was submitted to DTSC and the North Coast Regional Water Quality Control Board. The results of this event along with the October 2015 groundwater monitoring event were to be incorporated into the Third Five Year Review Report due in April 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/13/2011
Comments: The report presents the results of groundwater monitoring activities for the third quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. The report notes the Five Year Review Report submitted to DTSC on January 29, 2010 includes the recommendation to change from quarterly to annual groundwater monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/11/2011
Comments: DTSC received a Notice of Cancellation and/or Termination from Simpson Timber Company for the bond associated with the Operations and Maintenance for the groundwater monitoring system, indicating that the financial assurance bond would be replaced with another.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/11/2012
Comments: The 2012 Annual Groundwater Monitoring Report presents the results of groundwater monitoring conducted in October 2011 and April 2012, which was performed in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

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SIMPSON REDWOOD CO. (Continued)

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 08/09/2013
Comments: The 2013 Annual Groundwater Monitoring Report presents the results of groundwater monitoring conducted in October 2012 and April 2013, which was performed in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/12/2011
Comments: The report presents the results of groundwater monitoring activities for the second quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. The report notes the Five Year Review Report submitted to DTSC on January 29, 2010 includes the recommendation to change from quarterly to annual groundwater monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2009
Comments: Annual DTSC oversight cost estimate letter to Simpson Timber Company for fiscal year 2009/2010 (July 1, 2009 - June 30, 2010).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2011
Comments: The 2013 Annual Groundwater Monitoring Report presents the results of groundwater monitoring conducted in October 2012 and April 2013, which was performed in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/11/2011
Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. Responses to DTSC comments on the second five-year review report were included as Section 5.0 of the groundwater monitoring report.

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Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/13/2011
Comments: This is the last report where quarterly sampling reports are provided under Monitoring and Reporting Program No. R1-2008-0034. A new semiannual groundwater monitoring program is to be established for the Site, in which sampling occurs in April and October, and the new monitoring program is to begin in October 2011.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 07/18/2011
Comments: The North Coast Regional Water Quality Control Board issued Monitoring and Reporting Program No. R1-2011-0074, which replaced Monitoring and Reporting Program No. R1-2008-0034 and reduced the sampling frequency from quarterly to semiannual with sampling events scheduled for April and October of each year.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation & Maintenance Order/Agreement
Completed Date: 01/28/1999
Comments: The Operation and Maintenance Agreement requires the implementation of the DTSC-approved Operation and Maintenance Plan that is included as an exhibit. Under the Plan, six groundwater monitoring wells surrounding the area where soil was excavated and groundwater was extracted require quarterly monitoring. Monitoring is to continue until four successive quarters indicate that no contaminants are present at concentrations greater than the Maximum Contaminants Levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 09/25/1997
Comments: A second amendment to the Voluntary Cleanup Agreement that adds the Simpson Common Paymaster Company as a project proponent. It also included an updated scope of work, revised cost estimate, and an updated schedule.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 02/18/1999
Comments: DTSC certified that that all appropriate removal/remedial actions have been completed. Groundwater monitoring is required as a part of operation and maintenance activities, in compliance with the Operations and Maintenance Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/07/1997
Comments: Based on the Initial Study findings, DTSC concluded no significant environmental impacts would occur from Final Removal Action Workplan

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implementation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/21/1997
Comments: This Amendment to the Voluntary Cleanup Agreement, dated February 5, 1997, provides an updated schedule and revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/05/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 07/06/2005
Comments: The Five Year Review Report outlines the work conducted at the site, including investigations and remediation activities. It evaluates whether the past remediation has been effective, and proposes recommendations for future activities at the Site to address groundwater contamination. The Five Year Review Report concluded that protection of human health and the environment has been achieved in all areas of the site, except the southern lunchroom area, through the removal and disposal of debris, contaminated soil and groundwater. Two additional monitoring wells (MW-7 and MW-8) were installed in January 2004 in the former south lunchroom area. DTSC concurred with the Five Year Review Report's recommendation to implement a monitored natural attenuation program with sampling on a quarterly basis for one year. After one year, the additional information will be evaluated and used to determine if contaminant concentrations in groundwater are being effectively reduced and if water quality objectives can be achieved in a reasonable timeframe.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/07/1997
Comments: The Removal Action Workplan provides a site description, summary of investigation activities and results, describes the nature and extent of contamination, identifies and evaluates removal action alternatives, and recommends a removal action alternative to minimize or eliminate the potential for human receptors to be exposed to Site contaminants. The alternative chosen was excavation and off-site disposal of soil and extraction and treatment of groundwater. Groundwater monitoring was to continue at the Site as long as the contaminant concentrations exceed the maximum contaminant levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/03/2010
Comments: The report presents the results of groundwater monitoring activities for the third quarter 2009. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North

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Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

VCP:

Name: SIMPSON REDWOOD CO.
Address: FOSTER AVENUE
City,State,Zip: ARCATA, CA 95518
Facility ID: 12240118
Site Type: Voluntary Cleanup
Site Type Detail: Voluntary Agreement
Site Mgmt. Req.: NONE SPECIFIED
Acres: 209
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 1 - North Coast
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Sagar Bhatt
Supervisor: Julie Pettijohn
Division Branch: Cleanup Berkeley
Site Code: 200917
Assembly: 02
Senate: 02
Special Programs Code: Voluntary Agreement - Standard Voluntary Agreement
Status: Certified / Operation & Maintenance
Status Date: 02/18/1999
Restricted Use: NO
Funding: Responsible Party
Lat/Long: 40.88412 / -124.1079
APN: 505-151-03, 505-151-04, 505-151-05, 505-161-09, 505-161-10, 505-161-29, 505-181-07, 50515103, 50515104, 50515105, 50516109, 50516110, 50516129, 50518107, 506-131-11, 506-231-01, 506-231-02, 506-231-04, 506-231-05, 506-241-16, 50613111, 50623104, 50623105, 50624116
Past Use: MANUFACTURING - LUMBER/WOOD PRODUCTS
Potential COC: 30019, 30027, 30195, 30448
Confirmed COC: 30019,30027,30195,30448
Potential Description: OTH, SOIL
Alias Name: SIMPSON COMMON PAYMASTER COMPANY
Alias Type: Alternate Name
Alias Name: SIMPSON REDWOOD
Alias Type: Alternate Name
Alias Name: SIMPSON REMANUFACTURING
Alias Type: Alternate Name
Alias Name: SIMPSON TIMBER COMPANY
Alias Type: Alternate Name
Alias Name: 505-151-03

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Alias Type:	APN
Alias Name:	505-151-04
Alias Type:	APN
Alias Name:	505-151-05
Alias Type:	APN
Alias Name:	505-161-09
Alias Type:	APN
Alias Name:	505-161-10
Alias Type:	APN
Alias Name:	505-161-29
Alias Type:	APN
Alias Name:	505-181-07
Alias Type:	APN
Alias Name:	50515103
Alias Type:	APN
Alias Name:	50515104
Alias Type:	APN
Alias Name:	50515105
Alias Type:	APN
Alias Name:	50516109
Alias Type:	APN
Alias Name:	50516110
Alias Type:	APN
Alias Name:	50516129
Alias Type:	APN
Alias Name:	50518107
Alias Type:	APN
Alias Name:	506-131-11
Alias Type:	APN
Alias Name:	506-231-01
Alias Type:	APN
Alias Name:	506-231-02
Alias Type:	APN
Alias Name:	506-231-04
Alias Type:	APN
Alias Name:	506-231-05
Alias Type:	APN
Alias Name:	506-241-16
Alias Type:	APN
Alias Name:	50613111
Alias Type:	APN
Alias Name:	50623104
Alias Type:	APN
Alias Name:	50623105
Alias Type:	APN
Alias Name:	50624116
Alias Type:	APN
Alias Name:	110033609263
Alias Type:	EPA (FRS #)
Alias Name:	T0602393409
Alias Type:	GeoTracker Global ID
Alias Name:	200917
Alias Type:	Project Code (Site Code)
Alias Name:	12240118
Alias Type:	Envirostor ID Number
Alias Name:	FORMER SIMPSON TIMBER CO. RMNFCTNG PLANT
Alias Type:	Alternate Name

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Alias Name: SIMPSON ARCATA
Alias Type: Alternate Name

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/20/2010
Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2009. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. DTSC reiterated the previous comment that laboratory chain-of-custody documents include the sample preservation temperature.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/11/2011
Comments: The report presents the results of groundwater monitoring activities for the first quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. The report recommends that the groundwater sampling frequency change from quarterly to annually, but notes that the DTSC response to this recommendation is anticipated in response the Five Year Review Report submitted to DTSC on January 29, 2010.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 10/05/2018
Comments: The Third Five-Year Review Report evaluates the implementation, performance, and protectiveness of the monitored natural attenuation remedy at the Site. The Report concludes that the remedy has functioned as intended, that the exposure assumptions remain valid, and that no new information has come to light that calls into question the protectiveness of the remedy. The Report also concludes that the remedy is protective of human health and the environment. DTSC concurred with these conclusions, but did not concur with the recommendation that all monitoring and reporting for the Site be discontinued. DTSC will require additional groundwater monitoring to continue at the Site until the cleanup levels have been met.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 09/11/2013
Comments: DTSC and the North Coast Regional Water Quality Control Board (Water Board) reviewed the request to modify Monitoring and Reporting Program No. R1-2011-0074. The Water Board and DTSC concurred with the justification provided in the request for ceasing semiannual sampling. It was decided that two semiannual sampling events would be performed in 2015, and the results of the sampling would be included in the Third Five Year Review Report due to be submitted in April

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2016. The Water Board rescinded Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/07/2015
Comments: A financial responsibility review was conducted by DTSC, and no violations were found. Simpson was found to be in compliance with their financial assurance responsibilities, and no response was required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 02/12/2018
Comments: A financial responsibility review was conducted by DTSC, and no violations were found. Simpson was found to be in compliance with their financial assurance responsibilities, and no response was required.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/09/2015
Comments: Annual DTSC oversight cost estimate letter to Simpson Timber Company for fiscal year 2015/2016 (July 1, 2015 - June 30, 2016).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Completion Report
Completed Date: 02/13/1999
Comments: The Removal Action Workplan Implementation Report documents the excavation and off-site disposal of approximately 8,600 cubic yards of soil. Some soil was stockpiled on the Site for future reuse and allowed to aerate to further reduce the concentrations of petroleum hydrocarbons. Approximately 1.2 million gallons of water was removed and treated through a transportable treatment unit before being discharged to the Greater Eureka Area (Elk River) Waste Water Treatment Plant. Groundwater will continue to be monitored as part of the Operations and Maintenance Agreement.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 08/28/1997
Comments: The Simpson Timber Company Arcata Remanufacturing Plant operated at the Site from 1952 to 1989. Fuel petroleum hydrocarbons, paints, solvents, and Woodlife, a product containing 3 to 5 percent pentachlorophenol were used in plant operations. The Preliminary Endangerment Assessment (PEA) was performed to determine if past practices resulted in the release of hazardous materials that could pose a threat to public health or the environment. Twenty-two potential areas of investigation were identified, and an additional area was investigated in response to sampling conducted. Contaminated soil was excavated from seven areas where there was evidence of release. Petroleum hydrocarbons in the form of motor oil and diesel,

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acetone and cis-1,2-dichloroethene, pentachlorophenol (PCP), and polychlorinated biphenyls were among the chemicals found in soil samples. PCP, cis-1,2-dichloroethene, benzene, toluene, ethyl benzene, and xylenes were also detected in groundwater samples. The PEA recommended further action at the Site, and that a Removal Action Workplan should be developed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/23/2008
Comments: The report presents the results of groundwater monitoring activities for the first quarter 2008. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2006-0118. Concentrations of dichloroethene and vinyl chloride in groundwater indicated that the biodegradation process is stalling and may need reevaluation.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/15/2009
Comments: The report presents the results of groundwater monitoring activities for the second quarter 2009. The groundwater monitoring was performed in accordance with Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site; however, the chemicals of concern remain elevated above Site cleanup goals.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 05/28/2009
Comments: The report presents the results of groundwater monitoring activities for the first quarter 2009. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/21/2008
Comments: The report presents the results of groundwater monitoring activities for the third quarter 2008. The groundwater monitoring was performed in accordance with Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 09/12/2008

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Comments: The report presents the results of groundwater monitoring activities for the second quarter 2008. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 11/06/2012
Comments: Annual DTSC oversight cost estimate letter to Simpson Timber Company for fiscal year 2012/2013 (July 1, 2012 - June 30, 2013).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 01/13/2011
Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. Responses to DTSC comments on the second five-year review report were included as Section 5.0 of the groundwater monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 04/18/2011
Comments: Letter to Simpson Timber Company from DTSC that outlines the findings of the financial responsibility review, in which it was concluded that Simpson was in violation of the financial responsibility regulations. The letter lists the violation and the manner in which Simpson can come into compliance with the regulations.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 09/15/1997
Comments: Notice of public meeting and public comment period concerning the draft Removal Action Workplan and the Proposed Negative Declaration for the Site. The public notice was published in the Times-Standard on September 15, 1997.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 06/29/2011
Comments: The Second Five Year Review Report was prepared pursuant to Section 2.5 of the Operations and Maintenance Agreement for the Site. It outlines the work that has been conducted at the Site to date, including the investigations and remediation activities. The Addendum to the Second Five Year Review Report recommends changes to the groundwater monitoring program, reducing the frequency from quarterly to semiannually. The Report concluded that protection to human health

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

and the environment has been achieved in all areas of the Site, except for the southern lunchroom area, where volatile organic compounds at low concentrations remain in groundwater but are believed to be naturally attenuating. DTSC approved the Report as completed on June 29, 2011, when considered as a whole document with the Addendum to the Second Five Year Review Report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 09/15/1997
Comments:

The fact sheet includes a Site description, discusses the Site history, and provides information on the cleanup of the Site proposed by the draft Removal Action Workplan. The fact sheet gives the dates for the public comment period and identifies the locations of the the public repositories where the Site documents could be viewed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/16/2007
Comments:

DTSC sent comments requiring continued quarterly groundwater monitoring as well as the addition of ethane and ethane biodegradation products of volatile organic compounds, including vinyl chloride, to the analytical suite for the quarterly groundwater monitoring. The North Coast Regional Water Quality Control Board had provided Simpson Timber Company with Monitoring and Reporting Program No. R1-2006-0118, which incorporated all the comments sent by DTSC.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 03/16/2009
Comments:

The report presents the results of groundwater monitoring activities for the fourth quarter 2008. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. DTSC noted in its approval letter that there is an absence of data suggesting that natural attenuation is occurring at the Site, and DTSC indicated concern that the current groundwater monitoring program is not set up appropriately to demonstrate stability of the plume for the monitored natural attenuation program being implemented. It was recommended that the selected remedy should be reevaluated if volatile organic compound concentrations did not show signs of declining by the end of 2009.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 10/28/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/01/2012

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Comments: Draft data tables and figures for the October 6, 2011 semiannual groundwater monitoring event submitted in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/07/2012
Comments: Draft data tables and figures for the October 18, 2012 semiannual groundwater monitoring event submitted in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/09/2015
Comments: An interim report with the results of the April 27, 2015 groundwater monitoring event was submitted to DTSC and the North Coast Regional Water Quality Control Board. The results of this event along with the October 2015 groundwater monitoring event were to be incorporated into the Third Five Year Review Report due in April 2016.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/13/2011
Comments: The report presents the results of groundwater monitoring activities for the third quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. The report notes the Five Year Review Report submitted to DTSC on January 29, 2010 includes the recommendation to change from quarterly to annual groundwater monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 05/11/2011
Comments: DTSC received a Notice of Cancellation and/or Termination from Simpson Timber Company for the bond associated with the Operations and Maintenance for the groundwater monitoring system, indicating that the financial assurance bond would be replaced with another.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/11/2012
Comments: The 2012 Annual Groundwater Monitoring Report presents the results of groundwater monitoring conducted in October 2011 and April 2012, which was performed in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Completed Document Type: Operation and Maintenance Report
Completed Date: 08/09/2013
Comments: The 2013 Annual Groundwater Monitoring Report presents the results of groundwater monitoring conducted in October 2012 and April 2013, which was performed in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 01/12/2011
Comments: The report presents the results of groundwater monitoring activities for the second quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. The report notes the Five Year Review Report submitted to DTSC on January 29, 2010 includes the recommendation to change from quarterly to annual groundwater monitoring.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/28/2009
Comments: Annual DTSC oversight cost estimate letter to Simpson Timber Company for fiscal year 2009/2010 (July 1, 2009 - June 30, 2010).

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Annual Oversight Cost Estimate
Completed Date: 09/19/2011
Comments: The 2013 Annual Groundwater Monitoring Report presents the results of groundwater monitoring conducted in October 2012 and April 2013, which was performed in accordance with Regional Water Quality Control Board Monitoring and Reporting Program No. R1-2011-0074.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Financial Assurance Documentation
Completed Date: 06/23/2011
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 04/11/2011
Comments: The report presents the results of groundwater monitoring activities for the fourth quarter 2010. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is occurring at the site. Responses to DTSC comments on the second five-year review report were included as Section 5.0 of the groundwater monitoring report.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Completed Document Type: Operation and Maintenance Report

Completed Date: 06/13/2011

Comments: This is the last report where quarterly sampling reports are provided under Monitoring and Reporting Program No. R1-2008-0034. A new semiannual groundwater monitoring program is to be established for the Site, in which sampling occurs in April and October, and the new monitoring program is to begin in October 2011.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Operations and Maintenance Plan Amendment

Completed Date: 07/18/2011

Comments: The North Coast Regional Water Quality Control Board issued Monitoring and Reporting Program No. R1-2011-0074, which replaced Monitoring and Reporting Program No. R1-2008-0034 and reduced the sampling frequency from quarterly to semiannual with sampling events scheduled for April and October of each year.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Operation & Maintenance Order/Agreement

Completed Date: 01/28/1999

Comments: The Operation and Maintenance Agreement requires the implementation of the DTSC-approved Operation and Maintenance Plan that is included as an exhibit. Under the Plan, six groundwater monitoring wells surrounding the area where soil was excavated and groundwater was extracted require quarterly monitoring. Monitoring is to continue until four successive quarters indicate that no contaminants are present at concentrations greater than the Maximum Contaminants Levels.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Standard Voluntary Agreement

Completed Date: 09/25/1997

Comments: A second amendment to the Voluntary Cleanup Agreement that adds the Simpson Common Paymaster Company as a project proponent. It also included an updated scope of work, revised cost estimate, and an updated schedule.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: Certification

Completed Date: 02/18/1999

Comments: DTSC certified that that all appropriate removal/remedial actions have been completed. Groundwater monitoring is required as a part of operation and maintenance activities, in compliance with the Operations and Maintenance Agreement.

Completed Area Name: PROJECT WIDE

Completed Sub Area Name: Not reported

Completed Document Type: CEQA - Initial Study/ Neg. Declaration

Completed Date: 11/07/1997

Comments: Based on the Initial Study findings, DTSC concluded no significant environmental impacts would occur from Final Removal Action Workplan implementation.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 04/21/1997
Comments: This Amendment to the Voluntary Cleanup Agreement, dated February 5, 1997, provides an updated schedule and revised cost estimate.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Standard Voluntary Agreement
Completed Date: 02/05/1997
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 07/06/2005
Comments: The Five Year Review Report outlines the work conducted at the site, including investigations and remediation activities. It evaluates whether the past remediation has been effective, and proposes recommendations for future activities at the Site to address groundwater contamination. The Five Year Review Report concluded that protection of human health and the environment has been achieved in all areas of the site, except the southern lunchroom area, through the removal and disposal of debris, contaminated soil and groundwater. Two additional monitoring wells (MW-7 and MW-8) were installed in January 2004 in the former south lunchroom area. DTSC concurred with the Five Year Review Report's recommendation to implement a monitored natural attenuation program with sampling on a quarterly basis for one year. After one year, the additional information will be evaluated and used to determine if contaminant concentrations in groundwater are being effectively reduced and if water quality objectives can be achieved in a reasonable timeframe.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Removal Action Workplan
Completed Date: 11/07/1997
Comments: The Removal Action Workplan provides a site description, summary of investigation activities and results, describes the nature and extent of contamination, identifies and evaluates removal action alternatives, and recommends a removal action alternative to minimize or eliminate the potential for human receptors to be exposed to Site contaminants. The alternative chosen was excavation and off-site disposal of soil and extraction and treatment of groundwater. Groundwater monitoring was to continue at the Site as long as the contaminant concentrations exceed the maximum contaminant levels.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/03/2010
Comments: The report presents the results of groundwater monitoring activities for the third quarter 2009. The groundwater monitoring was performed in accordance with the Regional Water Quality Control Board, North Coast Region, Monitoring and Reporting Program No. R1-2008-0034. The report concluded that natural degradation of contaminants is

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SIMPSON REDWOOD CO. (Continued)

S102564437

occurring at the site.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

3
ENE
1/8-1/4
0.195 mi.
1031 ft.

YOUNG, VERNON
2590 WYATT LN
ARCATA, CA 95521

CUPA Listings S126009531
N/A

Relative:
Higher

CUPA HUMBOLDT:

Actual:
32 ft.

Name: YOUNG, VERNON
Address: 2590 WYATT LN
City,State,Zip: ARCATA, CA 95521
Local Site Id: FA0004703
Facility Address 2: Not reported
Program Identifier: CUPA - AG
Program Element Code Desc: 4201 4201 - HMBP and/or Inventory
Permit Status: 02 - Inactive
CERS ID: Not reported
Facility Status: 02 - INACTIVE, NON-BILLABLE
Record ID: PR0004461
District: (none)
SIC Code: (none)
Last Touched: 10/11/2014
Update By: dsc\errolallard
Contact Name: Not reported
Day Phone: Not reported
Latitude: Not reported
Longitude: Not reported

4
SW
1/4-1/2
0.253 mi.
1336 ft.

COOK, ESSE & LINDA
2809 BAY SCHOOL ROAD
ARCATA, CA 95521

CPS-SLIC S105051183
ENF N/A
CERS

Relative:
Lower

SLIC REG 1:

Actual:
22 ft.

Region: 1
Facility ID: 1NHU319
Staff Initials: KSA

CPS-SLIC:

Name: COOK, JESSE & LINDA
Address: 2809 BAY SCHOOL ROAD
City,State,Zip: ARCATA, CA 95521
Region: STATE
Facility Status: Open - Inactive

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COOK, ESSE & LINDA (Continued)

S105051183

Status Date: 02/19/2009
Global Id: T0602393236
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 40.879363
Longitude: -124.103619
Case Type: Cleanup Program Site
Case Worker: BBB
Local Agency: HUMBOLDT COUNTY LOP
RB Case Number: 1NHU319
File Location: Regional Board
Potential Media Affected: Under Investigation
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Not reported

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

ENF:

Name: COOK, JESSE & LINDA
Address: 2809 BAY SCHOOL ROAD
City,State,Zip: ARCATA, CA 95521
Region: 1
Facility Id: 215627
Agency Name: Not reported
Place Type: Facility
Place Subtype: Groundwater Cleanup Site
Facility Type: All other facilities
Agency Type: Not reported
Of Agencies: Not reported
Place Latitude: 40.879442
Place Longitude: -124.103757
SIC Code 1: Not reported
SIC Desc 1: Not reported
SIC Code 2: Not reported
SIC Desc 2: Not reported
SIC Code 3: Not reported
SIC Desc 3: Not reported
NAICS Code 1: Not reported
NAICS Desc 1: Not reported
NAICS Code 2: Not reported
NAICS Desc 2: Not reported
NAICS Code 3: Not reported
NAICS Desc 3: Not reported
Of Places: 1
Source Of Facility: Enf Action
Design Flow: Not reported
Threat To Water Quality: Not reported
Complexity: Not reported
Pretreatment: Not reported
Facility Waste Type: Not reported
Facility Waste Type 2: Not reported
Facility Waste Type 3: Not reported
Facility Waste Type 4: Not reported
Program: Not reported
Program Category1: Not reported
Program Category2: TANKS
Of Programs: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COOK, ESSE & LINDA (Continued)

S105051183

WDID: Not reported
Reg Measure Id: Not reported
Reg Measure Type: Not reported
Region: Not reported
Order #: Not reported
Npdes# CA#: Not reported
Major-Minor: Not reported
Npdes Type: Not reported
Reclamation: Not reported
Dredge Fill Fee: Not reported
301H: Not reported
Application Fee Amt Received: Not reported
Status: Not reported
Status Date: Not reported
Effective Date: Not reported
Expiration/Review Date: Not reported
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: Not reported
Individual/General: Not reported
Fee Code: Not reported
Direction/Voice: Not reported
Enforcement Id(EID): 225010
Region: 1
Order / Resolution Number: Not reported
Enforcement Action Type: Staff Enforcement Letter
Effective Date: 12/23/1999
Adoption/Issuance Date: Not reported
Achieve Date: Not reported
Termination Date: 12/23/1999
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: Enforcement - 1B1HU319NSL Cook, Jesse & Linda
Description: WORKPLAN LATE BY 3.5 MONTHS
Program: SLIC
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

CERS:

Name: COOK, JESSE & LINDA
Address: 2809 BAY SCHOOL
City,State,Zip: ARCATA, CA 95521
Site ID: 223047
CERS ID: 215627

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COOK, ESSE & LINDA (Continued)

S105051183

CERS Description: Tanks & Ground Water Clean Up

Violations:

Site ID: 223047
Site Name: COOK, JESSE & LINDA
Violation Date: 10-29-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: PLAN DUE AND NOT RECEIVED
Violation Division: Water Boards
Violation Program: SLIC
Violation Source: CIWQS,

Site ID: 223047
Site Name: COOK, JESSE & LINDA
Violation Date: 12-21-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: WORKPLAN FOR SAMPLING DUE 8/31/99. RP CALLED ON 8/2/99 AND REQUESTED PREVIOUS LETTERS
Violation Division: Water Boards
Violation Program: SLIC
Violation Source: CIWQS,

Enforcement Action:

Site ID: 223047
Site Name: COOK, JESSE & LINDA
Site Address: 2809 BAY SCHOOL
Site City: ARCATA
Site Zip: 95521
Enf Action Date: 12-23-1999
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: SLIC
Enf Action Source: CIWQS,

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: Mark Verhey - HUMBOLDT COUNTY LOP
Entity Title: Not reported
Affiliation Address: 100 H Street, Suite 100
Affiliation City: Eureka
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Regional Board Caseworker
Entity Name: SCP OPEN INACTIVE GENERAL CONTACT - NORTH COAST RWQCB (REGION 1)
Entity Title: Not reported
Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
Affiliation City: SANTA ROSA
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

COOK, ESSE & LINDA (Continued)

S105051183

Affiliation Phone: ,

Name: COOK, JESSE & LINDA
Address: 2809 BAY SCHOOL
City,State,Zip: ARCATA, CA 95521
Site ID: 223047
CERS ID: T0602393236
CERS Description: Cleanup Program Site

Violations:

Site ID: 223047
Site Name: COOK, JESSE & LINDA
Violation Date: 10-29-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: PLAN DUE AND NOT RECEIVED
Violation Division: Water Boards
Violation Program: SLIC
Violation Source: CIWQS,

Site ID: 223047
Site Name: COOK, JESSE & LINDA
Violation Date: 12-21-1999
Citation: California Water Code
Violation Description: Not reported
Violation Notes: WORKPLAN FOR SAMPLING DUE 8/31/99. RP CALLED ON 8/2/99 AND REQUESTED PREVIOUS LETTERS
Violation Division: Water Boards
Violation Program: SLIC
Violation Source: CIWQS,

Enforcement Action:

Site ID: 223047
Site Name: COOK, JESSE & LINDA
Site Address: 2809 BAY SCHOOL
Site City: ARCATA
Site Zip: 95521
Enf Action Date: 12-23-1999
Enf Action Type: Staff Enforcement Letter (Informal)
Enf Action Description: Staff Enforcement Letter (Informal)
Enf Action Notes: Not reported
Enf Action Division: Water Boards
Enf Action Program: SLIC
Enf Action Source: CIWQS,

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: Mark Verhey - HUMBOLDT COUNTY LOP
Entity Title: Not reported
Affiliation Address: 100 H Street, Suite 100
Affiliation City: Eureka
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

COOK, ESSE & LINDA (Continued)

S105051183

Affiliation Type Desc: Regional Board Caseworker
 Entity Name: SCP OPEN INACTIVE GENERAL CONTACT - NORTH COAST RWQCB (REGION 1)
 Entity Title: Not reported
 Affiliation Address: 5550 SKYLANE BOULEVARD, SUITE A
 Affiliation City: SANTA ROSA
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: ,

5
SE
1/4-1/2
0.295 mi.
1557 ft.

EEL RIVER SAWMILL, SPECIA
2000 FOSTER
ARCATA, CA 95521

LUST **S102429138**
CPS-SLIC **N/A**
Cortese
HIST CORTESE

Relative:
Lower
Actual:
22 ft.

LUST:
 Name: EEL RIVER SAWMILL, SPECIALTY
 Address: 2000 FOSTER AVENUE
 City,State,Zip: ARCATA, CA 95521
 Lead Agency: NORTH COAST RWQCB (REGION 1)
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602300394
 Global Id: T0602300394
 Latitude: 40.8807116134804
 Longitude: -124.095509560852
 Status: Completed - Case Closed
 Status Date: 05/22/2001
 Case Worker: ZZZ
 RB Case Number: 1THU518
 Local Agency: HUMBOLDT COUNTY LOP
 File Location: Not reported
 Local Case Number: 12518
 Potential Media Affect: Soil
 Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
 Site History: Not reported

LUST:
 Global Id: T0602300394
 Contact Type: Regional Board Caseworker
 Contact Name: HUMBOLDT COUNTY LOP CLOSED SITE
 Organization Name: NORTH COAST RWQCB (REGION 1)
 Address: 5550 SKYLANE BOULEVARD, SUITE A
 City: SANTA ROSA
 Email: Not reported
 Phone Number: Not reported

Global Id: T0602300394
 Contact Type: Local Agency Caseworker
 Contact Name: Mark Verhey
 Organization Name: HUMBOLDT COUNTY LOP
 Address: 100 H Street, Suite 100
 City: Eureka
 Email: mverhey@co.humboldt.ca.us
 Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EEL RIVER SAWMILL, SPECIA (Continued)

S102429138

LUST:

Global Id: T0602300394
Action Type: Other
Date: 02/28/1995
Action: Leak Discovery

Global Id: T0602300394
Action Type: Other
Date: 02/28/1995
Action: Leak Reported

Global Id: T0602300394
Action Type: RESPONSE
Date: 01/12/1999
Action: Request for Closure

Global Id: T0602300394
Action Type: ENFORCEMENT
Date: 05/22/2001
Action: Closure/No Further Action Letter - #12518.RACC

Global Id: T0602300394
Action Type: Other
Date: 02/28/1995
Action: Leak Stopped

Global Id: T0602300394
Action Type: ENFORCEMENT
Date: 05/22/2001
Action: Closure/No Further Action Letter

LUST:

Global Id: T0602300394
Status: Open - Case Begin Date
Status Date: 02/28/1995

Global Id: T0602300394
Status: Open - Site Assessment
Status Date: 03/20/1995

Global Id: T0602300394
Status: Open - Remediation
Status Date: 05/21/2001

Global Id: T0602300394
Status: Open - Site Assessment
Status Date: 05/21/2001

Global Id: T0602300394
Status: Open - Verification Monitoring
Status Date: 05/21/2001

Global Id: T0602300394
Status: Completed - Case Closed
Status Date: 05/22/2001

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EEL RIVER SAWMILL, SPECIA (Continued)

S102429138

LUST REG 1:

Region: 1
Facility ID: 1THU518
Staff Initials: HUM

SLIC REG 1:

Region: 1
Facility ID: 1NHU518
Staff Initials: AAA

CPS-SLIC:

Name: EEL RIVER SAWMILL, SPECIALTY
Address: 2000 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Region: STATE
Facility Status: Completed - Case Closed
Status Date: 03/10/2009
Global Id: T0602391361
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 40.880935
Longitude: -124.099052
Case Type: Cleanup Program Site
Case Worker: ZZZ
Local Agency: Not reported
RB Case Number: 1NHU518
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Waste Oil / Motor / Hydraulic / Lubricating
Site History: Redwood mill - dioxins found associated with former teepee burner.
contaminated soils removed. No further action required as of 2-2-09.

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

CORTESE:

Name: EEL RIVER SAWMILL, SPECIALTY
Address: 2000 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0602300394
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EEL RIVER SAWMILL, SPECIA (Continued)

S102429138

WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: EEL RIVER SAWMILL, SPECIA
edr_fadd1: 2000 FOSTER
City,State,Zip: ARCATA, CA 95521
Region: CORTESE
Facility County Code: 12
Reg By: LTNKA
Reg Id: 1THU518

**A6
NE
1/4-1/2
0.329 mi.
1735 ft.**

**SUN VALLEY BULB FARMS INC
1780 27TH STREET
ARCATA, CA 93923**

**Notify 65 S100178248
N/A**

Site 1 of 3 in cluster A

**Relative:
Higher
Actual:
35 ft.**

NOTIFY 65:
Name: SUN VALLEY BULB FARMS INC
Address: 1780 27TH STREET
City,State,Zip: ARCATA, CA 93923
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

**A7
NE
1/4-1/2
0.329 mi.
1735 ft.**

**SUN VALLEY BULB FARMS
1780 27TH STREET
ARCATA, CA 93923**

**Notify 65 S100178356
N/A**

Site 2 of 3 in cluster A

**Relative:
Higher
Actual:
35 ft.**

NOTIFY 65:
Name: SUN VALLEY BULB FARMS
Address: 1780 27TH STREET
City,State,Zip: ARCATA, CA 93923
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

A8
NE
1/4-1/2
0.329 mi.
1735 ft.

SUN VALLEY BULB FARMS
1780 27TH STREET
ARCATA, CA 93923

Site 3 of 3 in cluster A

Notify 65 **S100178419**
N/A

Relative:
Higher

Actual:
35 ft.

NOTIFY 65:
Name: SUN VALLEY BULB FARMS
Address: 1780 27TH STREET
City,State,Zip: ARCATA, CA 93923
Date Reported: Not reported
Staff Initials: Not reported
Board File Number: Not reported
Facility Type: Not reported
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: Not reported
Global ID: Not reported
Status: Not reported

9
West
1/4-1/2
0.345 mi.
1821 ft.

SIMPSON TIMBER COMPANY, ARCATA
3315 FOSTER AVENUE
ARCATA, CA 95521

CPS-SLIC **S105050961**
N/A

Relative:
Lower

Actual:
22 ft.

SLIC REG 1:
Region: 1
Facility ID: 1NHU661
Staff Initials: KSA

CPS-SLIC:
Name: SIMPSON TIMBER COMPANY, ARCATA
Address: 3315 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Region: STATE
Facility Status: **Open - Verification Monitoring**
Status Date: 06/22/2017
Global Id: T0602393409
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 40.8831338898209
Longitude: -124.106991291046
Case Type: Cleanup Program Site
Case Worker: FAB
Local Agency: DEPARTMENT OF TOXIC SUBSTANCES CONTROL
RB Case Number: 1NHU661
File Location: Regional Board
Potential Media Affected: Aquifer used for drinking water supply
Potential Contaminants of Concern: * Solvents, Dichloroethene (DCE), Other Chlorinated Hydrocarbons, Vinyl chloride, Dioxin / Furans, Polychlorinated biphenyls (PCBs), Other Insecticides / Pesticide / Fumigants / Herbicides, Pentachlorophenol (PCP), Nickel, Benzene, Diesel, Gasoline, Toluene, Waste Oil / Motor / Hydraulic / Lubricating, Xylene

Site History: Not reported

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

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

10
East
1/4-1/2
0.424 mi.
2241 ft.

ARCATA 76
2205 ALLIANCE ROAD
ARCATA, CA 95521

LUST **S101307182**
Cortese **N/A**
EMI
HIST CORTESE
CERS

Relative:
Lower
Actual:
25 ft.

LUST:
 Name: BIG OIL & TIRE - ARCATA BP
 Address: 2205 ALLIANCE ROAD
 City,State,Zip: ARCATA, CA 95521
 Lead Agency: NORTH COAST RWQCB (REGION 1)
 Case Type: LUST Cleanup Site
 Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602300259
 Global Id: T0602300259
 Latitude: 40.8824498371012
 Longitude: -124.091608381364
 Status: Completed - Case Closed
 Status Date: 06/09/2016
 Case Worker: ZZZ
 RB Case Number: 1THU339
 Local Agency: HUMBOLDT COUNTY LOP
 File Location: Local Agency
 Local Case Number: 12339
 Potential Media Affect: Aquifer used for drinking water supply
 Potential Contaminants of Concern: Gasoline
 Site History: Not reported

LUST:
 Global Id: T0602300259
 Contact Type: Regional Board Caseworker
 Contact Name: HUMBOLDT COUNTY LOP CLOSED SITE
 Organization Name: NORTH COAST RWQCB (REGION 1)
 Address: 5550 SKYLANE BOULEVARD, SUITE A
 City: SANTA ROSA
 Email: Not reported
 Phone Number: Not reported

Global Id: T0602300259
 Contact Type: Local Agency Caseworker
 Contact Name: Mark Verhey
 Organization Name: HUMBOLDT COUNTY LOP
 Address: 100 H Street, Suite 100
 City: Eureka
 Email: mverhey@co.humboldt.ca.us
 Phone Number: Not reported

LUST:
 Global Id: T0602300259
 Action Type: ENFORCEMENT
 Date: 03/15/1991
 Action: * Historical Enforcement

Global Id: T0602300259
 Action Type: ENFORCEMENT
 Date: 12/08/2003
 Action: Staff Letter

Global Id: T0602300259
 Action Type: ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Date: 02/26/2007
Action: File review

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 10/11/2012
Action: Notice of Violation

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 08/23/2012
Action: Warning Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 02/20/2015
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 07/08/2015
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 02/10/2016
Action: Staff Letter

Global Id: T0602300259
Action Type: Other
Date: 03/14/1991
Action: Leak Discovery

Global Id: T0602300259
Action Type: REMEDIATION
Date: 01/15/2004
Action: Excavation

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 10/03/2002
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 01/16/2013
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 04/19/2012
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 12/22/2014
Action: Staff Letter

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Global Id:	T0602300259
Action Type:	Other
Date:	03/14/1991
Action:	Leak Reported
Global Id:	T0602300259
Action Type:	RESPONSE
Date:	10/08/2014
Action:	Soil and Water Investigation Workplan - Regulator Responded
Global Id:	T0602300259
Action Type:	RESPONSE
Date:	03/07/2016
Action:	Well Destruction Workplan - Regulator Responded
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	11/19/2007
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	05/25/2007
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	12/14/2006
Action:	Verbal Communication
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	08/04/2009
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	07/29/2009
Action:	Meeting
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	03/15/2011
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	10/20/2014
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	12/07/2015
Action:	Notification - Public Participation Document
Global Id:	T0602300259
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Date:	03/18/2016
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	10/31/2005
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	05/04/2006
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	08/08/2007
Action:	File review
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	02/02/2006
Action:	File review
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	11/15/2006
Action:	File review
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	02/01/2006
Action:	Site Visit / Inspection / Sampling
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	04/19/2007
Action:	Meeting
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	10/11/2006
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	11/14/2008
Action:	Notice of Violation
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	12/22/2008
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	02/26/2009
Action:	Meeting

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	02/17/2009
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	06/10/2009
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	06/30/2014
Action:	File review
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	08/04/2014
Action:	Clean Up Fund - Case Closure Review Summary Report (RSR)
Global Id:	T0602300259
Action Type:	Other
Date:	03/14/1991
Action:	Leak Stopped
Global Id:	T0602300259
Action Type:	RESPONSE
Date:	05/01/2009
Action:	Conceptual Site Model
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	07/31/2003
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	09/02/2003
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	10/20/2006
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	04/12/2006
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT
Date:	10/19/2011
Action:	Staff Letter
Global Id:	T0602300259
Action Type:	ENFORCEMENT

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Date: 05/13/2011
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 02/03/2011
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 12/08/2015
Action: Staff Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 06/09/2016
Action: Closure/No Further Action Letter

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 12/01/2015
Action: Other Report

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 08/05/2014
Action: Clean Up Fund - Case Closure Review Summary Report (RSR)

Global Id: T0602300259
Action Type: RESPONSE
Date: 01/19/2009
Action: Conceptual Site Model

Global Id: T0602300259
Action Type: ENFORCEMENT
Date: 03/17/2009
Action: Staff Letter

LUST:

Global Id: T0602300259
Status: Open - Case Begin Date
Status Date: 03/14/1991

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 03/15/1991

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 10/26/1994

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 07/31/2003

Global Id: T0602300259
Status: Open - Site Assessment

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Status Date:	09/02/2003
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	12/08/2003
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	12/14/2003
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	10/31/2005
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	02/01/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	02/02/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	04/12/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	05/04/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	10/11/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	10/20/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	11/15/2006
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	02/26/2007
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	04/19/2007
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	05/25/2007
Global Id:	T0602300259
Status:	Open - Site Assessment
Status Date:	08/08/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 11/19/2007

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 12/21/2007

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 08/04/2009

Global Id: T0602300259
Status: Open - Site Assessment
Status Date: 05/02/2013

Global Id: T0602300259
Status: Open - Eligible for Closure
Status Date: 12/08/2015

Global Id: T0602300259
Status: Completed - Case Closed
Status Date: 06/09/2016

LUST REG 1:

Region: 1
Facility ID: 1THU339
Staff Initials: HUM

CORTESE:

Name: BIG OIL & TIRE - ARCATA BP
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0602300259
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

EMI:

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA
Year: 2006
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .2556406124061688464
Reactive Organic Gases Tons/Yr: .2543639
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 0
Year: 2007
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .2419636073666034703
Reactive Organic Gases Tons/Yr: .2407552
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2008
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: .1949648875870952269
Reactive Organic Gases Tons/Yr: .1939912
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

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

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2009
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.13227409917298499
Reactive Organic Gases Tons/Yr: 0.13161349999999999
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2010
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.13227409917298499
Reactive Organic Gases Tons/Yr: 0.13161349999999999
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smlr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2011
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 0.21631671256

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Reactive Organic Gases Tons/Yr: 0.2152534
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2014
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.446511687
Reactive Organic Gases Tons/Yr: 0.446511687
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2015
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.446511687
Reactive Organic Gases Tons/Yr: 0.446511687
Carbon Monoxide Emissions Tons/Yr: 0
NOX - Oxides of Nitrogen Tons/Yr: 0
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers and Smllr Tons/Yr:0

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2016
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.446511687
Reactive Organic Gases Tons/Yr: 0.446511687
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smlr Tons/Yr:Not reported

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2017
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.512149149
Reactive Organic Gases Tons/Yr: 0.512149149
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smlr Tons/Yr:Not reported

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2018
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.512149149
Reactive Organic Gases Tons/Yr: 0.512149149
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smlr Tons/Yr:Not reported

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2019
County Code: 12
Air Basin: NC
Facility ID: 654

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA 76 (Continued)

S101307182

Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.512149149
Reactive Organic Gases Tons/Yr: 0.512149149
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Year: 2020
County Code: 12
Air Basin: NC
Facility ID: 654
Air District Name: NCU
SIC Code: 5541
Air District Name: NORTH COAST UNIFIED AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: A
Total Organic Hydrocarbon Gases Tons/Yr: 0.037763322
Reactive Organic Gases Tons/Yr: 0.037763322
Carbon Monoxide Emissions Tons/Yr: Not reported
NOX - Oxides of Nitrogen Tons/Yr: Not reported
SOX - Oxides of Sulphur Tons/Yr: Not reported
Particulate Matter Tons/Yr: Not reported
Part. Matter 10 Micrometers and Smllr Tons/Yr: Not reported

HIST CORTESE:
edr_fname: BP MINI MART / BIG OIL &
edr_fadd1: 2205 ALLIANCE
City,State,Zip: ARCATA, CA
Region: CORTESE
Facility County Code: 12
Reg By: LTNKA
Reg Id: 1THU339

CERS:
Name: ARCATA 76
Address: 2205 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Site ID: 451883
CERS ID: 110054317501
CERS Description: US EPA Air Emission Inventory System (EIS)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

11
East
1/4-1/2
0.456 mi.
2406 ft.

WESTWOOD LAUNDROMAT
2505 ALLIANCE ROAD
ARCATA, CA 95521

LUST S101294714
Cortese N/A
HIST CORTESE

Relative:
Higher

Actual:
30 ft.

LUST:

Name: WESTWOOD LAUNDROMAT
Address: 2505 ALLIANCE ROAD
City,State,Zip: ARCATA, CA 95521
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602300326
Global Id: T0602300326
Latitude: 40.8848282343626
Longitude: -124.090176157523
Status: Completed - Case Closed
Status Date: 06/30/1999
Case Worker: ZZZ
RB Case Number: 1THU431
Local Agency: HUMBOLDT COUNTY LOP
File Location: Not reported
Local Case Number: 12431
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0602300326
Contact Type: Regional Board Caseworker
Contact Name: HUMBOLDT COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Global Id: T0602300326
Contact Type: Local Agency Caseworker
Contact Name: Mark Verhey
Organization Name: HUMBOLDT COUNTY LOP
Address: 100 H Street, Suite 100
City: Eureka
Email: mverhey@co.humboldt.ca.us
Phone Number: Not reported

LUST:

Global Id: T0602300326
Action Type: Other
Date: 08/31/1992
Action: Leak Discovery

Global Id: T0602300326
Action Type: ENFORCEMENT
Date: 10/05/1992
Action: * Historical Enforcement

Global Id: T0602300326
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WESTWOOD LAUNDROMAT (Continued)

S101294714

Date: 08/31/1992
Action: Leak Reported

Global Id: T0602300326
Action Type: RESPONSE
Date: 05/04/1998
Action: Request for Closure

Global Id: T0602300326
Action Type: ENFORCEMENT
Date: 06/30/1999
Action: Closure/No Further Action Letter - #12431.RACC

Global Id: T0602300326
Action Type: Other
Date: 08/31/1992
Action: Leak Stopped

LUST:

Global Id: T0602300326
Status: Open - Case Begin Date
Status Date: 08/31/1992

Global Id: T0602300326
Status: Open - Site Assessment
Status Date: 10/05/1992

Global Id: T0602300326
Status: Open - Site Assessment
Status Date: 09/26/1994

Global Id: T0602300326
Status: Open - Remediation
Status Date: 06/29/1999

Global Id: T0602300326
Status: Open - Site Assessment
Status Date: 06/29/1999

Global Id: T0602300326
Status: Open - Verification Monitoring
Status Date: 06/29/1999

Global Id: T0602300326
Status: Completed - Case Closed
Status Date: 06/30/1999

LUST REG 1:

Region: 1
Facility ID: 1THU431
Staff Initials: HUM

CORTESE:

Name: WESTWOOD LAUNDROMAT
Address: 2505 ALLIANCE ROAD

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

WESTWOOD LAUNDROMAT (Continued)

S101294714

City,State,Zip: ARCATA, CA 95521
 Region: CORTESE
 Envirostor Id: Not reported
 Global ID: T0602300326
 Site/Facility Type: LUST CLEANUP SITE
 Cleanup Status: COMPLETED - CASE CLOSED
 Status Date: Not reported
 Site Code: Not reported
 Latitude: Not reported
 Longitude: Not reported
 Owner: Not reported
 Enf Type: Not reported
 Swat R: Not reported
 Flag: active
 Order No: Not reported
 Waste Discharge System No: Not reported
 Effective Date: Not reported
 Region 2: Not reported
 WID Id: Not reported
 Solid Waste Id No: Not reported
 Waste Management Uit Name: Not reported
 File Name: Active Open

HIST CORTESE:

edr_fname: WESTWOOD LAUNDROMAT
 edr_fadd1: 2505 ALLIANCE
 City,State,Zip: ARCATA, CA 95521
 Region: CORTESE
 Facility County Code: 12
 Reg By: LTNKA
 Reg Id: 1THU431

12
ESE
1/2-1
0.774 mi.
4087 ft.

ARCATA OPEN DOOR COMMUNITY HEALTH CENTER
1150 FOSTER AVENUE
ARCATA, CA 95521

ENVIROSTOR S126143194
NPDES N/A
CIWQS
CERS

Relative:
Higher
Actual:
46 ft.

ENVIROSTOR:
 Name: ARCATA COMMUNITY HEALTH CENTER
 Address: 1150 FOSTER AVENUE
 City,State,Zip: ARCATA, CA 95521
 Facility ID: 60002941
 Status: No Action Required
 Status Date: 08/03/2020
 Site Code: 202298
 Site Type: Calmortgage
 Site Type Detailed: Calmortgage
 Acres: 2.55
 NPL: NO
 Regulatory Agencies: SMBRP
 Lead Agency: SMBRP
 Program Manager: Andrew Reimanis
 Supervisor: Juan Peng
 Division Branch: Cleanup Sacramento
 Assembly: 02
 Senate: 02

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA OPEN DOOR COMMUNITY HEALTH CENTER (Continued)

S126143194

Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: CalMortgage
Latitude: 40.87979
Longitude: -124.0858
APN: 555-121-031
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: 555-121-031
Alias Type: APN
Alias Name: 202298
Alias Type: Project Code (Site Code)
Alias Name: 60002941
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 03/02/2020
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

NPDES:

Name: ARCATA OPEN DOOR COMMUNITY HEALTH CENTER
Address: 1150 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Facility Status: Not reported
NPDES Number: Not reported
Region: Not reported
Agency Number: Not reported
Regulatory Measure ID: Not reported
Place ID: Not reported
Order Number: Not reported
WDID: 1 12C391521
Regulatory Measure Type: Construction
Program Type: Not reported
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: Not reported
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: Not reported
Discharge Name: Not reported
Discharge City: Not reported
Discharge State: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA OPEN DOOR COMMUNITY HEALTH CENTER (Continued)

S126143194

Discharge Zip: Not reported
Status: Active
Status Date: 09/22/2020
Operator Name: Open Door Community Health Centers
Operator Address: 690 Ninth St
Operator City: Arcata
Operator State: California
Operator Zip: 95521

Name: ARCATA OPEN DOOR COMMUNITY HEALTH CENTER
Address: 1150 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Facility Status: Active
NPDES Number: CAS000002
Region: 1
Agency Number: 0
Regulatory Measure ID: 474208
Place ID: Not reported
Order Number: 2009-0009-DWQ
WDID: 1 12C391521
Regulatory Measure Type: Enrollee
Program Type: Construction
Adoption Date Of Regulatory Measure: Not reported
Effective Date Of Regulatory Measure: 09/22/2020
Termination Date Of Regulatory Measure: Not reported
Expiration Date Of Regulatory Measure: Not reported
Discharge Address: 690 Ninth St
Discharge Name: Open Door Community Health Centers
Discharge City: Arcata
Discharge State: California
Discharge Zip: 95521
Status: Not reported
Status Date: Not reported
Operator Name: Not reported
Operator Address: Not reported
Operator City: Not reported
Operator State: Not reported
Operator Zip: Not reported

CIWQS:

Name: ARCATA OPEN DOOR COMMUNITY HEALTH CENTER
Address: 1150 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Agency: Open Door Community Health Centers
Agency Address: 690 Ninth St Suite 204, Arcata, CA 95521
Place/Project Type: Construction - Commercial
SIC/NAICS: Not reported
Region: 1
Program: CONSTW
Regulatory Measure Status: Active
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 1 12C391521
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 09/22/2020
Termination Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARCATA OPEN DOOR COMMUNITY HEALTH CENTER (Continued)

S126143194

Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 40.8796
Longitude: -124.08572

CERS:

Name: ARCATA OPEN DOOR COMMUNITY HEALTH CENTER
Address: 1150 FOSTER AVENUE
City,State,Zip: ARCATA, CA 95521
Site ID: 578893
CERS ID: 885661
CERS Description: Construction Storm Water

Affiliation:

Affiliation Type Desc: Owner/Operator
Entity Name: Open Door Community Health Centers
Entity Title: Operator
Affiliation Address: 690 Ninth St Suite 204
Affiliation City: Arcata
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 95521
Affiliation Phone: ,

13
NNW
1/2-1
0.784 mi.
4140 ft.

SUN VALLEY FLORAL FARMS
3160 UPPER BAY ROAD
ARCATA, CA 95521

Notify 65 **S100562407**
HWTS **N/A**

Relative:
Lower
Actual:
22 ft.

NOTIFY 65:

Name: SUN VALLEY FLORAL FARMS
Address: 3160 UPPER BAY ROAD
City,State,Zip: ARCATA, CA 95521
Date Reported: 19930623
Staff Initials: SAW
Board File Number: OTE930000
Facility Type: NONPOINT
Discharge Date: Not reported
Issue Date: Not reported
Incident Description: SELF-MONITORING REPORTS FROM SVFF SHOWS PESTICIDES LIKE ZIRAM (DITHIOCARBAMATES) IN WELL WATER ON-SITE, AND RUN
Global ID: Not reported
Status: Not reported

HWTS:

Name: SUN VALLEY FLORAL FARMS
Address: 3160 UPPER BAY ROAD
Address 2: Not reported
City,State,Zip: ARCATA, CA 95521
EPA ID: CAC002932286

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUN VALLEY FLORAL FARMS (Continued)

S100562407

Inactive Date: 01/13/2018
Create Date: 10/13/2017
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: 3160 UPPER BAY ROAD
Mailing Address 2: Not reported
Mailing City,State,Zip: ARCATA, CA 95521
Owner Name: LANE DE VARIES
Owner Address: 3160 UPPER BAY ROAD
Owner Address 2: Not reported
Owner City,State,Zip: ARCATA, CA 95521
Contact Name: CHANCE
Contact Address: 3160 UPPER BAY ROAD
Contact Address 2: Not reported
City,State,Zip: ARCATA, CA 95521
Facility Status: Inactive
Facility Type: TEMPORARY
Category: STATE
Latitude: 40.897099
Longitude: -124.103323

14
SSE
1/2-1
0.850 mi.
4489 ft.

ARVATA COMMUNITY RECYCLING CEN
1380 NINTH STREET
ARCATA, CA 95521

LUST U000069517
CPS-SLIC N/A
HIST UST
Cortese
Notify 65

Relative:
Lower
Actual:
19 ft.

LUST:
Name: ARCATA COMMUNITY RECYCLING CENTER
Address: 1380 NINTH STREET
City,State,Zip: ARCATA, CA 95521
Lead Agency: NORTH COAST RWQCB (REGION 1)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0602300054
Global Id: T0602300054
Latitude: 40.87050126715
Longitude: -124.092285291772
Status: Completed - Case Closed
Status Date: 08/02/2010
Case Worker: ZZZ
RB Case Number: 1THU060
Local Agency: HUMBOLDT COUNTY LOP
File Location: Local Agency
Local Case Number: 12060
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Diesel, Gasoline, * Petroleum - Waste Oil
Site History: Excavation has been concurred with (5/2010)

LUST:
Global Id: T0602300054
Contact Type: Regional Board Caseworker
Contact Name: HUMBOLDT COUNTY LOP CLOSED SITE
Organization Name: NORTH COAST RWQCB (REGION 1)
Address: 5550 SKYLANE BOULEVARD, SUITE A
City: SANTA ROSA
Email: Not reported
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARVATA COMMUNITY RECYCLING CEN (Continued)

U000069517

Global Id: T0602300054
Contact Type: Local Agency Caseworker
Contact Name: Mark Verhey
Organization Name: HUMBOLDT COUNTY LOP
Address: 100 H Street, Suite 100
City: Eureka
Email: mverhey@co.humboldt.ca.us
Phone Number: Not reported

LUST:

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 04/23/2004
Action: File review

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 05/21/2008
Action: Staff Letter

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 01/04/2000
Action: * Historical Enforcement

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 04/20/2007
Action: Staff Letter

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 04/13/2010
Action: Staff Letter

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 06/24/2010
Action: Notification - Public Participation Document

Global Id: T0602300054
Action Type: Other
Date: 10/04/1988
Action: Leak Discovery

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 10/28/2003
Action: Meeting

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 12/10/2003
Action: Staff Letter

Global Id: T0602300054
Action Type: Other

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARVATA COMMUNITY RECYCLING CEN (Continued)

U000069517

Date:	10/04/1988
Action:	Leak Reported
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	03/23/2004
Action:	* No Action
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	04/07/2008
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	02/19/2009
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	07/10/2009
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	07/31/2009
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	06/24/2010
Action:	LOP Case Closure Summary to RB
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	10/26/2007
Action:	Technical Correspondence / Assistance / Other
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	12/16/2008
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	03/03/2009
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	ENFORCEMENT
Date:	06/24/2010
Action:	Staff Letter
Global Id:	T0602300054
Action Type:	Other
Date:	10/04/1988
Action:	Leak Stopped

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARVATA COMMUNITY RECYCLING CEN (Continued)

U000069517

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 04/08/2005
Action: Notice of Responsibility

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 10/10/2008
Action: Staff Letter

Global Id: T0602300054
Action Type: ENFORCEMENT
Date: 08/02/2010
Action: Closure/No Further Action Letter

LUST:

Global Id: T0602300054
Status: Open - Case Begin Date
Status Date: 02/07/1987

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 02/07/1987

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 10/04/1988

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 03/02/1995

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 03/06/1995

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 08/20/2002

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 10/24/2002

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 02/27/2003

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 03/04/2003

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 05/14/2003

Global Id: T0602300054

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARVATA COMMUNITY RECYCLING CEN (Continued)

U000069517

Status: Open - Site Assessment
Status Date: 10/28/2003

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 12/10/2003

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 03/23/2004

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 04/23/2004

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 11/13/2006

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 09/16/2007

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 10/26/2007

Global Id: T0602300054
Status: Completed - Case Closed
Status Date: 05/19/2010

Global Id: T0602300054
Status: Open - Site Assessment
Status Date: 05/19/2010

Global Id: T0602300054
Status: Completed - Case Closed
Status Date: 08/02/2010

CPS-SLIC:

Name: ARCATA COMMUNITY RECYCLING / FORMER STANDARD OIL FACILITY
Address: 1380 NINTH STREET
City,State,Zip: ARCATA, CA 95521
Region: STATE
Facility Status: **Open - Assessment & Interim Remedial Action**
Status Date: 12/23/2010
Global Id: T10000002709
Lead Agency: NORTH COAST RWQCB (REGION 1)
Lead Agency Case Number: Not reported
Latitude: 40.870528
Longitude: -124.092514
Case Type: Cleanup Program Site
Case Worker: TNM
Local Agency: Not reported
RB Case Number: 1NHU060
File Location: Regional Board

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ARVATA COMMUNITY RECYCLING CEN (Continued)

U000069517

Potential Media Affected: Aquifer used for drinking water supply, Soil
Potential Contaminants of Concern: Diesel, Gasoline
Site History: The site is a former bulk petroleum storage facility that received, stored, and dispensed a wide variety of petroleum products between approximately 1921 and 1972. Historical releases of petroleum hydrocarbons have occurred impacting soil and groundwater. Soil and groundwater investigation activities have been completed at the site since 1987, with remedial soil excavation in October 2012.

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

HIST UST:

Name: ARVATA COMMUNITY RECYCLING CEN
Address: 1380 NINTH STREET
City,State,Zip: ARCATA, CA 95521
File Number: 00025F27
URL: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00025F27.pdf>
Region: Not reported
Facility ID: Not reported
Facility Type: Not reported
Other Type: Not reported
Contact Name: Not reported
Telephone: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner City,St,Zip: Not reported
Total Tanks: Not reported

Tank Num: Not reported
Container Num: Not reported
Year Installed: Not reported
Tank Capacity: Not reported
Tank Used for: Not reported
Type of Fuel: Not reported
Container Construction Thickness: Not reported
Leak Detection: Not reported

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

CORTESE:

Name: ARCATA COMMUNITY RECYCLING CENTER
Address: 1380 NINTH STREET
City,State,Zip: ARCATA, CA 95521
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0602300054
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported
Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

ARVATA COMMUNITY RECYCLING CEN (Continued)

U000069517

Order No: Not reported
 Waste Discharge System No: Not reported
 Effective Date: Not reported
 Region 2: Not reported
 WID Id: Not reported
 Solid Waste Id No: Not reported
 Waste Management Uit Name: Not reported
 File Name: Active Open

NOTIFY 65:

Name: ARCATA COMMUNITY RECYCLING CTR
 Address: 1380 NINTH STREET
 City,State,Zip: ARCATA, CA 93923
 Date Reported: Not reported
 Staff Initials: Not reported
 Board File Number: Not reported
 Facility Type: Not reported
 Discharge Date: Not reported
 Issue Date: Not reported
 Incident Description: Not reported
 Global ID: Not reported
 Status: Not reported

**15
 SSE
 1/2-1
 0.997 mi.
 5264 ft.**

**BEAVER LUMBER COMPANY OF ARCATA
 1220 5TH STREET
 ARCATA, CA 95521**

**ENVIROSTOR S102808640
 CUPA Listings N/A
 HIST CORTESE**

**Relative:
 Lower
 Actual:
 15 ft.**

ENVIROSTOR:
 Name: BEAVER LUMBER COMPANY OF ARCATA
 Address: 1220 5TH STREET
 City,State,Zip: ARCATA, CA 95521
 Facility ID: 12240117
 Status: Refer: RWQCB
 Status Date: 09/27/1993
 Site Code: Not reported
 Site Type: Historical
 Site Type Detailed: * Historical
 Acres: Not reported
 NPL: NO
 Regulatory Agencies: NONE SPECIFIED
 Lead Agency: NONE SPECIFIED
 Program Manager: Not reported
 Supervisor: Referred - Not Assigned
 Division Branch: Cleanup Berkeley
 Assembly: 02
 Senate: 02
 Special Program: Not reported
 Restricted Use: NO
 Site Mgmt Req: NONE SPECIFIED
 Funding: Not reported
 Latitude: 40.86725
 Longitude: -124.0925
 APN: NONE SPECIFIED
 Past Use: NONE SPECIFIED
 Potential COC: Polychlorinated biphenyls (PCBs)

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAVER LUMBER COMPANY OF ARCATA (Continued)

S102808640

Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED
Alias Name: ARCATA REDWOOD
Alias Type: Alternate Name
Alias Name: 12240117
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 03/17/1988
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

CUPA HUMBOLDT:

Name: WING INFLATABLES, INC.
Address: 1220 5TH ST
City,State,Zip: ARCATA, CA 95521
Local Site Id: FA0003676
Facility Address 2: Not reported
Program Identifier: CUPA - SQG
Program Element Code Desc: 4401 4401 - Hazardous Waste Generator (SQG)
Permit Status: 01 - Active
CERS ID: 10021312
Facility Status: 04 - ACTIVE, EXEMPT FROM BILLING
Record ID: PR0008302
District: N - North
SIC Code: 3999 - Manufacturing industries, nec
Last Touched: 05/21/2021
Update By: DADAMS
Contact Name: Mike Dunaway
Day Phone: 7078262887
Latitude: 40.86682
Longitude: -124.0921

Name: WING INFLATABLES, INC.
Address: 1220 5TH ST
City,State,Zip: ARCATA, CA 95521
Local Site Id: FA0003676
Facility Address 2: Not reported
Program Identifier: CUPA - HMBP
Program Element Code Desc: 4201 4201 - HMBP and/or Inventory
Permit Status: 01 - Active
CERS ID: 10021312
Facility Status: 04 - ACTIVE, EXEMPT FROM BILLING
Record ID: PR0001255
District: N - North

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAVER LUMBER COMPANY OF ARCATA (Continued)

S102808640

SIC Code: 3999 - Manufacturing industries, nec
Last Touched: 05/21/2021
Update By: DADAMS
Contact Name: Mike Dunaway
Day Phone: 7078262887
Latitude: 40.86682
Longitude: -124.0921

HIST CORTESE:

edr_fname: BEAVER LUMBER CO. OF ARCA
edr_fadd1: 1220 5TH
City,State,Zip: ARCATA, CA
Region: CORTESE
Facility County Code: 12
Reg By: WBC&D
Reg Id: 1B870070NSL

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
ARCATA	S104857214	S&H AUTO WRECKERS	ALLIANCE ROAD 3028		LUST

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: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: N/A
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/10/2022
	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: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: N/A
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/10/2022
	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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: N/A
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
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: 05/25/2021
Date Data Arrived at EDR: 06/24/2021
Date Made Active in Reports: 09/20/2021
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 01/10/2023
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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/24/2022
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: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 800-424-9346
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/24/2022
	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: 06/20/2022	Source: EPA
Date Data Arrived at EDR: 06/21/2022	Telephone: 800-424-9346
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	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: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	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: 05/16/2022	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2022	Telephone: 843-820-7326
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/03/2022
Number of Days to Update: 71	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 05/16/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2022	Telephone: 703-603-0695
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	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: 05/16/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/24/2022	Telephone: 703-603-0695
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/17/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	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: 06/14/2022

Source: National Response Center, United States Coast Guard

Date Data Arrived at EDR: 06/15/2022

Telephone: 202-267-2180

Date Made Active in Reports: 06/21/2022

Last EDR Contact: 09/20/2022

Number of Days to Update: 6

Next Scheduled EDR Contact: 01/02/2023

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: 04/25/2022

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 04/26/2022

Telephone: 916-323-3400

Date Made Active in Reports: 07/15/2022

Last EDR Contact: 07/25/2022

Number of Days to Update: 80

Next Scheduled EDR Contact: 11/07/2022

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: 04/25/2022

Source: Department of Toxic Substances Control

Date Data Arrived at EDR: 04/26/2022

Telephone: 916-323-3400

Date Made Active in Reports: 07/15/2022

Last EDR Contact: 07/25/2022

Number of Days to Update: 80

Next Scheduled EDR Contact: 11/07/2022

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: 05/09/2022

Source: Department of Resources Recycling and Recovery

Date Data Arrived at EDR: 05/09/2022

Telephone: 916-341-6320

Date Made Active in Reports: 07/29/2022

Last EDR Contact: 08/08/2022

Number of Days to Update: 81

Next Scheduled EDR Contact: 11/21/2022

Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

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

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

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

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

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

LUST: 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: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 05/24/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 1: Active Toxic Site Investigation

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

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

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

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

LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

LUST REG 4: Underground Storage Tank Leak List

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

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

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: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 06/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/11/2022	Source: EPA, Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-7439
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-8677
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6271
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 04/28/2021	Source: EPA Region 1
Date Data Arrived at EDR: 06/11/2021	Telephone: 617-918-1313
Date Made Active in Reports: 09/07/2021	Last EDR Contact: 06/13/2022
Number of Days to Update: 88	Next Scheduled EDR Contact: 10/31/2022
	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: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-6597
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

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

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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

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

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

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

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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

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

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/01/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/09/2022	Telephone: 916-327-7844
Date Made Active in Reports: 08/26/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 10	Next Scheduled EDR Contact: 12/19/2022
	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: 09/07/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 12/26/2022
	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: 04/20/2022	Source: EPA Region 10
Date Data Arrived at EDR: 06/13/2022	Telephone: 206-553-2857
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 06/02/2022	Source: EPA Region 4
Date Data Arrived at EDR: 06/13/2022	Telephone: 404-562-9424
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 10/31/2022
	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: 04/28/2022	Source: EPA Region 6
Date Data Arrived at EDR: 06/13/2022	Telephone: 214-665-7591
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/14/2022	Source: EPA Region 7
Date Data Arrived at EDR: 06/13/2022	Telephone: 913-551-7003
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2022	Source: EPA Region 8
Date Data Arrived at EDR: 06/13/2022	Telephone: 303-312-6137
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 04/08/2022	Source: EPA Region 9
Date Data Arrived at EDR: 06/13/2022	Telephone: 415-972-3368
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 04/11/2022	Source: EPA Region 5
Date Data Arrived at EDR: 06/13/2022	Telephone: 312-886-6136
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	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: 04/07/2022	Source: EPA, Region 1
Date Data Arrived at EDR: 06/13/2022	Telephone: 617-918-1313
Date Made Active in Reports: 08/16/2022	Last EDR Contact: 06/13/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 04/25/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/26/2022	Telephone: 916-323-3400
Date Made Active in Reports: 07/15/2022	Last EDR Contact: 07/25/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/07/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/13/2022
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	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

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: 06/21/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/21/2022	Telephone: 916-323-7905
Date Made Active in Reports: 09/08/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/02/2023
	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: 02/23/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/10/2022	Telephone: 202-566-2777
Date Made Active in Reports: 03/10/2022	Last EDR Contact: 09/09/2022
Number of Days to Update: 0	Next Scheduled EDR Contact: 12/26/2022
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/23/2022
Number of Days to Update: 77

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

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

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

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

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 04/30/2022	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 05/24/2022	Telephone: 202-307-1000
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/18/2022
Number of Days to Update: 66	Next Scheduled EDR Contact: 12/05/2022
	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: 04/25/2022	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 04/26/2022	Telephone: 916-323-3400
Date Made Active in Reports: 07/15/2022	Last EDR Contact: 07/25/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/07/2022
	Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2019	Source: Department of Toxic Substances Control
Date Data Arrived at EDR: 01/20/2021	Telephone: 916-255-6504
Date Made Active in Reports: 04/08/2021	Last EDR Contact: 09/27/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 01/16/2023
	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

CERS HAZ WASTE: CERS HAZ WASTE

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
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: 04/30/2022
Date Data Arrived at EDR: 05/24/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 66

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/18/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Quarterly

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: 02/20/2020
Date Data Arrived at EDR: 12/10/2021
Date Made Active in Reports: 02/25/2022
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 09/06/2022
Next Scheduled EDR Contact: 12/19/2022
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: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

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

HIST UST: Hazardous Substance Storage Container Database

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 76

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

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

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

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

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
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: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/31/2022	Source: DTSC and SWRCB
Date Data Arrived at EDR: 05/31/2022	Telephone: 916-323-3400
Date Made Active in Reports: 08/18/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 09/19/2022	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 09/19/2022	Telephone: 202-366-4555
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 11	Next Scheduled EDR Contact: 01/02/2023
	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: 06/30/2022	Source: Office of Emergency Services
Date Data Arrived at EDR: 07/18/2022	Telephone: 916-845-8400
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 07/18/2022
Number of Days to Update: 74	Next Scheduled EDR Contact: 10/31/2022
	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: 05/23/2022	Source: State Water Quality Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 12/19/2022
	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: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 05/24/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 1	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 06/20/2022	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/21/2022	Telephone: (415) 495-8895
Date Made Active in Reports: 06/28/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 7	Next Scheduled EDR Contact: 01/02/2023
	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: 08/11/2022	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/11/2022	Telephone: 202-528-4285
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 08/11/2022
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/28/2022
	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	Source: USGS
Date Data Arrived at EDR: 07/13/2021	Telephone: 888-275-8747
Date Made Active in Reports: 03/09/2022	Last EDR Contact: 07/13/2022
Number of Days to Update: 239	Next Scheduled EDR Contact: 10/24/2022
	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	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/03/2022
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/16/2023
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/03/2022
Next Scheduled EDR Contact: 11/21/2022
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: 06/20/2022
Date Data Arrived at EDR: 06/21/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/20/2022
Next Scheduled EDR Contact: 01/02/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/04/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/12/2022
Next Scheduled EDR Contact: 12/26/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
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: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 07/29/2022
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 12/12/2022
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: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/14/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/26/2022	Source: EPA
Date Data Arrived at EDR: 08/02/2022	Telephone: 202-564-6023
Date Made Active in Reports: 08/31/2022	Last EDR Contact: 09/01/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 11/14/2022
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 01/20/2022	Source: EPA
Date Data Arrived at EDR: 01/20/2022	Telephone: 202-566-0500
Date Made Active in Reports: 03/25/2022	Last EDR Contact: 07/08/2022
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/17/2022
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	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: 09/27/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/16/2023
	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: 06/10/2022	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/14/2022	Telephone: 301-415-7169
Date Made Active in Reports: 08/22/2022	Last EDR Contact: 07/13/2022
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2020	Source: Department of Energy
Date Data Arrived at EDR: 11/30/2021	Telephone: 202-586-8719
Date Made Active in Reports: 02/22/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 12/12/2022
	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: 08/25/2022
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	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: 08/04/2022
Number of Days to Update: 96	Next Scheduled EDR Contact: 11/14/2022
	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: 09/21/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/10/2023
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
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: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/19/2022
Next Scheduled EDR Contact: 01/02/2023
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: 07/08/2022
Next Scheduled EDR Contact: 10/17/2022
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/24/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/26/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 09/01/2022
Next Scheduled EDR Contact: 10/10/2022
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 14

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/2022
Date Data Arrived at EDR: 08/02/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 59

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
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: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 08/22/2022
Number of Days to Update: 68

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/13/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 05/13/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 13

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
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: 06/25/2022
Date Data Arrived at EDR: 07/01/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 91

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2020	Source: Department of Defense
Date Data Arrived at EDR: 01/11/2022	Telephone: 703-704-1564
Date Made Active in Reports: 02/14/2022	Last EDR Contact: 07/07/2022
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/24/2022
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/21/2021	Telephone: 202-564-0527
Date Made Active in Reports: 08/11/2021	Last EDR Contact: 08/22/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 12/05/2022
	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: 08/11/2022	Source: EPA
Date Data Arrived at EDR: 08/11/2022	Telephone: 800-385-6164
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 08/11/2022
Number of Days to Update: 50	Next Scheduled EDR Contact: 11/28/2022
	Data Release Frequency: Quarterly

CA BOND EXP. PLAN: Bond Expenditure Plan

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

Date of Government Version: 01/01/1989	Source: Department of Health Services
Date Data Arrived at EDR: 07/27/1994	Telephone: 916-255-2118
Date Made Active in Reports: 08/02/1994	Last EDR Contact: 05/31/1994
Number of Days to Update: 6	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

Date of Government Version: 06/21/2022	Source: CAL EPA/Office of Emergency Information
Date Data Arrived at EDR: 06/21/2022	Telephone: 916-323-3400
Date Made Active in Reports: 09/08/2022	Last EDR Contact: 09/19/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/02/2023
	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: 12/07/2021	Source: Livermore-Pleasanton Fire Department
Date Data Arrived at EDR: 05/09/2022	Telephone: 925-454-2361
Date Made Active in Reports: 05/17/2022	Last EDR Contact: 08/11/2022
Number of Days to Update: 8	Next Scheduled EDR Contact: 11/21/2022
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 77

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Varies

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: 05/20/2022
Date Data Arrived at EDR: 05/20/2022
Date Made Active in Reports: 08/09/2022
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/16/2022
Next Scheduled EDR Contact: 12/05/2022
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: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/12/2022
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: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 09/16/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Varies

ENF: Enforcement Action Listing

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

Date of Government Version: 07/12/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 74

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/21/2022
Next Scheduled EDR Contact: 10/31/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
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: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 877-786-9427
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
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: 05/16/2022
Date Data Arrived at EDR: 05/17/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 08/11/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

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

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

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

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

Date of Government Version: 06/06/2022	Source: Department of Conservation
Date Data Arrived at EDR: 06/07/2022	Telephone: 916-322-1080
Date Made Active in Reports: 08/23/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/19/2022
	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: 05/06/2022	Source: Department of Public Health
Date Data Arrived at EDR: 05/31/2022	Telephone: 916-558-1784
Date Made Active in Reports: 08/18/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 05/09/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/09/2022	Telephone: 916-445-9379
Date Made Active in Reports: 07/29/2022	Last EDR Contact: 08/08/2022
Number of Days to Update: 81	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing

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

Date of Government Version: 05/31/2022	Source: Department of Pesticide Regulation
Date Data Arrived at EDR: 05/31/2022	Telephone: 916-445-4038
Date Made Active in Reports: 08/18/2022	Last EDR Contact: 08/25/2022
Number of Days to Update: 79	Next Scheduled EDR Contact: 12/12/2022
	Data Release Frequency: Quarterly

PROC: Certified Processors Database

A listing of certified processors.

Date of Government Version: 06/06/2022	Source: Department of Conservation
Date Data Arrived at EDR: 06/07/2022	Telephone: 916-323-3836
Date Made Active in Reports: 08/23/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/19/2022
	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: 06/10/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 06/10/2022	Telephone: 916-445-3846
Date Made Active in Reports: 08/26/2022	Last EDR Contact: 09/07/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/26/2022
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

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

Date of Government Version: 06/06/2022	Source: Department of Conservation
Date Data Arrived at EDR: 06/07/2022	Telephone: 916-445-2408
Date Made Active in Reports: 08/23/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 77	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 05/23/2022	Source: State Water Resource Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 10	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

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

Date of Government Version: 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: 07/08/2022
Number of Days to Update: 90	Next Scheduled EDR Contact: 10/17/2022
	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: 08/09/2022
Number of Days to Update: 9	Next Scheduled EDR Contact: 11/28/2022
	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: 09/13/2022
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 05/23/2022	Source: State Water Resources Control Board
Date Data Arrived at EDR: 05/23/2022	Telephone: 866-480-1028
Date Made Active in Reports: 06/02/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 10	Next Scheduled EDR Contact: 12/19/2022
	Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
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: 06/06/2022
Date Data Arrived at EDR: 06/07/2022
Date Made Active in Reports: 08/24/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

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

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/12/2022
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: 07/18/2022
Date Data Arrived at EDR: 07/18/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 74

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

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

Date of Government Version: 05/23/2022
Date Data Arrived at EDR: 05/23/2022
Date Made Active in Reports: 06/02/2022
Number of Days to Update: 10

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 08/31/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/17/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

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

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

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/28/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

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

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 10/03/2022
Next Scheduled EDR Contact: 01/16/2023
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

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

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/29/2022
Date Data Arrived at EDR: 06/29/2022
Date Made Active in Reports: 07/21/2022
Number of Days to Update: 22

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 06/14/2022
Date Data Arrived at EDR: 06/15/2022
Date Made Active in Reports: 09/02/2022
Number of Days to Update: 79

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/02/2023
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: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 07/20/2022
Date Data Arrived at EDR: 07/20/2022
Date Made Active in Reports: 10/03/2022
Number of Days to Update: 75

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

EL DORADO COUNTY:

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: 07/20/2022
Next Scheduled EDR Contact: 11/07/2022
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: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
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: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 05/06/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 81

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 11/14/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

LAKE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 02/10/2022
Date Data Arrived at EDR: 02/11/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 82

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/07/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 07/06/2022
Date Data Arrived at EDR: 07/07/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 09/27/2022
Next Scheduled EDR Contact: 01/16/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

Date of Government Version: 07/11/2022
Date Data Arrived at EDR: 07/11/2022
Date Made Active in Reports: 09/23/2022
Number of Days to Update: 74

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/25/2019	Telephone: 213-978-3800
Date Made Active in Reports: 08/22/2019	Last EDR Contact: 09/19/2022
Number of Days to Update: 58	Next Scheduled EDR Contact: 01/02/2023
	Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022	Source: Los Angeles County Department of Public Works
Date Data Arrived at EDR: 01/12/2022	Telephone: 626-458-6973
Date Made Active in Reports: 04/04/2022	Last EDR Contact: 07/06/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/24/2022
	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: 01/13/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 03/21/2022	Telephone: 213-978-3800
Date Made Active in Reports: 06/15/2022	Last EDR Contact: 09/20/2022
Number of Days to Update: 86	Next Scheduled EDR Contact: 01/02/2023
	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: 03/22/2022	Source: Los Angeles Fire Department
Date Data Arrived at EDR: 06/24/2022	Telephone: 213-978-3800
Date Made Active in Reports: 09/08/2022	Last EDR Contact: 09/20/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/02/2023
	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: 05/26/2021	Source: Community Health Services
Date Data Arrived at EDR: 07/09/2021	Telephone: 323-890-7806
Date Made Active in Reports: 09/29/2021	Last EDR Contact: 07/14/2022
Number of Days to Update: 82	Next Scheduled EDR Contact: 10/24/2022
	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: 07/06/2022
Number of Days to Update: 21	Next Scheduled EDR Contact: 10/24/2022
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/12/2022
Number of Days to Update: 65	Next Scheduled EDR Contact: 10/31/2022
	Data Release Frequency: Varies

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

Date of Government Version: 04/22/2022	Source: City of Torrance Fire Department
Date Data Arrived at EDR: 07/19/2022	Telephone: 310-618-2973
Date Made Active in Reports: 09/30/2022	Last EDR Contact: 07/13/2022
Number of Days to Update: 73	Next Scheduled EDR Contact: 10/31/2022
	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	Source: Madera County Environmental Health
Date Data Arrived at EDR: 08/12/2020	Telephone: 559-675-7823
Date Made Active in Reports: 10/23/2020	Last EDR Contact: 08/09/2022
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/28/2022
	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	Source: Public Works Department Waste Management
Date Data Arrived at EDR: 10/04/2018	Telephone: 415-473-6647
Date Made Active in Reports: 11/02/2018	Last EDR Contact: 09/21/2022
Number of Days to Update: 29	Next Scheduled EDR Contact: 01/10/2023
	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	Source: Department of Public Health
Date Data Arrived at EDR: 11/18/2021	Telephone: 707-463-4466
Date Made Active in Reports: 11/22/2021	Last EDR Contact: 08/16/2022
Number of Days to Update: 4	Next Scheduled EDR Contact: 12/05/2022
	Data Release Frequency: Annually

MERCED COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
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: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
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: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
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: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List CUPA facility list.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/21/2022
Date Data Arrived at EDR: 07/25/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 3

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/19/2022
Next Scheduled EDR Contact: 11/07/2022
Data Release Frequency: Varies

ORANGE COUNTY:

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

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

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/03/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 78

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/01/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

PLACER COUNTY:

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

Date of Government Version: 05/25/2022
Date Data Arrived at EDR: 05/26/2022
Date Made Active in Reports: 06/01/2022
Number of Days to Update: 6

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
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: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

RIVERSIDE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 07/07/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 09/21/2022
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
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: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/30/2022
Next Scheduled EDR Contact: 01/09/2023
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: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 09/26/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/29/2022
Date Data Arrived at EDR: 04/29/2022
Date Made Active in Reports: 05/05/2022
Number of Days to Update: 6

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/12/2022
Date Data Arrived at EDR: 05/12/2022
Date Made Active in Reports: 05/18/2022
Number of Days to Update: 6

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 05/31/2022
Date Data Arrived at EDR: 05/31/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 79

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 08/25/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
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: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
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: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing
Cupa facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversight Facilities

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

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

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 05/05/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/20/2022
Number of Days to Update: 75

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
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: 01/18/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 04/27/2022
Number of Days to Update: 97

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 07/05/2022
Next Scheduled EDR Contact: 10/31/2022
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: 09/07/2022
Next Scheduled EDR Contact: 12/26/2022
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SAN MATEO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/09/2022
Next Scheduled EDR Contact: 12/19/2022
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

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

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
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: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 05/16/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/04/2022
Number of Days to Update: 78

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 08/15/2022
Next Scheduled EDR Contact: 12/05/2022
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/09/2022
Next Scheduled EDR Contact: 11/28/2022
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: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
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: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List Cupa Facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
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: 09/13/2022
Next Scheduled EDR Contact: 01/02/2023
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: 07/11/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/03/2022
Date Data Arrived at EDR: 05/27/2022
Date Made Active in Reports: 08/11/2022
Number of Days to Update: 76

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 08/23/2022
Next Scheduled EDR Contact: 12/12/2022
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 01/13/2021
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 04/06/2021
Number of Days to Update: 82

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 07/26/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 07/13/2022
Date Data Arrived at EDR: 07/14/2022
Date Made Active in Reports: 09/29/2022
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/13/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

TULARE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 04/26/2021
Date Data Arrived at EDR: 04/28/2021
Date Made Active in Reports: 07/13/2021
Number of Days to Update: 76

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 11/14/2022
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/12/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 05/26/2022
Date Data Arrived at EDR: 07/21/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 71

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 09/21/2022
Next Scheduled EDR Contact: 01/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/02/2022
Next Scheduled EDR Contact: 11/21/2022
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 03/28/2022
Date Data Arrived at EDR: 04/28/2022
Date Made Active in Reports: 07/15/2022
Number of Days to Update: 78

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 07/18/2022
Next Scheduled EDR Contact: 10/31/2022
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 05/26/2022	Source: Environmental Health Division
Date Data Arrived at EDR: 06/07/2022	Telephone: 805-654-2813
Date Made Active in Reports: 08/24/2022	Last EDR Contact: 08/31/2022
Number of Days to Update: 78	Next Scheduled EDR Contact: 12/19/2022
	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: 06/22/2022	Source: Yolo County Department of Health
Date Data Arrived at EDR: 06/30/2022	Telephone: 530-666-8646
Date Made Active in Reports: 09/14/2022	Last EDR Contact: 09/21/2022
Number of Days to Update: 76	Next Scheduled EDR Contact: 01/10/2023
	Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 05/03/2022	Source: Yuba County Environmental Health Department
Date Data Arrived at EDR: 05/05/2022	Telephone: 530-749-7523
Date Made Active in Reports: 07/28/2022	Last EDR Contact: 08/02/2022
Number of Days to Update: 84	Next Scheduled EDR Contact: 11/07/2022
	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: 05/08/2022	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/09/2022	Telephone: 860-424-3375
Date Made Active in Reports: 07/28/2022	Last EDR Contact: 08/08/2022
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/21/2022
	Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018	Source: Department of Environmental Protection
Date Data Arrived at EDR: 04/10/2019	Telephone: N/A
Date Made Active in Reports: 05/16/2019	Last EDR Contact: 10/03/2022
Number of Days to Update: 36	Next Scheduled EDR Contact: 01/16/2023
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/29/2022
Next Scheduled EDR Contact: 11/07/2022
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: 07/06/2022
Next Scheduled EDR Contact: 10/24/2022
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
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: 08/10/2022
Next Scheduled EDR Contact: 11/28/2022
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 08/29/2022
Next Scheduled EDR Contact: 12/19/2022
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 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

HUMBOLDT PROPERTY
FOSTER AVENUE
ARCATA, CA 95521

TARGET PROPERTY COORDINATES

Latitude (North): 40.883786 - 40° 53' 1.63"
Longitude (West): 124.101191 - 124° 6' 4.29"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 407222.3
UTM Y (Meters): 4526228.0
Elevation: 27 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 12014172 ARCATA NORTH, CA
Version Date: 2018

South Map: 12014174 ARCATA SOUTH, CA
Version Date: 2018

Southwest Map: 12014188 EUREKA, CA
Version Date: 2018

Northwest Map: 12014212 TYEE CITY, CA
Version Date: 2018

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).

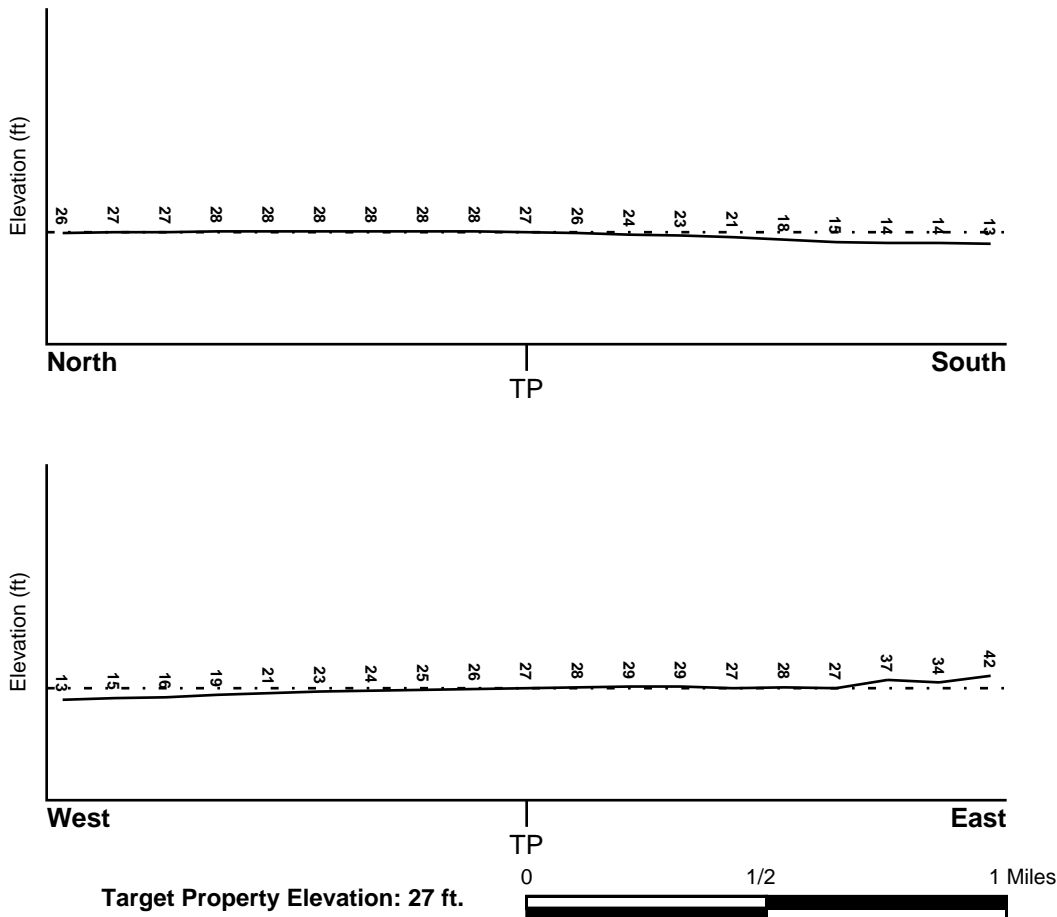
TOPOGRAPHIC INFORMATION

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 SW

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>
0600600615C	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
0600610002D	FEMA Q3 Flood data
0600600780B	FEMA Q3 Flood data
0600610004D	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ARCATA NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

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

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: FERNDALE

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	21 inches	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: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
2	21 inches	61 inches	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: 2.00 Min: 0.60	Max: 8.40 Min: 7.40
3	61 inches	80 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: 20.00 Min: 6.00	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam
very gravelly - sand
loam
sand
sandy loam

Surficial Soil Types: silty clay loam
very gravelly - sand
loam
sand
sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sandy clay loam
stratified
silty clay loam
sand
silt loam
coarse sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C11	USGS40000194710	1/4 - 1/2 Mile West
16	USGS40000194707	1/4 - 1/2 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

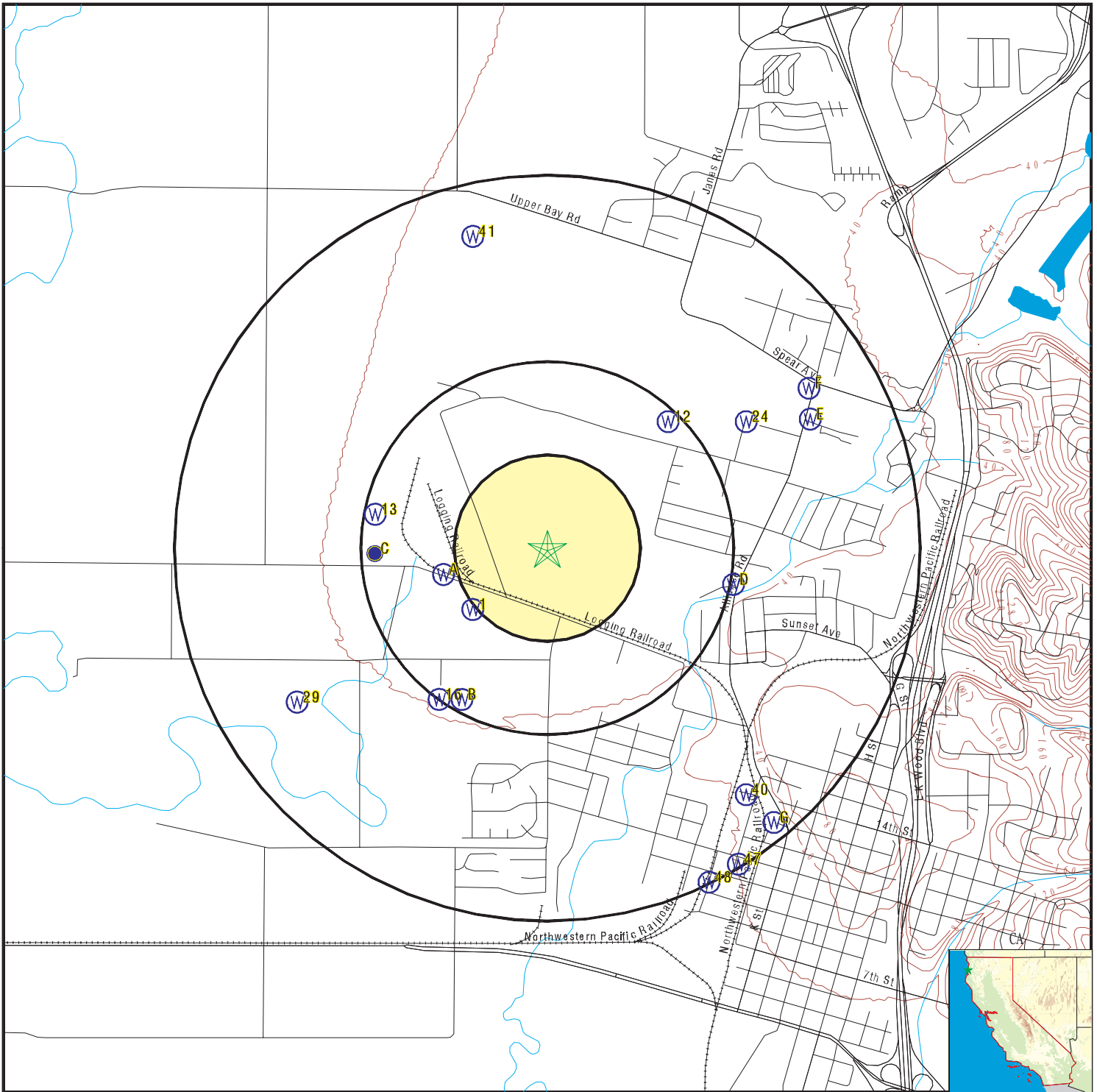
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADWR0000022766	1/4 - 1/2 Mile SW
A2	CAEDF0000043002	1/4 - 1/2 Mile West
A3	CAEDF0000049124	1/4 - 1/2 Mile WSW
A4	CAEDF0000073803	1/4 - 1/2 Mile WSW
A5	CAEDF0000082405	1/4 - 1/2 Mile WSW
A6	CAEDF0000040320	1/4 - 1/2 Mile WSW
B7	CADDW0000014321	1/4 - 1/2 Mile SSW
B8	CADWR0000008133	1/4 - 1/2 Mile SSW
C9	CAUSGSN00008585	1/4 - 1/2 Mile West
C10	CADWR9000043437	1/4 - 1/2 Mile West
12	CADWR0000026395	1/4 - 1/2 Mile NE
13	CADWR0000010881	1/4 - 1/2 Mile West
B14	6488	1/4 - 1/2 Mile SW
D15	CAEDF0000075466	1/4 - 1/2 Mile ESE
D17	CAEDF0000094098	1/2 - 1 Mile East
D18	CAEDF0000041618	1/2 - 1 Mile East
D19	CAEDF0000033138	1/2 - 1 Mile ESE
D20	CAEDF0000047349	1/2 - 1 Mile East
D21	CAEDF0000110455	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D22	CAEDF0000098492	1/2 - 1 Mile ESE
D23	CAEDF0000135202	1/2 - 1 Mile East
24	CADWR0000037969	1/2 - 1 Mile ENE
E25	CAEDF0000106996	1/2 - 1 Mile ENE
E26	CAEDF0000091549	1/2 - 1 Mile ENE
E27	CAEDF0000120838	1/2 - 1 Mile ENE
E28	CAEDF0000034657	1/2 - 1 Mile ENE
29	CADWR0000008132	1/2 - 1 Mile WSW
E30	CAEDF0000097718	1/2 - 1 Mile ENE
E31	CAEDF0000091710	1/2 - 1 Mile ENE
E32	CAEDF0000053232	1/2 - 1 Mile ENE
F33	CAEDF0000136327	1/2 - 1 Mile ENE
F34	CAEDF0000080376	1/2 - 1 Mile ENE
F35	CAEDF0000106062	1/2 - 1 Mile ENE
F36	CAEDF0000122154	1/2 - 1 Mile ENE
F37	CAEDF0000099057	1/2 - 1 Mile ENE
F38	CAEDF0000141758	1/2 - 1 Mile ENE
F39	CAEDF0000095575	1/2 - 1 Mile ENE
40	CADWR0000001254	1/2 - 1 Mile SE
41	CADWR0000009561	1/2 - 1 Mile NNW
G42	CAEDF0000070635	1/2 - 1 Mile SE
G43	CAEDF0000091341	1/2 - 1 Mile SE
G44	CAEDF0000129974	1/2 - 1 Mile SE
G45	CAEDF0000048380	1/2 - 1 Mile SE
G46	CAEDF0000085150	1/2 - 1 Mile SE
47	CAEDF0000136610	1/2 - 1 Mile SSE
48	CAEDF0000101456	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 7136660.2s



- 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

SITE NAME: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata CA 95521
 LAT/LONG: 40.883786 / 124.101191

CLIENT: Ninyo & Moore
 CONTACT: Luke Swickard
 INQUIRY #: 7136660.2s
 DATE: October 04, 2022 8:57 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SW
1/4 - 1/2 Mile
Lower

CA WELLS CADWR0000022766

Well ID: 06N01E30B001H Well Type: UNK
 Source: Department of Water Resources
 Other Name: 06N01E30B001H 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=06N01E30B001H&store_num=
 GeoTracker Data: Not Reported

A2
West
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000043002

Well ID: T0602393409-MW-8 Well Type: MONITORING
 Source: EDF Other Name: MW-8
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602393409&assigned_name=MW-8&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602393409&assigned_name=MW-8

A3
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000049124

Well ID: T0602393409-MW-4 Well Type: MONITORING
 Source: EDF Other Name: MW-4
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602393409&assigned_name=MW-4&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602393409&assigned_name=MW-4

A4
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000073803

Well ID: T0602393409-MW-7 Well Type: MONITORING
 Source: EDF Other Name: MW-7
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602393409&assigned_name=MW-7&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602393409&assigned_name=MW-7

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A5
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000082405

Well ID:	T0602393409-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602393409&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602393409&assigned_name=MW-3		

A6
WSW
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000040320

Well ID:	T0602393409-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602393409&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602393409&assigned_name=MW-2		

B7
SSW
1/4 - 1/2 Mile
Lower

CA WELLS CADDW0000014321

Well ID:	1200692-001	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 01	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=1200692-001&store_num=		
GeoTracker Data:	Not Reported		

B8
SSW
1/4 - 1/2 Mile
Lower

CA WELLS CADWR0000008133

Well ID:	06N01E30G001H	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06N01E30G001H	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=06N01E30G001H&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

C9
West
1/4 - 1/2 Mile
Lower

CA WELLS CAUSGSN00008585

Well ID:	USGS-405302124063201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-405302124063201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-405302124063201&store_num=		
GeoTracker Data:	Not Reported		

C10
West
1/4 - 1/2 Mile
Lower

CA WELLS CADWR9000043437

State Well #:	06N01E19Q001H	Station ID:	23297
Well Name:	06N01E19Q001H	Basin Name:	Mad River Lowland
Well Use:	Residential	Well Type:	Single Well
Well Depth:	108	Well Completion Rpt #:	Not Reported

C11
West
1/4 - 1/2 Mile
Lower

FED USGS USGS40000194710

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N001E19Q001H	Type:	Well
Description:	Not Reported	HUC:	18010102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	19500101	Well Depth:	108
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	38	Level reading date:	1983-03-30
Feet below surface:	5.9	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1982-10-19	Feet below surface:	14.2
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1982-03-31	Feet below surface:	7.1
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-10-15	Feet below surface:	14.8
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1981-03-25	Feet below surface:	10.0
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1980-09-24	Feet below surface:	15.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1980-04-10	Feet below surface:	10.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-11-06	Feet below surface:	18.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1979-04-10	Feet below surface:	11.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-11-09	Feet below surface:	14.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1978-04-05	Feet below surface:	9.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-11-02	Feet below surface:	15.1
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1977-09-19	Feet below surface:	0.00
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1977-07-27	Feet below surface:	0.00
Feet to sea level:	Not Reported	Note:	The site was being pumped.
Level reading date:	1977-04-06	Feet below surface:	13.2
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-10-26	Feet below surface:	14.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1976-04-07	Feet below surface:	10.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-10-14	Feet below surface:	14.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1975-04-29	Feet below surface:	10.5
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-10-14	Feet below surface:	12.0
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1958-04-15	Feet below surface:	5.7
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-10-24	Feet below surface:	13.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1957-04-17	Feet below surface:	9.6
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-10-18	Feet below surface:	17.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-08-21	Feet below surface:	16.9
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1956-04-25	Feet below surface:	9.9
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1955-08-26	Feet below surface:	12.8
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1955-05-27	Feet below surface:	8.4
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-08-20	Feet below surface:	14.36
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1954-05-18	Feet below surface:	9.02
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-08-28	Feet below surface:	10.03
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1953-04-27	Feet below surface:	7.90
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-11-11	Feet below surface:	11.61
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-29	Feet below surface:	12.32
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-09-06	Feet below surface:	11.56
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-08-05	Feet below surface:	10.40
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1952-05-10	Feet below surface:	8.89
Feet to sea level:	Not Reported	Note:	Not Reported
Level reading date:	1951-06-07	Feet below surface:	9.33
Feet to sea level:	Not Reported	Note:	Not Reported

**12
NE
1/4 - 1/2 Mile
Higher**

CA WELLS CADWR0000026395

Well ID:	06N01E20M001H	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06N01E20M001H	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=06N01E20M001H&store_num=		
GeoTracker Data:	Not Reported		

**13
West
1/4 - 1/2 Mile
Lower**

CA WELLS CADWR0000010881

Well ID:	06N01E19Q001H	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06N01E19Q001H	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=06N01E19Q001H&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B14
SW
1/4 - 1/2 Mile
Lower

CA WELLS 6488

Seq:	6488	Prim sta c:	06N/01E-30G02 H
Frds no:	1200692001	County:	12
District:	01	User id:	ATT
System no:	1200692	Water type:	G
Source nam:	WELL 01	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	405241.0	Longitude:	1240619.0
Precision:	3	Status:	AR
Comment 1:	JANES RD, ARCATA TO BAYSCHOOL RD. W ON BAYSCHOOL 1/4 MI TO MARILANN		
Comment 2:	CT, A GRAVEL DRIVE GOING S OFF BAYSCHOOL RD. THE DRIVE IS CHARACTERIZ		
Comment 3:	ED BY THE 4 DUPLEXES IN A ROW ON WEST SIDE OF MARILANN CT. DRIVE TO T		
Comment 4:	HE END OF MARILANN CT TO FENCED IN WELL AREA. GATE IS LOCKED. CONTAC		
Comment 5:	T DAVE HARDY AT STANDARD MANAGEMENT 443-4837		
Comment 6:	Not Reported	Comment 7:	Not Reported
System no:	1200692	System nam:	Marilann Court Ws
Hqname:	Not Reported	Address:	710 E ST 150
City:	EUREKA	State:	C9
Zip:	5501	Zip ext:	Not Reported
Pop serv:	24	Connection:	8
Area serve:	Not Reported		

D15
ESE
1/4 - 1/2 Mile
Lower

CA WELLS CAEDF0000075466

Well ID:	T0602300259-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-6		

16
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS40000194707

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	006N001E30G002H	Type:	Well
Description:	Not Reported	HUC:	18010102
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	California Coastal Basin aquifers		
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		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D17
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000094098

Well ID:	T0602300259-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-5		

D18
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000041618

Well ID:	T0602300259-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-4		

D19
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000033138

Well ID:	T0602300259-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-7		

D20
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000047349

Well ID:	T0602300259-MW-3	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-3		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D21
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000110455

Well ID:	T0602300259-RW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	RW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=RW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=RW-1		

D22
ESE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000098492

Well ID:	T0602300259-MW-2	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-2		

D23
East
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000135202

Well ID:	T0602300259-MW-1	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300259&assigned_name=MW-1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300259&assigned_name=MW-1		

24
ENE
1/2 - 1 Mile
Higher

CA WELLS CADWR0000037969

Well ID:	06N01E20L001H	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06N01E20L001H	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=06N01E20L001H&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E25
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000106996

Well ID:	T0602392503-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-4		

E26
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000091549

Well ID:	T0602392503-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-7		

E27
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000120838

Well ID:	T0602392503-MW-6	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-6		

E28
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000034657

Well ID:	T0602392503-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-5		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

29
WSW
1/2 - 1 Mile
Lower

CA WELLS CADWR000008132

Well ID: 06N01E30E001H Well Type: UNK
 Source: Department of Water Resources
 Other Name: 06N01E30E001H 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=06N01E30E001H&store_num=
 GeoTracker Data: Not Reported

E30
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000097718

Well ID: T0602392503-MW-3 Well Type: MONITORING
 Source: EDF Other Name: MW-3
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-3&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-3

E31
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000091710

Well ID: T0602392503-MW-2 Well Type: MONITORING
 Source: EDF Other Name: MW-2
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-2&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-2

E32
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000053232

Well ID: T0602392503-MW-1 Well Type: MONITORING
 Source: EDF Other Name: MW-1
 GAMA PFAS Testing: Not Reported
 Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602392503&assigned_name=MW-1&store_num=
 GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602392503&assigned_name=MW-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F33
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000136327

Well ID:	T0602300129-3208-MW3	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW3
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW3&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW3		

F34
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000080376

Well ID:	T0602300129-3208-MW1	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW1
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW1&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW1		

F35
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000106062

Well ID:	T0602300129-3208-MW7	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW7		

F36
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000122154

Well ID:	T0602300129-3208-MW4	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW4		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

F37
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000099057

Well ID:	T0602300129-3208-MW2	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW2
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW2&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW2		

F38
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000141758

Well ID:	T0602300129-3208-MW5	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW5		

F39
ENE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000095575

Well ID:	T0602300129-3208-MW6	Well Type:	MONITORING
Source:	EDF	Other Name:	3208-MW6
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300129&assigned_name=3208-MW6&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300129&assigned_name=3208-MW6		

40
SE
1/2 - 1 Mile
Lower

CA WELLS CADWR0000001254

Well ID:	06N01E29L001H	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	06N01E29L001H	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=06N01E29L001H&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

41
NNW
1/2 - 1 Mile
Lower

CA WELLS CADWR0000009561

Well ID: 06N01E19B001H Well Type: UNK
Source: Department of Water Resources
Other Name: 06N01E19B001H 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=06N01E19B001H&store_num=
GeoTracker Data: Not Reported

G42
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000070635

Well ID: T0602300356-MW-3 Well Type: MONITORING
Source: EDF Other Name: MW-3
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300356&assigned_name=MW-3&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300356&assigned_name=MW-3

G43
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000091341

Well ID: T0602300356-MW-2 Well Type: MONITORING
Source: EDF Other Name: MW-2
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300356&assigned_name=MW-2&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300356&assigned_name=MW-2

G44
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000129974

Well ID: T0602300356-MW-1 Well Type: MONITORING
Source: EDF Other Name: MW-1
GAMA PFAS Testing: Not Reported
Groundwater Quality Data: https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300356&assigned_name=MW-1&store_num=
GeoTracker Data: https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300356&assigned_name=MW-1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

G45
SE
1/2 - 1 Mile
Higher

CA WELLS CAEDF0000048380

Well ID:	T0602300356-MW-5	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-5
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300356&assigned_name=MW-5&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300356&assigned_name=MW-5		

G46
SE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000085150

Well ID:	T0602300356-MW-4	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-4
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300356&assigned_name=MW-4&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300356&assigned_name=MW-4		

47
SSE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000136610

Well ID:	T0602300016-MW-7	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-7
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T0602300016&assigned_name=MW-7&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T0602300016&assigned_name=MW-7		

48
SSE
1/2 - 1 Mile
Lower

CA WELLS CAEDF0000101456

Well ID:	T10000002709-MW-15	Well Type:	MONITORING
Source:	EDF	Other Name:	MW-15
GAMA PFAS Testing:	Not Reported		
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=EDF&samp_date=&global_id=T10000002709&assigned_name=MW-15&store_num=		
GeoTracker Data:	https://geotracker.waterboards.ca.gov/profile_report.asp?cmd=MWEDFResults&global_id=T10000002709&assigned_name=MW-15		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95521	16	0

Federal EPA Radon Zone for HUMBOLDT County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95521

Number of sites tested: 8

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.288 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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Humboldt Property

Foster Avenue

Arcata, CA 95521

Inquiry Number: 7136660.2s

October 04, 2022

EDR Summary Radius Map Report



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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

FOSTER AVENUE
ARCATA, CA 95521

COORDINATES

Latitude (North): 40.8837860 - 40° 53' 1.62"
Longitude (West): 124.1011910 - 124° 6' 4.28"
Universal Tranverse Mercator: Zone 10
UTM X (Meters): 407222.3
UTM Y (Meters): 4526228.0
Elevation: 27 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: TP
Source: U.S. Geological Survey

Target Property: S
Source: U.S. Geological Survey

Target Property: SW
Source: U.S. Geological Survey

Target Property: NW
Source: U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140607
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
 FOSTER AVENUE
 ARCATA, CA 95521

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	SUN VALLEY BULB FARM	1780 TWENTYSEVENTH	CPS-SLIC	Higher	753, 0.143, NE
2	SIMPSON REDWOOD CO.	FOSTER AVENUE	ENVIROSTOR, VCP	Lower	965, 0.183, West
3	YOUNG, VERNON	2590 WYATT LN	CUPA Listings	Higher	1031, 0.195, ENE
4	COOK, ESSE & LINDA	2809 BAY SCHOOL ROAD	CPS-SLIC, ENF, CERS	Lower	1336, 0.253, SW
5	EEL RIVER SAWMILL, S	2000 FOSTER	LUST, CPS-SLIC, Cortese, HIST CORTESE	Lower	1557, 0.295, SE
A6	SUN VALLEY BULB FARM	1780 27TH STREET	Notify 65	Higher	1735, 0.329, NE
A7	SUN VALLEY BULB FARM	1780 27TH STREET	Notify 65	Higher	1735, 0.329, NE
A8	SUN VALLEY BULB FARM	1780 27TH STREET	Notify 65	Higher	1735, 0.329, NE
9	SIMPSON TIMBER COMPA	3315 FOSTER AVENUE	CPS-SLIC	Lower	1821, 0.345, West
10	ARCATA 76	2205 ALLIANCE ROAD	LUST, Cortese, EMI, HIST CORTESE, CERS	Lower	2241, 0.424, East
11	WESTWOOD LAUNDROMAT	2505 ALLIANCE ROAD	LUST, Cortese, HIST CORTESE	Higher	2406, 0.456, East
12	ARCATA OPEN DOOR COM	1150 FOSTER AVENUE	ENVIROSTOR, NPDES, CIWQS, CERS	Higher	4087, 0.774, ESE
13	SUN VALLEY FLORAL FA	3160 UPPER BAY ROAD	Notify 65, HWTS	Lower	4140, 0.784, NNW
14	ARVATA COMMUNITY REC	1380 NINTH STREET	LUST, CPS-SLIC, HIST UST, Cortese, Notify 65	Lower	4489, 0.850, SSE
15	BEAVER LUMBER COMPAN	1220 5TH STREET	ENVIROSTOR, CUPA Listings, HIST CORTESE	Lower	5264, 0.997, SSE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

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 hazardous waste facilities

ENVIROSTOR: A review of the ENVIROSTOR list, as provided by EDR, and dated 04/25/2022 has revealed that there are 3 ENVIROSTOR sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>ARCATA OPEN DOOR COM</i> Facility Id: 60002941 Status: No Action Required	<i>1150 FOSTER AVENUE</i>	<i>ESE 1/2 - 1 (0.774 mi.)</i>	<i>12</i>	<i>12</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>SIMPSON REDWOOD CO.</i> Facility Id: 12240118 Status: Certified / Operation & Maintenance	<i>FOSTER AVENUE</i>	<i>W 1/8 - 1/4 (0.183 mi.)</i>	<i>2</i>	<i>9</i>
<i>BEAVER LUMBER COMPAN</i> Facility Id: 12240117 Status: Refer: RWQCB	<i>1220 5TH STREET</i>	<i>SSE 1/2 - 1 (0.997 mi.)</i>	<i>15</i>	<i>12</i>

Lists of state and tribal leaking storage tanks

LUST: A review of the LUST list, as provided by EDR, has revealed that there are 3 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>WESTWOOD LAUNDROMAT</i> Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 05/23/2022	<i>2505 ALLIANCE ROAD</i>	<i>E 1/4 - 1/2 (0.456 mi.)</i>	<i>11</i>	<i>11</i>

EXECUTIVE SUMMARY

Status: Completed - Case Closed
 Facility Id: 1THU431
 Global Id: T0602300326

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EEL RIVER SAWMILL, S Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Facility Id: 1THU518 Global Id: T0602300394	2000 FOSTER	SE 1/4 - 1/2 (0.295 mi.)	5	10
ARCATA 76 Database: LUST REG 1, Date of Government Version: 02/01/2001 Database: LUST, Date of Government Version: 05/23/2022 Status: Completed - Case Closed Facility Id: 1THU339 Global Id: T0602300259	2205 ALLIANCE ROAD	E 1/4 - 1/2 (0.424 mi.)	10	11

CPS-SLIC: A review of the CPS-SLIC list, as provided by EDR, has revealed that there are 4 CPS-SLIC sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN VALLEY BULB FARM Database: SLIC REG 1, Date of Government Version: 04/03/2003 Facility Id: 1NHU091	1780 TWENTYSEVENTH	NE 1/8 - 1/4 (0.143 mi.)	1	9
Lower Elevation	Address	Direction / Distance	Map ID	Page
COOK, ESSE & LINDA Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0602393236 Facility Status: Open - Inactive Facility Id: 1NHU319	2809 BAY SCHOOL ROAD	SW 1/4 - 1/2 (0.253 mi.)	4	9
EEL RIVER SAWMILL, S Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0602391361 Facility Status: Completed - Case Closed Facility Id: 1NHU518	2000 FOSTER	SE 1/4 - 1/2 (0.295 mi.)	5	10
SIMPSON TIMBER COMPA Database: SLIC REG 1, Date of Government Version: 04/03/2003 Database: CPS-SLIC, Date of Government Version: 05/23/2022 Global Id: T0602393409 Facility Status: Open - Verification Monitoring Facility Id: 1NHU661	3315 FOSTER AVENUE	W 1/4 - 1/2 (0.345 mi.)	9	11

EXECUTIVE SUMMARY

Lists of state and tribal voluntary cleanup sites

VCP: A review of the VCP list, as provided by EDR, and dated 04/25/2022 has revealed that there is 1 VCP 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>
SIMPSON REDWOOD CO. Status: Certified / Operation & Maintenance Facility Id: 12240118	FOSTER AVENUE	W 1/8 - 1/4 (0.183 mi.)	2	9

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

Cortese: A review of the Cortese list, as provided by EDR, and dated 06/21/2022 has revealed that there are 3 Cortese sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTWOOD LAUNDROMAT Cleanup Status: COMPLETED - CASE CLOSED	2505 ALLIANCE ROAD	E 1/4 - 1/2 (0.456 mi.)	11	11
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EEL RIVER SAWMILL, S Cleanup Status: COMPLETED - CASE CLOSED	2000 FOSTER	SE 1/4 - 1/2 (0.295 mi.)	5	10
ARCATA 76 Cleanup Status: COMPLETED - CASE CLOSED	2205 ALLIANCE ROAD	E 1/4 - 1/2 (0.424 mi.)	10	11

CUPA Listings: A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
YOUNG, VERNON Database: CUPA HUMBOLDT, Date of Government Version: 08/12/2021 Permit Status: 02 - Inactive Local Site Id: FA0004703	2590 WYATT LN	ENE 1/8 - 1/4 (0.195 mi.)	3	9

HIST CORTESE: A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WESTWOOD LAUNDROMAT	2505 ALLIANCE ROAD	E 1/4 - 1/2 (0.456 mi.)	11	11

EXECUTIVE SUMMARY

Reg Id: 1THU431

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EEL RIVER SAWMILL, S Reg Id: 1THU518	2000 FOSTER	SE 1/4 - 1/2 (0.295 mi.)	5	10
ARCATA 76 Reg Id: 1THU339	2205 ALLIANCE ROAD	E 1/4 - 1/2 (0.424 mi.)	10	11

Notify 65: A review of the Notify 65 list, as provided by EDR, and dated 06/10/2022 has revealed that there are 5 Notify 65 sites within approximately 1 mile of the target property.

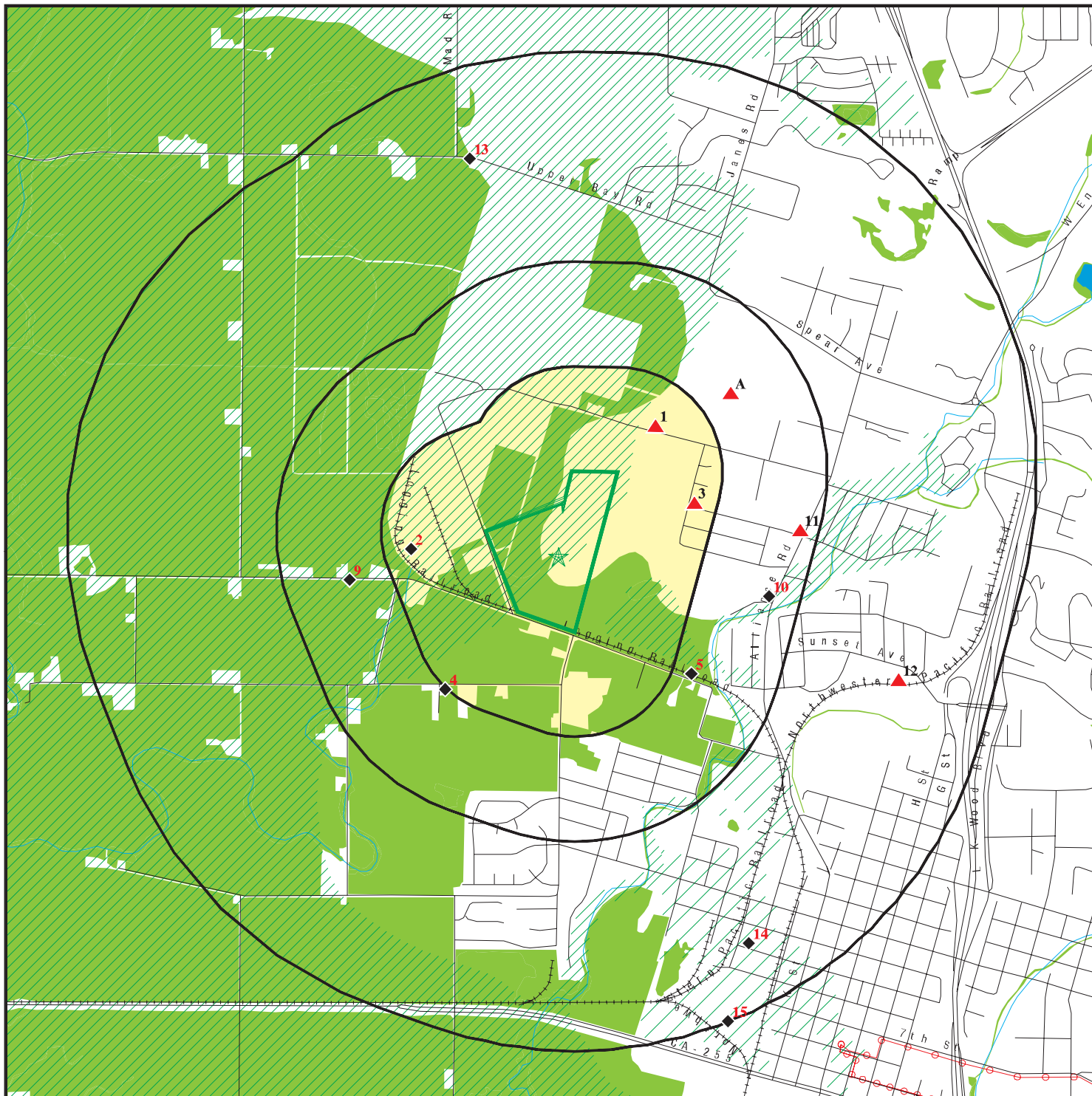
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN VALLEY BULB FARM	1780 27TH STREET	NE 1/4 - 1/2 (0.329 mi.)	A6	10
SUN VALLEY BULB FARM	1780 27TH STREET	NE 1/4 - 1/2 (0.329 mi.)	A7	10
SUN VALLEY BULB FARM	1780 27TH STREET	NE 1/4 - 1/2 (0.329 mi.)	A8	10
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SUN VALLEY FLORAL FA	3160 UPPER BAY ROAD	NNW 1/2 - 1 (0.784 mi.)	13	12
ARVATA COMMUNITY REC	1380 NINTH STREET	SSE 1/2 - 1 (0.850 mi.)	14	12

Count: 1 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ARCATA	S104857214	S&H AUTO WRECKERS	ALLIANCE ROAD 3028		LUST

OVERVIEW MAP - 7136660.2S



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

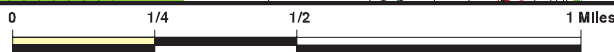
Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern



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: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata CA 95521
 LAT/LONG: 40.883786 / 124.101191

CLIENT: Ninyo & Moore
 CONTACT: Luke Swickard
 INQUIRY #: 7136660.2s
 DATE: October 04, 2022 8:57 am

DETAIL MAP - 7136660.2S



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

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

Areas of Concern

0 1/16 1/8 1/4 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: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata CA 95521
 LAT/LONG: 40.883786 / 124.101191

CLIENT: Ninyo & Moore
 CONTACT: Luke Swickard
 INQUIRY #: 7136660.2s
 DATE: October 04, 2022 8:57 am

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	TP		NR	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	1	0	2	NR	3
<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	3	NR	NR	3
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	1	3	NR	NR	4
<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	1	0	NR	NR	1
<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	TP		NR	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	0	NR	0
SCH	0.250		0	0	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		0	0	NR	NR	NR	0
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
PFAS	0.500		0	0	0	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
CA FID UST	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
CERS TANKS	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
CHMIRS	TP		NR	NR	NR	NR	NR	0
LDS	TP		NR	NR	NR	NR	NR	0
MCS	TP		NR	NR	NR	NR	NR	0
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0	NR	0
Cortese	0.500		0	0	3	NR	NR	3
CUPA Listings	0.250		0	1	NR	NR	NR	1
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	TP		NR	NR	NR	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
HAZNET	TP		NR	NR	NR	NR	NR	0
ICE	TP		NR	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	3	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
PEST LIC	TP		NR	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	3	2	NR	5
UIC	TP		NR	NR	NR	NR	NR	0
UIC GEO	TP		NR	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	TP		NR	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	TP		NR	NR	NR	NR	NR	0
PROJECT	TP		NR	NR	NR	NR	NR	0
WDR	TP		NR	NR	NR	NR	NR	0
CIWQS	TP		NR	NR	NR	NR	NR	0
CERS	TP		NR	NR	NR	NR	NR	0
NON-CASE INFO	TP		NR	NR	NR	NR	NR	0
OTHER OIL GAS	TP		NR	NR	NR	NR	NR	0
PROD WATER PONDS	TP		NR	NR	NR	NR	NR	0
SAMPLING POINT	TP		NR	NR	NR	NR	NR	0
WELL STIM PROJ	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0
HWTS	TP		NR	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0

- Totals -- 0 0 4 15 4 0 23

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
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NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
1 NE 1/8-1/4 0.143 mi. 753 ft.	SUN VALLEY BULB FARMS 1780 TWENTYSEVENTH ARCATA, CA 95521 Click here for full text details	CPS-SLIC	S105050870 N/A
Relative: Higher	CPS-SLIC Facility Id 1NHU091		
2 West 1/8-1/4 0.183 mi. 965 ft.	SIMPSON REDWOOD CO. FOSTER AVENUE ARCATA, CA 95518 Click here for full text details	ENVIROSTOR VCP	S102564437 N/A
Relative: Lower	ENVIROSTOR Facility Id 12240118 Status Certified / Operation & Maintenance VCP Facility Id 12240118 Status Certified / Operation & Maintenance		
3 ENE 1/8-1/4 0.195 mi. 1031 ft.	YOUNG, VERNON 2590 WYATT LN ARCATA, CA 95521 Click here for full text details	CUPA Listings	S126009531 N/A
Relative: Higher	CUPA Listings Permit Status 02 - Inactive Local Site Id FA0004703		
4 SW 1/4-1/2 0.253 mi. 1336 ft.	COOK, ESSE & LINDA 2809 BAY SCHOOL ROAD ARCATA, CA 95521 Click here for full text details	CPS-SLIC ENF CERS	S105051183 N/A
Relative: Lower	CPS-SLIC Global Id T0602393236 Facility Status Open - Inactive Facility Id 1NHU319 Click here to access the California GeoTracker records for this facility		
	ENF Facility Id 215627 Status Historical		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
5 SE 1/4-1/2 0.295 mi. 1557 ft.	EEL RIVER SAWMILL, SPECIA 2000 FOSTER ARCATA, CA 95521 Click here for full text details Relative: Lower	LUST CPS-SLIC Cortese HIST CORTESE	S102429138 N/A
	LUST Global Id T0602300394 Status Completed - Case Closed Facility Id 1THU518 CPS-SLIC Global Id T0602391361 Facility Status Completed - Case Closed Facility Id 1NHU518 Click here to access the California GeoTracker records for this facility Cortese Cleanup Status COMPLETED - CASE CLOSED HIST CORTESE Reg Id 1THU518		
A6 NE 1/4-1/2 0.329 mi. 1735 ft.	SUN VALLEY BULB FARMS INC 1780 27TH STREET ARCATA, CA 93923 Click here for full text details Relative: Higher	Notify 65	S100178248 N/A
A7 NE 1/4-1/2 0.329 mi. 1735 ft.	SUN VALLEY BULB FARMS 1780 27TH STREET ARCATA, CA 93923 Click here for full text details Relative: Higher	Notify 65	S100178356 N/A
A8 NE 1/4-1/2 0.329 mi. 1735 ft.	SUN VALLEY BULB FARMS 1780 27TH STREET ARCATA, CA 93923 Click here for full text details Relative: Higher	Notify 65	S100178419 N/A

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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9 West 1/4-1/2 0.345 mi. 1821 ft. Relative: Lower	SIMPSON TIMBER COMPANY, ARCATA 3315 FOSTER AVENUE ARCATA, CA 95521 Click here for full text details CPS-SLIC Global Id T0602393409 Facility Status Open - Verification Monitoring Facility Id 1NHU661 Click here to access the California GeoTracker records for this facility	CPS-SLIC	S105050961 N/A
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10 East 1/4-1/2 0.424 mi. 2241 ft. Relative: Lower	ARCATA 76 2205 ALLIANCE ROAD ARCATA, CA 95521 Click here for full text details LUST Global Id T0602300259 Status Completed - Case Closed Facility Id 1THU339 Cortese Cleanup Status COMPLETED - CASE CLOSED EMI Facility Id 654 HIST CORTESE Reg Id 1THU339	LUST Cortese EMI HIST CORTESE CERS	S101307182 N/A
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11 East 1/4-1/2 0.456 mi. 2406 ft. Relative: Higher	WESTWOOD LAUNDROMAT 2505 ALLIANCE ROAD ARCATA, CA 95521 Click here for full text details LUST Global Id T0602300326 Status Completed - Case Closed Facility Id 1THU431 Cortese Cleanup Status COMPLETED - CASE CLOSED HIST CORTESE Reg Id 1THU431	LUST Cortese HIST CORTESE	S101294714 N/A
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MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
12 ESE 1/2-1 0.774 mi. 4087 ft.	ARCATA OPEN DOOR COMMUNITY HEALTH CENTER 1150 FOSTER AVENUE ARCATA, CA 95521 Click here for full text details	ENVIROSTOR NPDES CIWQS CERS	S126143194 N/A
Relative: Higher	ENVIROSTOR Facility Id 60002941 Status No Action Required NPDES Facility Status Active		
13 NNW 1/2-1 0.784 mi. 4140 ft.	SUN VALLEY FLORAL FARMS 3160 UPPER BAY ROAD ARCATA, CA 95521 Click here for full text details	Notify 65 HWTS	S100562407 N/A
Relative: Lower			
14 SSE 1/2-1 0.850 mi. 4489 ft.	ARVATA COMMUNITY RECYCLING CEN 1380 NINTH STREET ARCATA, CA 95521 Click here for full text details	LUST CPS-SLIC HIST UST Cortese Notify 65	U000069517 N/A
Relative: Lower	LUST Global Id T0602300054 Status Completed - Case Closed CPS-SLIC Global Id T10000002709 Facility Status Open - Assessment & Interim Remedial Action Click here to access the California GeoTracker records for this facility Cortese Cleanup Status COMPLETED - CASE CLOSED		
15 SSE 1/2-1 0.997 mi. 5264 ft.	BEAVER LUMBER COMPANY OF ARCATA 1220 5TH STREET ARCATA, CA 95521 Click here for full text details	ENVIROSTOR CUPA Listings HIST CORTESE	S102808640 N/A
Relative: Lower	ENVIROSTOR Facility Id 12240117 Status Refer: RWQCB CUPA Listings		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BEAVER LUMBER COMPANY OF ARCATA (Continued)

S102808640

Permit Status 01 - Active
Local Site Id FA0003676

HIST CORTESE

Reg Id 1B870070NSL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	02/20/2020	12/10/2021	02/25/2022
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
CA	BROWNFIELDS	Considered Brownfields Sites Listing	State Water Resources Control Board	06/21/2022	06/21/2022	09/08/2022
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2019	01/20/2021	04/08/2021
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	07/18/2022	07/18/2022	09/30/2022
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	07/18/2022	07/18/2022	09/30/2022
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	07/18/2022	07/18/2022	09/30/2022
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	06/30/2022	07/18/2022	09/30/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	08/16/2022	08/17/2022	08/18/2022
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	06/21/2022	06/21/2022	09/08/2022
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	05/31/2022	05/31/2022	08/18/2022
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	05/25/2022	05/26/2022	08/11/2022
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	05/20/2022	05/20/2022	08/09/2022
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2020	06/13/2022	08/30/2022
CA	ENF	Enforcement Action Listing	State Water Resources Control Board	07/12/2022	07/18/2022	09/29/2022
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	07/06/2022	07/21/2022	10/03/2022
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	08/09/2022	08/10/2022	08/30/2022
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	08/12/2022	08/16/2022	08/26/2022
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2021	07/05/2022	09/19/2022
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	05/16/2022	05/17/2022	08/03/2022
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	07/05/2022	07/05/2022	09/19/2022
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
CA	ICE	ICE	Department of Toxic Substances Control	05/16/2022	05/17/2022	08/03/2022
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Quality Control Board	05/23/2022	05/23/2022	05/24/2022
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	05/25/2022	05/26/2022	08/11/2022
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
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
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 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 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
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 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 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
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	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	05/24/2022
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	MINES	Mines Site Location Listing	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	05/06/2022	05/31/2022	08/18/2022
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	06/10/2022	06/10/2022	08/26/2022
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	05/09/2022	05/09/2022	07/29/2022
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	05/31/2022	05/31/2022	08/18/2022
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	06/06/2022	06/07/2022	08/24/2022
CA	PROC	Certified Processors Database	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	RGALF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGALUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	05/05/2022	05/06/2022	07/21/2022
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
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 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
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 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
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	05/09/2022	05/09/2022	07/29/2022
CA	SWRCY	Recycler Database	Department of Conservation	06/06/2022	06/07/2022	08/23/2022
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	06/06/2022	06/07/2022	08/23/2022
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	05/23/2022	05/23/2022	06/02/2022
CA	UST	Active UST Facilities	SWRCB	06/06/2022	06/07/2022	08/24/2022
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	06/01/2022	06/09/2022	08/26/2022
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	04/25/2022	04/26/2022	07/15/2022
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	06/06/2022	06/07/2022	08/24/2022
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	05/23/2022	05/23/2022	06/02/2022
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
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	06/14/2022	06/15/2022	08/22/2022
US	BRS	Biennial Reporting System	EPANTIS	12/31/2019	03/02/2022	03/25/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	06/30/2022	07/21/2022	09/30/2022
US	CORRACTS	Corrective Action Report	EPA	06/20/2022	06/21/2022	06/28/2022
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transportation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	Delisted NPL	National Priority List Deletions	EPA	07/26/2022	08/02/2022	08/22/2022
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	06/25/2022	07/01/2022	09/30/2022
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/14/2022	06/15/2022	06/21/2022
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/25/2021	06/24/2021	09/20/2021
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	10/14/2021	11/05/2021	02/01/2022
US	FINDS	Facility Index System/Facility Registry System	EPA	05/13/2022	05/18/2022	05/31/2022
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	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	08/11/2022	08/11/2022	09/30/2022
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	08/11/2022	08/11/2022	09/30/2022
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
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	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	09/19/2022	09/19/2022	09/30/2022
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
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	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	04/28/2021	06/11/2021	09/07/2021
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	04/08/2022	06/13/2022	08/16/2022
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	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	04/07/2022	06/13/2022	08/16/2022
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	06/02/2022	06/13/2022	08/31/2022
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2022	06/13/2022	08/16/2022
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	04/28/2022	06/13/2022	08/16/2022
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	04/14/2022	06/13/2022	08/16/2022
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	04/20/2022	06/13/2022	08/16/2022
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	04/08/2022	06/13/2022	08/16/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	07/26/2022	08/02/2022	08/22/2022
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	07/26/2022	08/02/2022	08/22/2022
US	LUCIS	Land Use Control Information System	Department of the Navy	05/16/2022	05/19/2022	07/29/2022
US	MINES MRDS	Mineral Resources Data System	USGS	04/06/2018	10/21/2019	10/24/2019
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	08/01/2022	08/02/2022	09/30/2022
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	06/10/2022	06/14/2022	08/22/2022
US	NPL	National Priority List	EPA	07/26/2022	08/02/2022	08/22/2022
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	01/20/2022	01/20/2022	03/25/2022
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	07/14/2011	08/05/2011	09/29/2011
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PCS INACTIVE	Listing of Inactive PCS Permits	EPA	11/05/2014	01/06/2015	05/06/2015
US	PRP	Potentially Responsible Parties	EPA	07/26/2022	08/02/2022	08/31/2022
US	Proposed NPL	Proposed National Priority List Sites	EPA	07/26/2022	08/02/2022	08/22/2022
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/20/2022	06/21/2022	06/28/2022
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	ROD	Records Of Decision	EPA	07/26/2022	08/02/2022	08/22/2022
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	01/01/2017	02/03/2017	04/07/2017
US	SEMS	Superfund Enterprise Management System	EPA	07/26/2022	08/02/2022	08/22/2022
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	07/26/2022	08/02/2022	08/22/2022
US	SSTS	Section 7 Tracking Systems	EPA	07/18/2022	07/18/2022	07/29/2022
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2018	08/14/2020	11/04/2020
US	TSCA	Toxic Substances Control Act	EPA	12/31/2016	06/17/2020	09/10/2020
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
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	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	02/23/2022	03/10/2022	03/10/2022
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	04/30/2022	05/24/2022	07/29/2022
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/16/2022	05/24/2022	07/29/2022
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	06/20/2022	06/21/2022	08/31/2022
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	04/30/2022	05/24/2022	07/29/2022
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/16/2022	05/24/2022	07/29/2022
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	08/03/2022	08/17/2022	08/31/2022
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/06/2020	05/27/2020	08/13/2020
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UXO	Unexploded Ordnance Sites	Department of Defense	12/31/2020	01/11/2022	02/14/2022

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	05/08/2022	05/09/2022	07/28/2022
NJ	NJ MANIFEST	Manifest Information	Department of Environmental Protection	12/31/2018	04/10/2019	05/16/2019
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	01/01/2019	10/29/2021	01/19/2022
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
CA	Daycare Centers	Sensitive Receptor: Licensed Facilities	Department of Social Services			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
CA	State Wetlands	Wetland Inventory	Department of Fish and Wildlife			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HUMBOLDT PROPERTY
FOSTER AVENUE
ARCATA, CA 95521

TARGET PROPERTY COORDINATES

Latitude (North): 40.883786 - 40° 53' 1.63"
Longitude (West): 124.101191 - 124° 6' 4.29"
Universal Transverse Mercator: Zone 10
UTM X (Meters): 407222.3
UTM Y (Meters): 4526228.0
Elevation: 27 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 12014172 ARCATA NORTH, CA
Version Date: 2018

South Map: 12014174 ARCATA SOUTH, CA
Version Date: 2018

Southwest Map: 12014188 EUREKA, CA
Version Date: 2018

Northwest Map: 12014212 TYEE CITY, CA
Version Date: 2018

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).

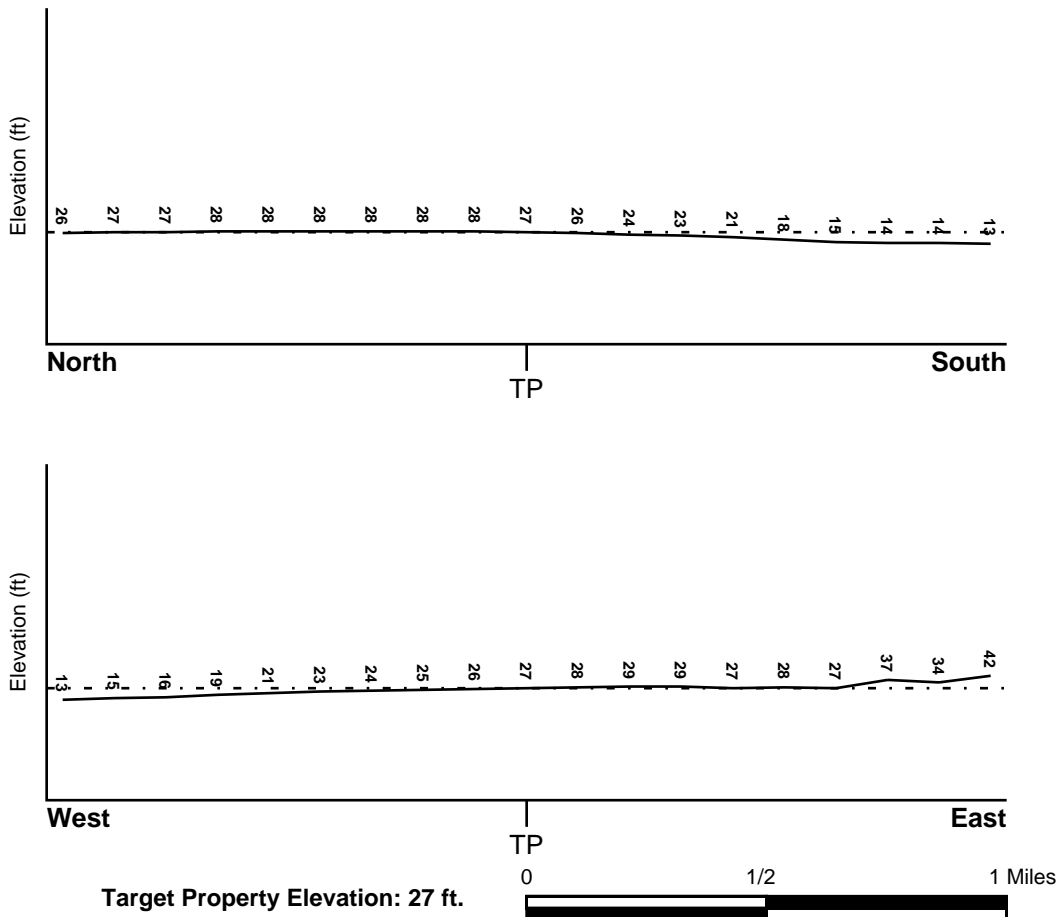
TOPOGRAPHIC INFORMATION

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 SW

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>
0600600615C	FEMA Q3 Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
0600610002D	FEMA Q3 Flood data
0600600780B	FEMA Q3 Flood data
0600610004D	FEMA Q3 Flood data

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
ARCATA NORTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

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

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: FERNDALE

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	21 inches	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: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
2	21 inches	61 inches	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: 2.00 Min: 0.60	Max: 8.40 Min: 7.40
3	61 inches	80 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: 20.00 Min: 6.00	Max: 8.40 Min: 7.40

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silty clay loam
very gravelly - sand
loam
sand
sandy loam

Surficial Soil Types: silty clay loam
very gravelly - sand
loam
sand
sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: sandy clay loam
stratified
silty clay loam
sand
silt loam
coarse sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C11	USGS40000194710	1/4 - 1/2 Mile West
16	USGS40000194707	1/4 - 1/2 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

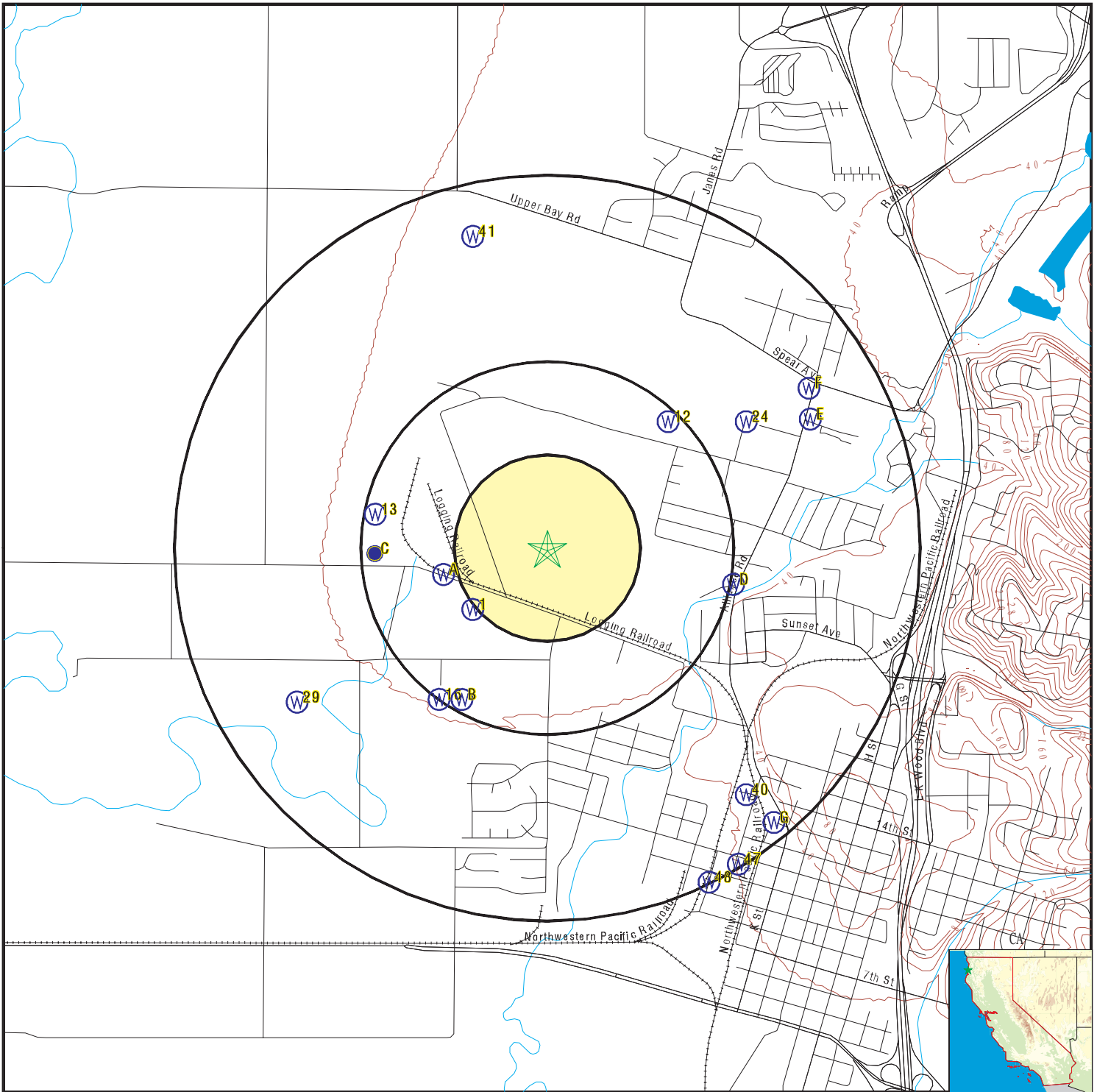
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CADWR0000022766	1/4 - 1/2 Mile SW
A2	CAEDF0000043002	1/4 - 1/2 Mile West
A3	CAEDF0000049124	1/4 - 1/2 Mile WSW
A4	CAEDF0000073803	1/4 - 1/2 Mile WSW
A5	CAEDF0000082405	1/4 - 1/2 Mile WSW
A6	CAEDF0000040320	1/4 - 1/2 Mile WSW
B7	CADDW0000014321	1/4 - 1/2 Mile SSW
B8	CADWR0000008133	1/4 - 1/2 Mile SSW
C9	CAUSGSN00008585	1/4 - 1/2 Mile West
C10	CADWR9000043437	1/4 - 1/2 Mile West
12	CADWR0000026395	1/4 - 1/2 Mile NE
13	CADWR0000010881	1/4 - 1/2 Mile West
B14	6488	1/4 - 1/2 Mile SW
D15	CAEDF0000075466	1/4 - 1/2 Mile ESE
D17	CAEDF0000094098	1/2 - 1 Mile East
D18	CAEDF0000041618	1/2 - 1 Mile East
D19	CAEDF0000033138	1/2 - 1 Mile ESE
D20	CAEDF0000047349	1/2 - 1 Mile East
D21	CAEDF0000110455	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D22	CAEDF0000098492	1/2 - 1 Mile ESE
D23	CAEDF0000135202	1/2 - 1 Mile East
24	CADWR0000037969	1/2 - 1 Mile ENE
E25	CAEDF0000106996	1/2 - 1 Mile ENE
E26	CAEDF0000091549	1/2 - 1 Mile ENE
E27	CAEDF0000120838	1/2 - 1 Mile ENE
E28	CAEDF0000034657	1/2 - 1 Mile ENE
29	CADWR0000008132	1/2 - 1 Mile WSW
E30	CAEDF0000097718	1/2 - 1 Mile ENE
E31	CAEDF0000091710	1/2 - 1 Mile ENE
E32	CAEDF0000053232	1/2 - 1 Mile ENE
F33	CAEDF0000136327	1/2 - 1 Mile ENE
F34	CAEDF0000080376	1/2 - 1 Mile ENE
F35	CAEDF0000106062	1/2 - 1 Mile ENE
F36	CAEDF0000122154	1/2 - 1 Mile ENE
F37	CAEDF0000099057	1/2 - 1 Mile ENE
F38	CAEDF0000141758	1/2 - 1 Mile ENE
F39	CAEDF0000095575	1/2 - 1 Mile ENE
40	CADWR0000001254	1/2 - 1 Mile SE
41	CADWR0000009561	1/2 - 1 Mile NNW
G42	CAEDF0000070635	1/2 - 1 Mile SE
G43	CAEDF0000091341	1/2 - 1 Mile SE
G44	CAEDF0000129974	1/2 - 1 Mile SE
G45	CAEDF0000048380	1/2 - 1 Mile SE
G46	CAEDF0000085150	1/2 - 1 Mile SE
47	CAEDF0000136610	1/2 - 1 Mile SSE
48	CAEDF0000101456	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 7136660.2s



- 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



SITE NAME: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata CA 95521
 LAT/LONG: 40.883786 / 124.101191

CLIENT: Ninyo & Moore
 CONTACT: Luke Swickard
 INQUIRY #: 7136660.2s
 DATE: October 04, 2022 8:57 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
1	SW	1/4 - 1/2 Mile	Lower	CA WELLS	CADWR0000022766
Click here for full text details					
A2	West	1/4 - 1/2 Mile	Lower	CA WELLS	CAEDF0000043002
Click here for full text details					
A3	WSW	1/4 - 1/2 Mile	Lower	CA WELLS	CAEDF0000049124
Click here for full text details					
A4	WSW	1/4 - 1/2 Mile	Lower	CA WELLS	CAEDF0000073803
Click here for full text details					
A5	WSW	1/4 - 1/2 Mile	Lower	CA WELLS	CAEDF0000082405
Click here for full text details					
A6	WSW	1/4 - 1/2 Mile	Lower	CA WELLS	CAEDF0000040320
Click here for full text details					
B7	SSW	1/4 - 1/2 Mile	Lower	CA WELLS	CADDW0000014321
Click here for full text details					
B8	SSW	1/4 - 1/2 Mile	Lower	CA WELLS	CADWR0000008133
Click here for full text details					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
C9 West 1/4 - 1/2 Mile Lower	Click here for full text details	CA WELLS	CAUSGSN00008585
C10 West 1/4 - 1/2 Mile Lower	Click here for full text details	CA WELLS	CADWR9000043437
C11 West 1/4 - 1/2 Mile Lower	Click here for full text details	FED USGS	USGS40000194710
12 NE 1/4 - 1/2 Mile Higher	Click here for full text details	CA WELLS	CADWR0000026395
13 West 1/4 - 1/2 Mile Lower	Click here for full text details	CA WELLS	CADWR0000010881
B14 SW 1/4 - 1/2 Mile Lower	Click here for full text details	CA WELLS	6488
D15 ESE 1/4 - 1/2 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000075466
16 SW 1/4 - 1/2 Mile Lower	Click here for full text details	FED USGS	USGS40000194707
D17 East 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000094098

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
D18 East 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000041618
D19 ESE 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000033138
D20 East 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000047349
D21 East 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000110455
D22 ESE 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000098492
D23 East 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000135202
24 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CADWR0000037969
E25 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CAEDF0000106996
E26 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CAEDF0000091549

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID	Direction	Distance	Elevation	Database	EDR ID Number
E27	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000120838
			Click here for full text details		
E28	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000034657
			Click here for full text details		
29	WSW	1/2 - 1 Mile	Lower	CA WELLS	CADWR0000008132
			Click here for full text details		
E30	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000097718
			Click here for full text details		
E31	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000091710
			Click here for full text details		
E32	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000053232
			Click here for full text details		
F33	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000136327
			Click here for full text details		
F34	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000080376
			Click here for full text details		
F35	ENE	1/2 - 1 Mile	Higher	CA WELLS	CAEDF0000106062
			Click here for full text details		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
F36 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CAEDF0000122154
F37 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CAEDF0000099057
F38 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CAEDF0000141758
F39 ENE 1/2 - 1 Mile Higher	Click here for full text details	CA WELLS	CAEDF0000095575
40 SE 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CADWR0000001254
41 NNW 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CADWR0000009561
G42 SE 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000070635
G43 SE 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000091341
G44 SE 1/2 - 1 Mile Lower	Click here for full text details	CA WELLS	CAEDF0000129974

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database

EDR ID Number

G45
SE
1/2 - 1 Mile
Higher

[Click here for full text details](#)

CA WELLS

CAEDF0000048380

G46
SE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

CA WELLS

CAEDF0000085150

47
SSE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

CA WELLS

CAEDF0000136610

48
SSE
1/2 - 1 Mile
Lower

[Click here for full text details](#)

CA WELLS

CAEDF0000101456

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
95521	16	0

Federal EPA Radon Zone for HUMBOLDT County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 95521

Number of sites tested: 8

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.288 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.

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:

SITE DOCUMENTATION AND REGULATORY RECORDS

From: [County of Humboldt](#)
To: [Luke Swickard](#)
Subject: Your Humboldt County public records request #22-1434 has been closed.
Date: Thursday, October 6, 2022 12:00:51 PM

-- Attach a non-image file and/or reply ABOVE THIS LINE with a message, and it will be sent to staff on this request. --

Humboldt County Public Records

Record request #22-1434 has been closed.
The closure reason supplied was:

Dear Luke Swickard,

The county has not located records responsive to this request. If you have any questions or concerns, please contact me by responding to this message or calling the number below. Thank you.

~Maje

Maje Hoyos R.E.H.S

Supervising Environmental Health Specialist

(707) 268-2212

Humboldt County Hazardous Materials Website

[View Request 22-1434](#)

<https://humboldtgov.nextrequest.com/requests/22-1434>



The All in One Records Requests Platform

Questions about your request? Reply to this email or sign in to contact staff at Humboldt County.

Technical support: See our [help page](#)

Too many emails? [Change your email settings here](#)

PHASE I ESA/AI REQUIREMENTS

According to the All Appropriate Inquiry (AAI, 40 CFR 312) requirements and ASTM (E 1527-05) guidance on conducting Phase I Environmental Site Assessments, the "user" of the assessment must provide the following information, if available, to the environmental professional in order to qualify for Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001. Please check yes or no and provide any additional information you may have regarding the site. Failure to provide this information could result in a determination that "all appropriate inquiry" is not complete.

(1) Environmental cleanup liens that are filed or recorded against the site (40 CFR 132.25).

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

Yes No

If yes, please explain:

(2) Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

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

Yes No

If yes, please explain:

(3) Specialized knowledge or experience of the person/department requesting the Phase I ESA and seeking to qualify for the landowner liability protections (40 CFR 312.28).

As the user of this ESA, do you have any specialized knowledge or experience related to the property or adjoining properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

Yes No

If yes, please explain:

(4) Relationship of the purchase price to the fair market value of the property, if it were not contaminated (40 CFR 312.29).

Does the purchase price offered for this property reasonably reflect the fair market value of the property? If there is a difference between the purchase price and the fair market value, have you considered whether the lower purchase price is because contamination is known or believed to be at the property?

Please discuss:

(5) Commonly known or reasonably ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as user,

- (a) Do you know the past uses of the property?
- (b) Do you know of specific chemicals that are present or once were present at the property?
- (c) Do you know of spills or other chemical releases that have taken place at the property?
- (d) Do you know of any environmental cleanups that have taken place or are ongoing at the property?

Yes No

If yes, please explain:

(6) The degree of obviousness of the presence or likely presence of contamination at the property and the ability to detect the contamination by appropriate investigation (40 CFR 312.31).

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?

Yes No

If yes, please explain:

Print Name _____

Signature _____

Date _____

Site Name: Foster Clean Power A LLCSite Address: Foster Ave and Janes Roadin intersection Arcata, CA 95521Type of Business: N/ACurrent Owner: Arcata Land Company LLCDates of Ownership: 1999 to currentPrevious Owner: Arcata Redwood CompanyDates of Ownership: 1950s to 1999

Type(s) of Business: _____

Date of Original Construction of Site Building(s): _____

BACKGROUND & USE

What is the current use of the property?

<input type="checkbox"/>	Hotel/Motel	<input type="checkbox"/>	Industrial/Storage/Warehouse: Type:
<input type="checkbox"/>	Warehouse (type):	<input checked="" type="checkbox"/>	Vacant Land/Farming/Agricultural/Cattle Grazing
<input type="checkbox"/>	Office	<input type="checkbox"/>	Multi-Family Residential
<input type="checkbox"/>	Retail	<input type="checkbox"/>	Other:

What is the intended future use of the property? Cannabis and solar**Site Tenant History**

Year(s)	Tenant / Type of Business
	N/A

Please fill in the following information regarding the site utilities, as appropriate and indicate the date service was originally initiated/installed:Water Provider: WailwaterSewer Provider: N/AElectrical Provider: PG&ENatural Gas Provider: PG&E

Is the property currently used, or previously been used, for an industrial or manufacturing operation, as a gasoline station, a motor repair facility, a commercial printing facility, a dry cleaners, a photo developing laboratory, a junkyard or a landfill, or as a waste treatment, storage, disposal, processing or recycling facility?

 Yes Type: _____ No Unknown

Has the facility or the property ever generated, treated, stored, transported or disposed of hazardous waste or hazardous substances other than on an incidental basis? Are waste manifest forms available?

Yes Description: _____
 No
 Unknown

Have any demolition debris, hazardous substances, petroleum products, unidentified waste materials, automotive or industrial batteries, tires, trash or refuse been dumped, buried and/or burned on the property?

Yes Description: _____
 No
 Unknown

TANKS (fuel tanks, oil tanks, etc)

Are there currently, or have there been previously, any underground storage tanks on the property such as gasoline/diesel fuel tanks, waste oil tanks?

Yes No Unknown

If YES, please provide number, size, age of tanks

Tanks _____ Size _____ Contents _____ Age _____
Tanks _____ Size _____ Contents _____ Age _____
Tanks _____ Size _____ Contents _____ Age _____
Tanks _____ Size _____ Contents _____ Age _____

Has there ever been a reported or unreported release or spill (including failed leak tests) from the tank? (If YES, provide details).

Yes No Unknown

Are there currently, or have there been previously, any above ground storage tanks on the property?

Yes No Unknown

If YES, please provide number, size, age of tanks

Tanks _____ Size _____ Contents _____ Age _____
Tanks _____ Size _____ Contents _____ Age _____
Tanks _____ Size _____ Contents _____ Age _____
Tanks _____ Size _____ Contents _____ Age _____

Has there ever been a reported or unreported release or spill (including failed leak tests) from the tank? (If YES, provide details).

Yes No Unknown

Has there ever been a reported or unreported release or spill from the tank? (If YES, provide details).

Yes No Unknown

Details: _____

UTILITIES/DISCHARGES

Is the property served, or has the property been served, by a private water well?

Yes No Unknown

If yes, is groundwater under the property used as a source of drinking water?

Yes No Unknown

Has the water from the well ever been tested? (If YES, please provide test results)

Yes No Unknown

Has the well water been identified as contaminated by any governmental agency?

Yes No Unknown

Are there any groundwater monitoring wells or irrigation wells on the property?

Yes No Unknown

If Yes, how many 1 and when were they installed? 70s

Does the property discharge waste water, or storm water into a municipal sanitary sewer system? If Yes, does the facility discharge under an NPDES Permit or Waste Discharge Permit?

Yes No Unknown Permit Number/Agency: _____

Are there any current or previous sumps used for waste-water collection/treatment on the property?

Yes No Unknown

Are there any septic systems, dry wells or leach fields on the property?

Yes No Unknown If Yes, Where?: _____

ENVIRONMENTAL COMPLIANCE

Is there knowledge of environmental liens or governmental notification or involvement relating to past or current use or disposal of hazardous substances?

Yes No Unknown

Is there any environmental litigation, administrative action or cleanup action involving the property related to a release or threatened release of any hazardous substance or petroleum product?

Yes No Unknown

Has the property or related facilities or operations ever been the subject of enforcement actions by governmental authorities resulting in penalties of any kind?

Yes No Unknown

ENVIRONMENTAL CONDITIONS

Has groundwater or soils on the property ever been tested?

Yes No Unknown

If Yes, provide details:

Have any contaminants been identified which exceed standards or guidelines levels?

Yes No Unknown

If Yes, provide details:

BUILDING CONDITIONS

What is/are the age of the structure(s)? N/A

Have any major renovations been completed and if so, describe type and when completed:

Has an asbestos and/or lead-based paint survey been performed on the site structure(s)?

Yes No Unknown

If Yes, was asbestos containing materials identified?

Yes No

If Yes, was lead-based paint present identified?

Yes No

THIS QUESTIONNAIRE WAS COMPLETED BY

Name (Print) Lane Devries

Signature DocuSigned by: *Lane Devries*

Title 26B88E5C4955478...

Address _____

Phone Number 707-845-7717

Date _____

Please return the completed questionnaire by email to Ninyo & Moore at the following address:

Luke Swickard, Senior Staff Environmental Scientist
Ninyo & Moore
1401 Halyard Drive, Suite 110
West Sacramento, California 95691
916-373-9858 EX 15403 (office)
530-219-3575 (cell)
lswickard@ninyoandmoore.com

Title Report

File No.: FFHO-FTO210931H

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CONDITION OF TITLE

Issued By:



Fidelity National Title
Insurance Company

Guarantee Number:

FFHO-FTO210931H

SUBJECT TO THE EXCLUSIONS FROM COVERAGE, AND THE GUARANTEE CONDITIONS ATTACHED HERETO AND MADE A PART OF THIS GUARANTEE,

FIDELITY NATIONAL TITLE INSURANCE COMPANY
a corporation, herein called the Company

GUARANTEES

the Assured named in Schedule A of this Guarantee

against loss or damage not exceeding the Amount of Liability stated in Schedule A sustained by the Assured by reason of any incorrectness in the Assurances set forth in Schedule A.

Fidelity National Title Company of California
1034 Sixth Street, Suite B
Eureka, CA 95501

Countersigned By:

Bryan Shank
Authorized Officer or Agent



Fidelity National Title Insurance Company

By:

Randy Quirk, President

Attest:

Marjorie Nemzura, Secretary

ISSUING OFFICE:
Title Officer: Melinda Moffitt Fidelity National Title Company of California 1034 Sixth Street, Suite B Eureka, CA 95501 Phone: 707-683-4911 Main Phone: (707)443-2824 Email: Melinda.Moffitt@titlegroup.fntg.com

SCHEDULE A

Amount of Liability	Fee	Title Officer
\$5,000.00	\$500.00	Melinda Moffitt

Date of Guarantee: July 9, 2021 at 07:30 AM

1. Name of Assured: First American Title Co.
2. The estate or interest in the Land which is covered by this Guarantee is:

A Fee
3. The Land referred to in this Guarantee is described as follows:

For APN/Parcel ID(s): 505-151-012-000 and 506-231-019-000 (Formerly 505-151-003-000, 505-151-004-000, 506-131-014-000 and 506-231-011-000)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE UNINCORPORATED AREA IN COUNTY OF HUMBOLDT, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

Those portions of Sections 19, 20, 29 and 30, Township 6 North, Range 1 East, Humboldt Meridian, described as follows:

COMMENCING at the Southeast corner of Section 19, Township 6 North, Range 1 East, Humboldt Meridian;

thence South 0 degrees 11 minutes 45 seconds East, 640.44 feet to the South line of that parcel of land conveyed to Sarah Nixon by deed recorded December 20, 1859, recorded in [Book D of Deeds, Page 21](#), Humboldt County Recorded, said point being the TRUE POINT OF BEGINNING;

thence North 70 degrees 54 minutes 57 seconds West, along said South line, 596.36 feet; thence North 20 degrees 22 minutes 20 seconds West, 1103.43 feet; thence North 70 degrees 22 minutes 14 seconds East, 994.71 feet; thence North 15 degrees 08 minutes 48 seconds East, 1223.87 feet; thence North 72 degrees 28 minutes 00 seconds West, 332.85 feet; thence North 72 degrees 01 minutes 05 seconds West, 643.54 feet; thence South 16 degrees 39 minutes 42seconds West, 931.79 feet; thence South 68 degrees 27 minutes 04 seconds West, 398.97; thence North 20 degrees 08 minutes 48 seconds West, 46.90 feet; thence South 73 degrees 26 minutes 42 seconds West, 831.47 feet, to the East line of that parcel of land conveyed to George Danskin by deed recorded June 3, 1867 in [Book F of Deeds, Page 331](#);

thence North 15 degrees 28 minutes 22 seconds East, along said East line, 1554.00 feet, to the North line of the Southeast quarter of said Section 19; thence South 89 degrees 41 minutes 23 seconds East, along said North line, 265.22 feet to the most Westerly corner of that parcel of land conveyed to Dunbar D. Averell by deed recorded March 16, 1868 in [Book F of Deeds, Page 613](#); thence South 72 degrees 01 minutes 05 seconds East, along the South line of said parcel 1457.75 feet; thence continuing along the

SCHEDULE A

(continued)

South line of said parcel, South 72 degrees 28 minutes East 6.28 feet to the East line of said Section 19; thence South 72 degrees 28 minutes East, along the North line of that parcel of land conveyed to Isaac Nixon by deed recorded February 13, 1861 in [Book D of Deeds, Page 181](#), a distance of 926.48 feet to the most Easterly corner thereof; thence South 15 degrees 08 minutes 48 seconds West, along the East line of said parcel 2013.16 feet to the Southeast corner thereof; thence South 15 degrees 13 minutes 03 seconds West, along the East line of parcel of land conveyed to Sarah Nixon by Deed recorded October 17, 1868 in [Book G of Deeds, Page 100](#), for a distance of 718.11 feet to the Southeast corner of said parcel; thence North 70 degrees 54 minutes 57 seconds West, along the South line of said parcel 180.19 feet to the TRUE POINT OF BEGINNING.

Pursuant to a Notice of Lot Line Adjustment and Certificate of Subdivision Compliance, recorded April 14, 2020, [Instrument No. 2020-006356, Official Records](#).

4. ASSURANCES:

According to the Public Records as of the Date of Guarantee,

- a. Title to the estate or interest in the Land is [vested in:](#)
Arcata Land Company, LLC, a California limited liability company
- b. Title to the estate or interest is subject to defects, liens or encumbrances shown in Schedule B which are not necessarily shown in the order of their priority.

END OF SCHEDULE A

SCHEDULE B

1. Property taxes, which are a lien not yet due and payable, including any assessments collected with taxes to be levied for the fiscal year 2021-2022.

2. Property taxes, including any assessments collected with taxes, to be levied for the fiscal year 2020-2021 and subsequent years. Taxes are not available at this time.

Affects: [APN: 505-151-012-000](#)

3. Note: Property taxes for the fiscal year shown below are PAID. For proration purposes the amounts were:

Tax Identification No.: [505-151-003-000](#)

Fiscal Year:	2020-2021
1st Installment:	\$176.30
2nd Installment:	\$176.30
Land:	\$23,784.00
Code Area:	053-018

Affects: A portion of the Land described herein and other land.

4. Note: Property taxes for the fiscal year shown below are PAID. For proration purposes the amounts were:

Tax Identification No.: [505-151-004-000](#)

Fiscal Year:	2020-2021
1st Installment:	\$76.02
2nd Installment:	\$76.02
Land:	\$5,892.00
Code Area:	053-018

Affects: A portion of the Land described herein.

5. Property taxes, including any assessments collected with taxes, to be levied for the fiscal year 2020-2021 and subsequent years. Taxes are not available at this time.

Affects: [APN: 506-231-019-000](#)

6. Note: Property taxes for the fiscal year shown below are PAID. For proration purposes the amounts were:

Tax Identification No.: [506-131-014-000](#)

Fiscal Year:	2020-2021
1st Installment:	\$75.04
2nd Installment:	\$75.04
Land:	\$11,169.00
Code Area:	103-008

Affects: A portion of the Land described herein.

SCHEDULE B

(continued)

7. Note: Property taxes for the fiscal year shown below are PAID. For proration purposes the amounts were:

Tax Identification No.: 506231-011-000

Fiscal Year: 2020-2021
 1st Installment: \$36,356.08
 2nd Installment: \$36,356.08
 Land: \$115,504.00
 Improvements: \$6,305,277.00
 Personal Property: \$152,920.00
 Code Area: 103-008

Affects: A portion of the Land described herein and other land.

8. Any liens or other assessments, bonds, or special district liens including without limitation, Community Facility Districts, that arise by reason of any local, City, Municipal or County Project or Special District.
9. The lien of supplemental or escaped assessments of property taxes, if any, made pursuant to the provisions of Chapter 3.5 (commencing with Section 75) or Part 2, Chapter 3, Articles 3 and 4, respectively, of the Revenue and Taxation Code of the State of California as a result of the transfer of title to the vestee named in Schedule A or as a result of changes in ownership or new construction occurring prior to Date of Policy.
10. Rights of the public to any portion of the Land lying within the area commonly known as Foster Avenue aka Bottoms Road and Minor Lane aka Simpson Mill Road.

11. Easement(s) for the purpose(s) shown below and rights incidental thereto as set forth in a document:

granted To: Pacific Gas and Electric Company
 Purpose: Public utilities
 Recording Date: August 27, 1941
 Recording No.: [Book 251 of Deeds, Page 372](#)

Reference is hereby made to said document for full particulars.

12. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Humboldt Bay Municipal Water District
 Purpose: Water pipeline
 Recording Date: October 16, 1961
 Recording No.: [Book 656, Page 481, of Official Records](#)

Terms and conditions contained therein.

13. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Pacific Gas and Electric Company
 Purpose: Public utilities
 Recording Date: May 18, 1962
 Recording No.: [Book 687, Page 616, of Official Records](#)

Reference is hereby made to said document for full particulars.

SCHEDULE B

(continued)

14. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: County of Humboldt
Purpose: An open drainage ditch
Recording Date: May 14, 1963
[Recording No.: Book 736, Page 644, of Official Records](#)

15. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Pacific Gas and Electric Company
Purpose: Public utilities
Recording Date: March 28, 1985
[Recording No.: Book 1763, Page 118, of Official Records](#)

Reference is hereby made to said document for full particulars.

16. Any rights, interests, or claims which may exist or arise by reason of the following matters disclosed by survey,

Dated: May 11, 2000
Prepared by: Kelly-O'Hern Associates
Matters shown:
1) over head wires crossing the southwest corner
2) an existing ditch affecting the westerly portion of the southerly boundary near the intersection with Dolly Varden Road
3) overhead wires along the north line of Foster Avenue encroach upon the southerly boundary

17. Any matters which may exist or arise by reason of the following surveys on file in the Office of the County Recorder of said County, which purports to show the herein described and other property. Said surveys by book and page are as follows:

[Book 64 of Surveys, Pages 111](#) and 112.

18. Matters contained in that certain document

Entitled: Notice of Lot line Adjustment and Certificate of Subdivision Compliance
Recording Date: March 19, 2007
Recording No.: [2007-9074-8, of Official Records](#)

Reference is hereby made to said document for full particulars.

19. A deed of trust to secure an indebtedness in the amount shown below,

Amount: \$12,100,000.00
Dated: May 27, 2016
Trustor/Grantor: Arcata Land Company, LLC
Trustee: Chicago Title Insurance Company
Beneficiary: Seacoast Capital Partners III, L.P.
Recording Date: May 31, 2016
[Recording No.: 2016-009931, of Official Records](#)

SCHEDULE B

(continued)

An agreement to modify the terms and provisions of said deed of trust as therein provided

Executed by: Seacoast Capital Partners III, L.P. and Arcata Land Company, LLC
 Recording Date: January 6, 2020
[Recording No.: 2020-000187, of Official Records](#)

An agreement recorded January 22, 2020 at [Instrument No. 2020-001161, of Official Records](#) which states that this instrument was subordinated to the document or interest described in the instrument

Entitled: Deed of Trust
 Recording Date: January 6, 2020
[Recording No.: 2020-000188, of Official Records](#)

20. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Subordination, Non-Disturbance and Attornment Agreement
 Lessor: The Sun Valley Group, Inc., a California Corporation
 Owner: Arcata Land Company, LLC
 Lessee: Carlson Wireless Technologies, Inc., a California corporation
 Recording Date: August 31, 2016
[Recording No.: 2016-016554, of Official Records](#)

21. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Subordination, Non-Disturbance and Attornment Agreement
 Lessor: The Sun Valley Group, Inc., a California Corporation
 Owner: Arcata Land Company, LLC
 Lessee: Sierra Madre Mushroom, Inc., a California Corporation
 Recording Date: August 31, 2016
[Recording No.: 2016-016555, of Official Records](#)

22. Matters contained in that certain document

Entitled: Easement Agreement
 Executed by: Arcata Land Company, LLC, a California limited liability company
 and WE Investment Properties, LLC, a California limited liability company
 Recording Date: March 16, 2017
[Recording No.: 2017-004588, of Official Records](#)

Reference is hereby made to said document for full particulars.

23. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: WE Investment Properties, LLC, a California limited liability company
 Purpose: Ingress, egress and public utilities
 Recording Date: March 16, 2017
[Recording No.: 2017-004589, of Official Records](#)
 Affects: 50 foot wide strip of land

SCHEDULE B

(continued)

24. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: WE Investment Properties, LLC, a California limited liability company
Purpose: Right to take water for fire suppression purposes
Recording Date: March 16, 2017
[Recording No.: 2017-004589, of Official Records](#)

Reference is hereby made to said document for full particulars.

25. A deed of trust to secure an indebtedness in the amount shown below,

Amount: \$30,000,000.00
Dated: December 30, 2019
Trustor/Grantor: Arcata Land Company, LLC, a California limited liability company
Trustee: Chicago Title Insurance Company
Beneficiary: Midcap Financial Trust, a Delaware statutory trust
Loan No.: Not shown
Recording Date: January 6, 2020
[Recording No.: 2020-000188, of Official Records](#)

Affects: The herein described Land and other land.

26. A financing statement as follows:

Debtor: Arcata Land Company, LLC
Secured Party: Midcap Financial Trust, as Agent
Recording Date: January 6, 2020
[Recording No.: 2020-000189, of Official Records](#)

Affects: The herein described Land and other land.

27. An unrecorded lease with certain terms, covenants, conditions and provisions set forth therein as disclosed by the document

Entitled: Memorandum of Lease
Lessor: Arcata Land Company, LLC, a California limited liability company
Lessee: The Sun Valley Group, Inc., a California corporation
Recording Date: January 6, 2020
[Recording No.: 2020-000190, of Official Records](#)

Affects: The herein described Land and other land.

The present ownership of the leasehold created by said lease and other matters affecting the interest of the lessee are not shown herein.

SCHEDULE B

(continued)

28. Matters contained in that certain document

Entitled: Notice of Lot Line Adjustment and Certificate of Subdivision Compliance
Dated: March 18, 2020
Executed by: County of Humboldt
Recording Date: April 14, 2020
[Recording No.: 2020-006356, of Official Records](#)

Reference is hereby made to said document for full particulars.

29. Any matters which may exist or arise by reason of the following survey/s on file in the Office of the County Recorder of said County, which purports to show the herein described and other property. Said survey/s by Book and Page are as follows:

[Book 74 of Surveys, Page 137](#)

END OF SCHEDULE B

EXCLUSIONS FROM COVERAGE

Except as expressly provided by the assurances in Schedule A, the Company assumes no liability for loss or damage by reason of the following:

- (a) Defects, liens, encumbrances, adverse claims or other matters affecting the title to any property beyond the lines of the Land.
- (b) Defects, liens, encumbrances, adverse claims or other matters, whether or not shown by the Public Records (1) that are created, suffered, assumed or agreed to by one or more of the Assureds; or (2) that result in no loss to the Assured.
- (c) Defects, liens, encumbrances, adverse claims or other matters not shown by the Public Records.
- (d) The identity of any party shown or referred to in any of the schedules of this Guarantee.
- (e) The validity, legal effect or priority of any matter shown or referred to in any of the schedules of this Guarantee.
- (f) (1) Taxes or assessments of any taxing authority that levies taxes or assessments on real property; or (2) proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not the matters excluded under (1) or (2) are shown by the records of the taxing authority or by the Public Records.
- (g) (1) Unpatented mining claims; (2) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (3) water rights, claims or title to water, whether or not the matters excluded under (1), (2) or (3) are shown by the Public Records.

GUARANTEE CONDITIONS**1. DEFINITION OF TERMS**

The following terms when used in the Guarantee mean:

- (a) the "Assured": the party or parties named as the Assured in Schedule A, or on a supplemental writing executed by the Company.
- (b) "Land": the Land described or referred to in Schedule A, and improvements affixed thereto which by law constitute real property. The term "Land" does not include any property beyond the lines of the area described or referred to in Schedule A, nor any right, title, interest, estate or easement in abutting streets, roads, avenues, alleys, lanes, ways or waterways.
- (c) "Mortgage": mortgage, deed of trust, trust deed, or other security instrument.
- (d) "Public Records": those records established under California statutes at Date of Guarantee for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without knowledge.
- (e) "Date of Guarantee": the Date of Guarantee set forth in Schedule A.
- (f) "Amount of Liability": the Amount of Liability as stated in Schedule A.

2. NOTICE OF CLAIM TO BE GIVEN BY ASSURED

The Assured shall notify the Company promptly in writing in case knowledge shall come to the Assured of any assertion of facts, or claim of title or interest that is contrary to the assurances set forth in Schedule A and that might cause loss or damage for which the Company may be liable under this Guarantee. If prompt notice shall not be given to the Company, then all liability of the Company shall terminate with regard to the matter or matters for which prompt notice is required; provided, however, that failure to notify the Company shall in no case prejudice the rights of the Assured under this Guarantee unless the Company shall be prejudiced by the failure and then only to the extent of the prejudice.

3. NO DUTY TO DEFEND OR PROSECUTE

The Company shall have no duty to defend or prosecute any action or proceeding to which the Assured is a party, notwithstanding the nature of any allegation in such action or proceeding.

4. COMPANY'S OPTION TO DEFEND OR PROSECUTE ACTIONS; DUTY OF ASSURED TO COOPERATE

Even though the Company has no duty to defend or prosecute as set forth in Paragraph 3 above:

- (a) The Company shall have the right, at its sole option and cost, to institute and prosecute any action or proceeding, interpose a defense, as limited in Paragraph 4 (b), or to do any other act which in its opinion may be necessary or desirable to establish the correctness of the assurances set forth in Schedule A or to prevent or reduce loss or damage to the Assured. The Company may take any appropriate action under the terms of this Guarantee, whether or not it shall be liable hereunder, and shall not thereby concede liability or waive any provision of this Guarantee. If the Company shall exercise its rights under this paragraph, it shall do so diligently.
- (b) If the Company elects to exercise its options as stated in Paragraph 4 (a) the Company shall have the right to select counsel of its choice (subject to the right of the Assured to object for reasonable cause) to represent the Assured and shall not be liable for and will not pay the fees of any other counsel, nor will the Company pay any fees, costs or expenses incurred by an Assured in the defense of those causes of action which allege matters not covered by this Guarantee.
- (c) Whenever the Company shall have brought an action or interposed a defense as permitted by the provisions of this Guarantee, the Company may pursue any litigation to final determination by a court of competent jurisdiction and expressly reserves the right, in its sole discretion, to appeal from an adverse judgment or order.
- (d) In all cases where this Guarantee permits the Company to prosecute or provide for the defense of any action or proceeding, the Assured shall secure to the Company the right to so prosecute or provide for the defense of any action or proceeding, and all appeals therein, and permit the Company to use, at its option, the name of the Assured for this purpose. Whenever requested by the Company, the Assured, at the Company's expense, shall give the Company all reasonable aid in any action or proceeding, securing evidence, obtaining witnesses, prosecuting or defending the action or lawful act which in the opinion of the Company may be necessary or desirable to establish the correctness of the assurances set forth in Schedule A or to prevent or reduce loss or damage to the Assured. If the Company is prejudiced by the failure of the Assured to furnish the required cooperation, the Company's obligations to the Assured under the Guarantee shall terminate.

(continued)

5. PROOF OF LOSS OR DAMAGE

- (a) In the event the Company is unable to determine the amount of loss or damage, the Company may, at its option, require as a condition of payment that the Assured furnish a signed proof of loss. The proof of loss must describe the defect, lien, encumbrance, or other matter that constitutes the basis of loss or damage and shall state, to the extent possible, the basis of calculating the amount of the loss or damage.
- (b) In addition, the Assured may reasonably be required to submit to examination under oath by any authorized representative of the Company and shall produce for examination, inspection and copying, at such reasonable times and places as may be designated by any authorized representative of the Company, all records, books, ledgers, checks, correspondence and memoranda, whether bearing a date before or after Date of Guarantee, which reasonably pertain to the loss or damage. Further, if requested by any authorized representative of the Company, the Assured shall grant its permission, in writing, for any authorized representative of the Company to examine, inspect and copy all records, books, ledgers, checks, correspondence and memoranda in the custody or control of a third party, which reasonably pertain to the loss or damage. All information designated as confidential by the Assured provided to the Company pursuant to this paragraph shall not be disclosed to others unless, in the reasonable judgment of the Company, it is necessary in the administration of the claim. Failure of the Assured to submit for examination under oath, produce other reasonably requested information or grant permission to secure reasonably necessary information from third parties as required in the above paragraph, unless prohibited by law or governmental regulation, shall terminate any liability of the Company under this Guarantee to the Assured for that claim.

6. OPTIONS TO PAY OR OTHERWISE SETTLE CLAIMS: TERMINATION OF LIABILITY

In case of a claim under this Guarantee, the Company shall have the following additional options:

- (a) To pay or tender payment of the Amount of Liability together with any costs, attorneys' fees, and expenses incurred by the Assured that were authorized by the Company up to the time of payment or tender of payment and that the Company is obligated to pay.
- (b) To pay or otherwise settle with the Assured any claim assured against under this Guarantee. In addition, the Company will pay any costs, attorneys' fees, and expenses incurred by the Assured that were authorized by the Company up to the time of payment or tender of payment and that the Company is obligated to pay; or
- (c) To pay or otherwise settle with other parties for the loss or damage provided for under this Guarantee, together with any costs, attorneys' fees, and expenses incurred by the Assured that were authorized by the Company up to the time of payment and that the Company is obligated to pay.

Upon the exercise by the Company of either of the options provided for in 6 (a), (b) or (c) of this paragraph the Company's obligations to the Assured under this Guarantee for the claimed loss or damage, other than the payments required to be made, shall terminate, including any duty to continue any and all litigation initiated by the Company pursuant to Paragraph 4.

7. LIMITATION OF LIABILITY

- (a) This Guarantee is a contract of Indemnity against actual monetary loss or damage sustained or incurred by the Assured claimant who has suffered loss or damage by reason of reliance upon the assurances set forth in Schedule A and only to the extent herein described, and subject to the Exclusions From Coverage of this Guarantee.
- (b) If the Company, or the Assured under the direction of the Company at the Company's expense, removes the alleged defect, lien, or encumbrance or cures any other matter assured against by this Guarantee in a reasonably diligent manner by any method, including litigation and the completion of any appeals therefrom, it shall have fully performed its obligations with respect to that matter and shall not be liable for any loss or damage caused thereby.
- (c) In the event of any litigation by the Company or with the Company's consent, the Company shall have no liability for loss or damage until there has been a final determination by a court of competent jurisdiction, and disposition of all appeals therefrom.
- (d) The Company shall not be liable for loss or damage to the Assured for liability voluntarily assumed by the Assured in settling any claim or suit without the prior written consent of the Company.

8. REDUCTION OF LIABILITY OR TERMINATION OF LIABILITY

All payments under this Guarantee, except payments made for costs, attorneys' fees and expenses pursuant to Paragraph 4 shall reduce the Amount of Liability under this Guarantee pro tanto.

9. PAYMENT OF LOSS

- (a) No payment shall be made without producing this Guarantee for endorsement of the payment unless the Guarantee has been lost or destroyed, in which case proof of loss or destruction shall be furnished to the satisfaction of the Company.
- (b) When liability and the extent of loss or damage has been definitely fixed in accordance with these Conditions, the loss or damage shall be payable within thirty (30) days thereafter.

10. SUBROGATION UPON PAYMENT OR SETTLEMENT

Whenever the Company shall have settled and paid a claim under this Guarantee, all right of subrogation shall vest in the Company unaffected by any act of the Assured claimant.

The Company shall be subrogated to and be entitled to all rights and remedies which the Assured would have had against any person or property in respect to the claim had this Guarantee not been issued. If requested by the Company, the Assured shall transfer to the Company all rights and remedies against any person or property necessary in order to perfect this right of subrogation. The Assured shall permit the Company to sue, compromise or settle in the name of the Assured and to use the name of the Assured in any transaction or litigation involving these rights or remedies.

If a payment on account of a claim does not fully cover the loss of the Assured the Company shall be subrogated to all rights and remedies of the Assured after the Assured shall have recovered its principal, interest, and costs of collection.

(continued)

11. ARBITRATION

Either the Company or the Assured may demand that the claim or controversy shall be submitted to arbitration pursuant to the Title Insurance Arbitration Rules of the American Land Title Association ("Rules"). Except as provided in the Rules, there shall be no joinder or consolidation with claims or controversies of other persons. Arbitrable matters may include, but are not limited to, any controversy or claim between the Company and the Assured arising out of or relating to this Guarantee, any service of the Company in connection with its issuance or the breach of a Guarantee provision, or to any other controversy or claim arising out of the transaction giving rise to this Guarantee. All arbitrable matters when the amount of liability is Two Million And No/100 Dollars (\$2,000,000) or less shall be arbitrated at the option of either the Company or the Assured. All arbitrable matters when the amount of liability is in excess of Two Million And No/100 Dollars (\$2,000,000) shall be arbitrated only when agreed to by both the Company and the Assured. Arbitration pursuant to this Guarantee and under the Rules shall be binding upon the parties. Judgment upon the award rendered by the Arbitrator(s) may be entered in any court of competent jurisdiction.

12. LIABILITY LIMITED TO THIS GUARANTEE; GUARANTEE ENTIRE CONTRACT

- (a) This Guarantee together with all endorsements, if any, attached hereto by the Company is the entire Guarantee and contract between the Assured and the Company. In interpreting any provision of this Guarantee, this Guarantee shall be construed as a whole.
- (b) Any claim of loss or damage, whether or not based on negligence, or any action asserting such claim, shall be restricted to this Guarantee.
- (c) No amendment of or endorsement to this Guarantee can be made except by a writing endorsed hereon or attached hereto signed by either the President, a Vice President, the Secretary, an Assistant Secretary, or validating officer or authorized signatory of the Company.

13. SEVERABILITY

In the event any provision of this Guarantee, in whole or in part, is held invalid or unenforceable under applicable law, the Guarantee shall be deemed not to include that provision or such part held to be invalid, but all other provisions shall remain in full force and effect.

14. CHOICE OF LAW; FORUM

- (a) Choice of Law: The Assured acknowledges the Company has underwritten the risks covered by this Guarantee and determined the premium charged therefor in reliance upon the law affecting interests in real property and applicable to the interpretation, rights, remedies, or enforcement of Guaranties of the jurisdiction where the Land is located.

Therefore, the court or an arbitrator shall apply the law of the jurisdiction where the Land is located to determine the validity of claims that are adverse to the Assured and to interpret and enforce the terms of this Guarantee. In neither case shall the court or arbitrator apply its conflicts of law principles to determine the applicable law.

- (b) Choice of Forum: Any litigation or other proceeding brought by the Assured against the Company must be filed only in a state or federal court within the United States of America or its territories having appropriate jurisdiction.

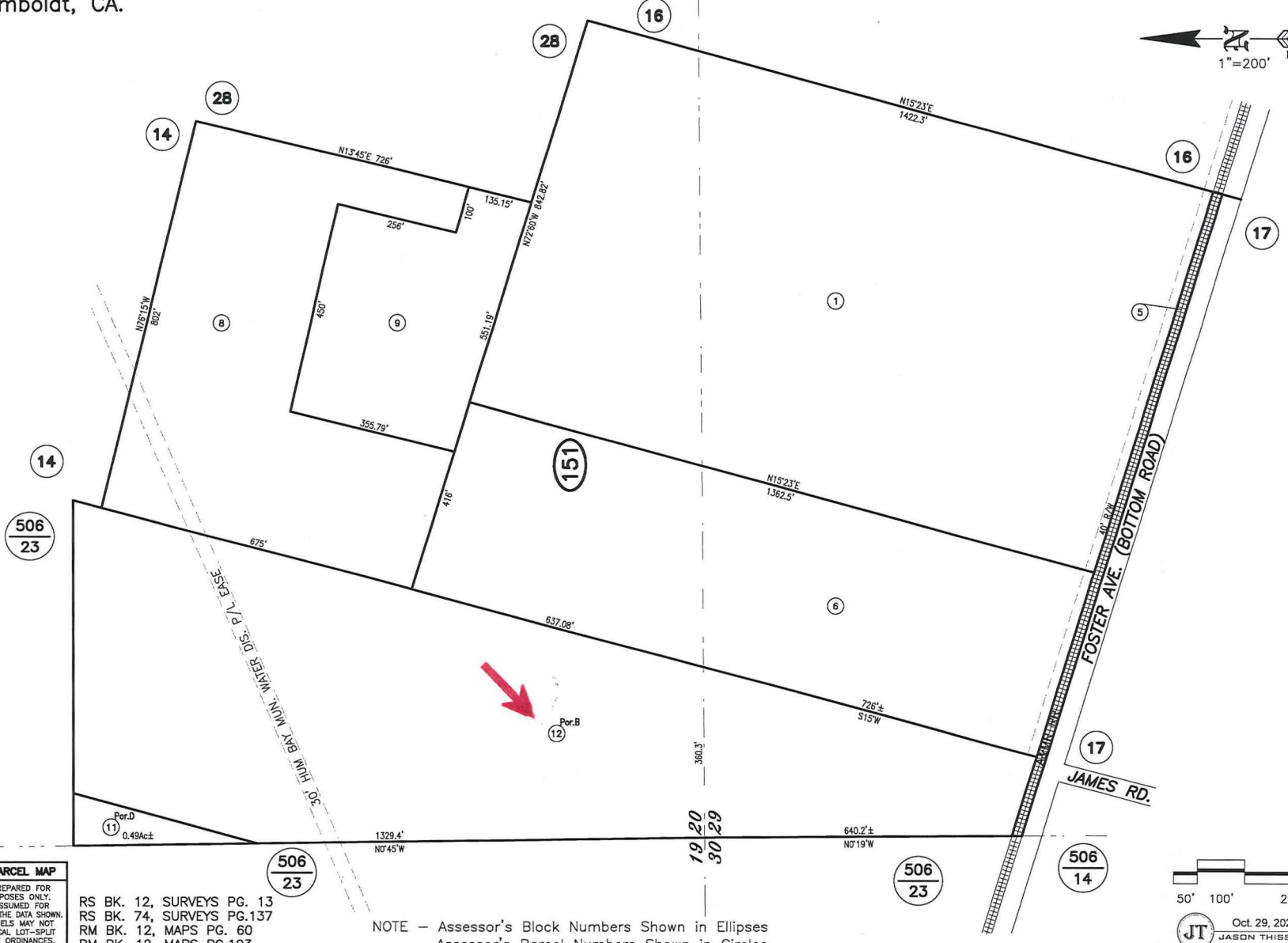
15. NOTICES, WHERE SENT

All notices required to be given the Company and any statement in writing required to be furnished the Company shall include the number of this Guarantee and shall be addressed to the Company at:

Fidelity National Title Insurance Company
P.O. Box 45023
Jacksonville, FL 32232-5023
Attn: Claims Department

END OF CONDITIONS

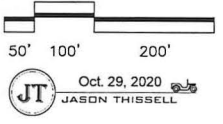
Order: 000000 Comment: Description: Humboldt, CA Assessor Map - Book, Page 505, 15 Page: 1 of 1



ASSESSOR'S PARCEL MAP
1. THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY.
2. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN.
3. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.

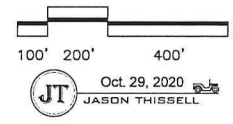
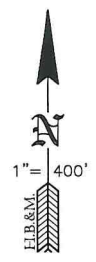
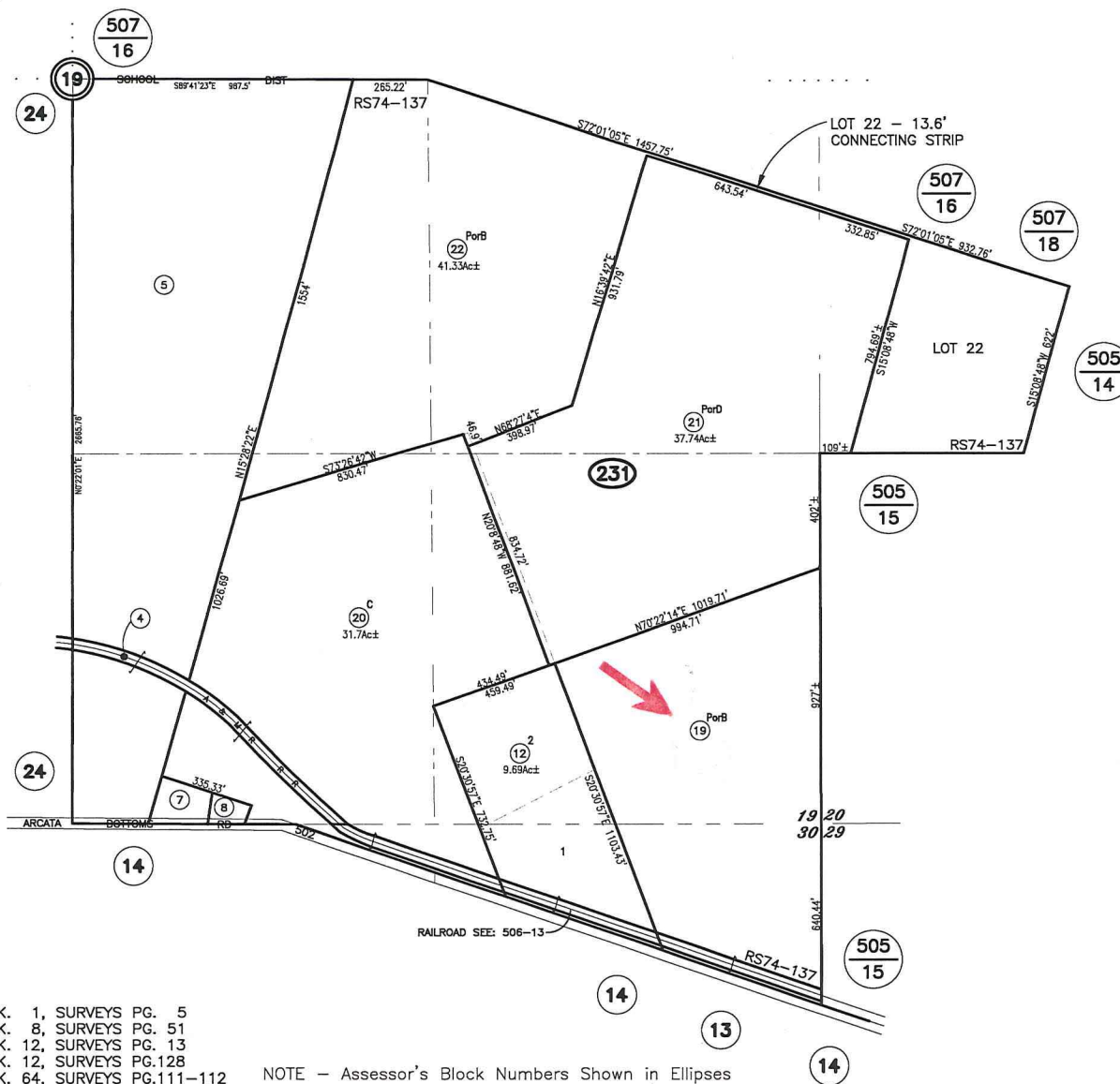
RS BK. 12, SURVEYS PG. 13
RS BK. 74, SURVEYS PG.137
RM BK. 12, MAPS PG. 60
RM BK. 12, MAPS PG.103

NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles.



This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

Description: Humboldt, CA Assessor Map - Book, Page 506.23 Page: 1 of 1
 Order: 000000 Comment:



ASSESSOR'S PARCEL MAP

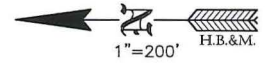
1. THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY.
2. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN.
3. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.

RS BK. 1, SURVEYS PG. 5
 RS BK. 8, SURVEYS PG. 51
 RS BK. 12, SURVEYS PG. 13
 RS BK. 12, SURVEYS PG.128
 RS BK. 64, SURVEYS PG.111-112
 RS BK. 74, SURVEYS PG.137-138

NOTE - Assessor's Block Numbers Shown in Ellipses
 Assessor's Parcel Numbers Shown in Circles.

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Order: 000000 Comment: Description: Humboldt, CA Assessor Map - Book, Page 505, 15 Page: 1 of 1



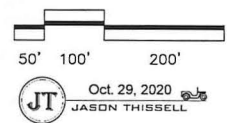
ASSESSOR'S PARCEL MAP

1. THIS MAP WAS PREPARED FOR ASSESSMENT PURPOSES ONLY.
2. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA SHOWN.
3. ASSESSOR'S PARCELS MAY NOT COMPLY WITH LOCAL LOT-SPLIT OR BUILDING SITE ORDINANCES.

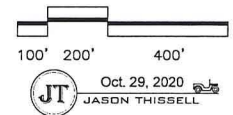
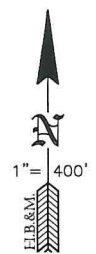
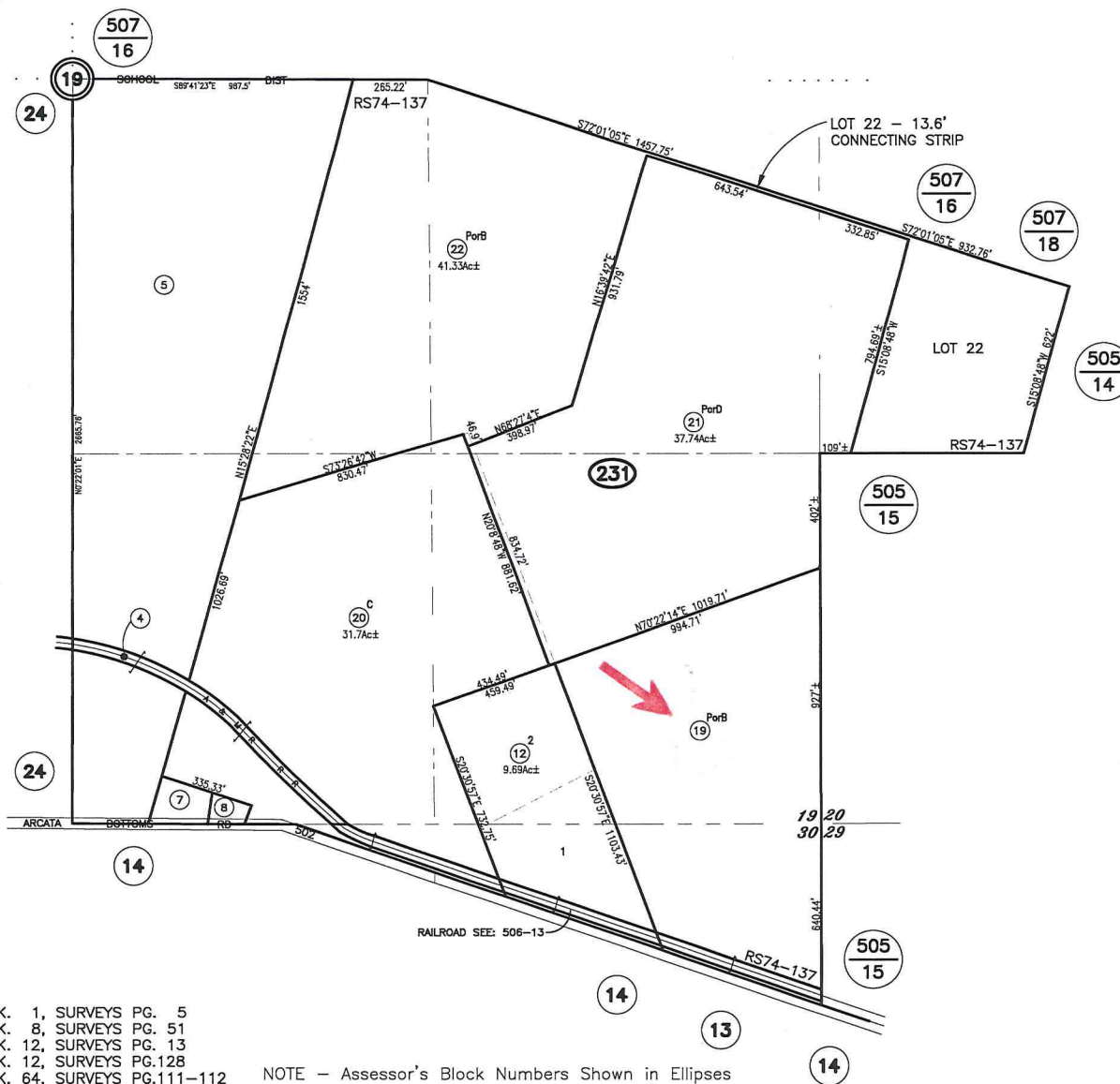
RS BK. 12, SURVEYS PG. 13
 RS BK. 74, SURVEYS PG.137
 RM BK. 12, MAPS PG. 60
 RM BK. 12, MAPS PG.103

NOTE - Assessor's Block Numbers Shown in Ellipses
 Assessor's Parcel Numbers Shown in Circles.

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Description: Humboldt, CA Assessor Map - Book, Page 506.23 Page: 1 of 1
Order: 000000 Comment:



ASSESSOR'S PARCEL MAP

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RS BK. 1, SURVEYS PG. 5
 RS BK. 8, SURVEYS PG. 51
 RS BK. 12, SURVEYS PG. 13
 RS BK. 12, SURVEYS PG.128
 RS BK. 64, SURVEYS PG.111-112
 RS BK. 74, SURVEYS PG.137-138

NOTE - Assessor's Block Numbers Shown in Ellipses
 Assessor's Parcel Numbers Shown in Circles.

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Appendix E:

HISTORICAL RESEARCH DOCUMENTATION



Humboldt Property

Foster Avenue

Arcata, CA 95521

Inquiry Number: 7136660.3

October 03, 2022

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

10/03/22

Site Name:

Humboldt Property
Foster Avenue
Arcata, CA 95521
EDR Inquiry # 7136660.3

Client Name:

Ninyo & Moore
1401 Halyard Drive, Suite 110
West Sacramento, CA 95691
Contact: Luke Swickard



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

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

Certified Sanborn Results:

Certification # 0E27-45CF-9AB2
PO # NA
Project 404399001

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: 0E27-45CF-9AB2

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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Humboldt Property

Foster Avenue

Arcata, CA 95521

Inquiry Number: 7136660.4

October 03, 2022

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

10/03/22

Site Name:

Humboldt Property
Foster Avenue
Arcata, CA 95521
EDR Inquiry # 7136660.4

Client Name:

Ninyo & Moore
1401 Halyard Drive, Suite 110
West Sacramento, CA 95691
Contact: Luke Swickard



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Ninyo & Moore 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.#	NA	Latitude:	40.883786 40° 53' 2" North
Project:	404399001	Longitude:	-124.101191 -124° 6' 4" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	407224.84
		UTM Y Meters:	4526439.91
		Elevation:	27.00' above sea level

Maps Provided:

2018	1933
2015	
2012	
1972	
1959	
1951	
1947	
1942	

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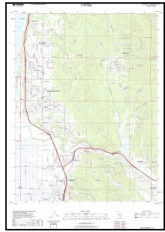
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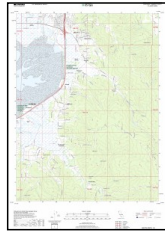
Topo Sheet Key

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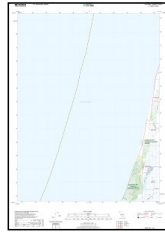
2018 Source Sheets



Arcata North
2018
7.5-minute, 24000



Arcata South
2018
7.5-minute, 24000

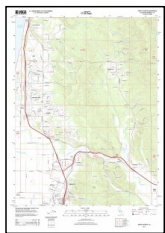


Tyee City
2018
7.5-minute, 24000

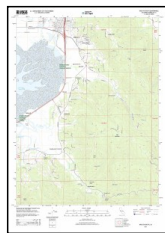


Eureka
2018
7.5-minute, 24000

2015 Source Sheets



Arcata North
2015
7.5-minute, 24000



Arcata South
2015
7.5-minute, 24000

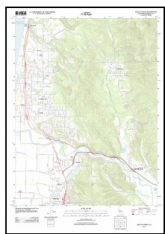


Tyee City
2015
7.5-minute, 24000

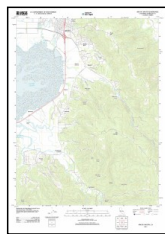


Eureka
2015
7.5-minute, 24000

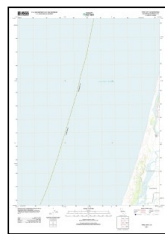
2012 Source Sheets



Arcata North
2012
7.5-minute, 24000



Arcata South
2012
7.5-minute, 24000



Tyee City
2012
7.5-minute, 24000



Eureka
2012
7.5-minute, 24000

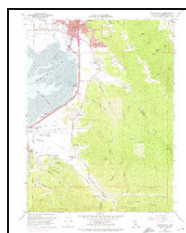
1972 Source Sheets



Arcata North
1972
7.5-minute, 24000
Aerial Photo Revised 1970



Eureka
1972
7.5-minute, 24000
Aerial Photo Revised 1972



Arcata South
1972
7.5-minute, 24000
Aerial Photo Revised 1972

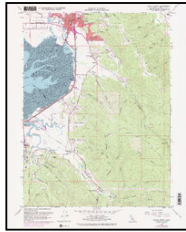
Topo Sheet Key

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

1959 Source Sheets



Arcata North
1959
7.5-minute, 24000
Aerial Photo Revised 1956



Arcata South
1959
7.5-minute, 24000
Aerial Photo Revised 1956

1951 Source Sheets



Eureka
1951
15-minute, 62500

1947 Source Sheets



EUREKA
1947
15-minute, 62500

1942 Source Sheets



Eureka
1942
15-minute, 62500

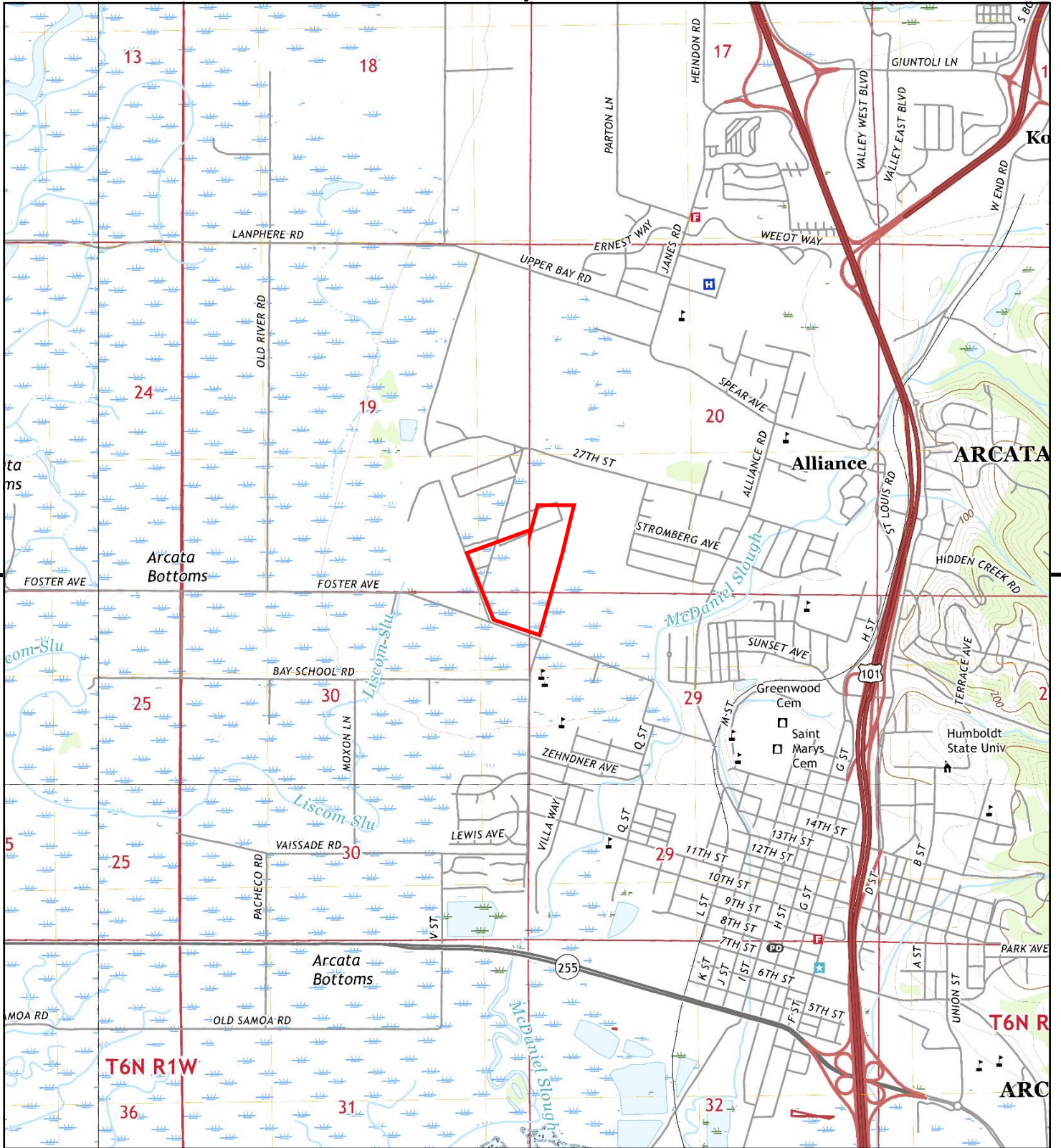
Topo Sheet Key

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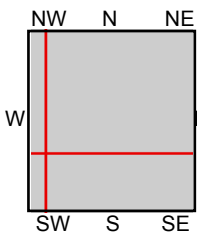
1933 Source Sheets



Eureka
1933
15-minute, 48000



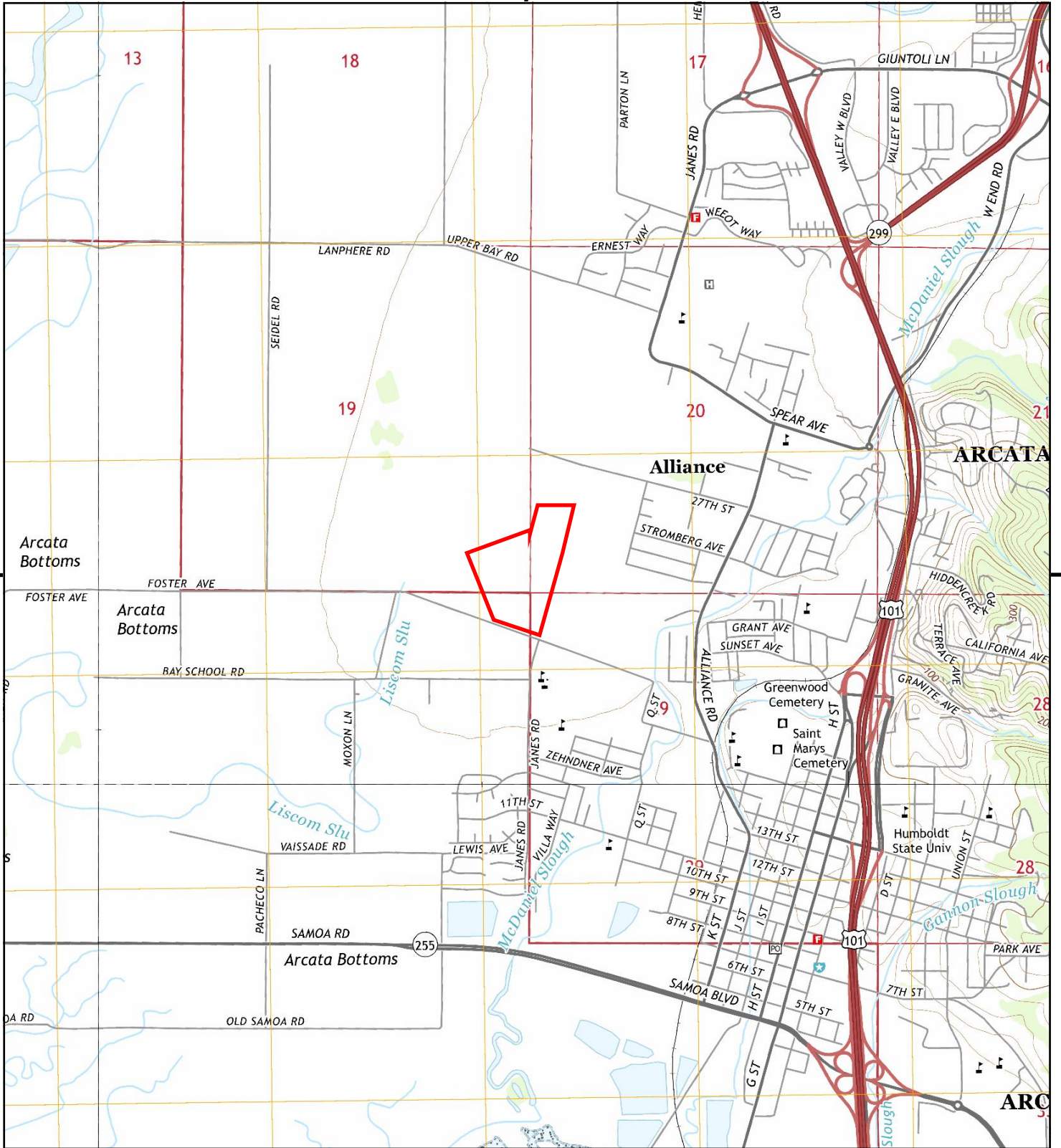
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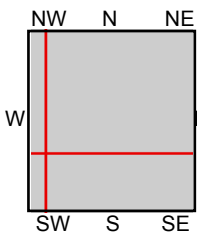
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 S, Arcata South, 2018, 7.5-minute
 SW, Eureka, 2018, 7.5-minute
 NW, Tyee City, 2018, 7.5-minute

SITE NAME: Humboldt Property
ADDRESS: Foster Avenue
 Arcata, CA 95521
CLIENT: Ninyo & Moore





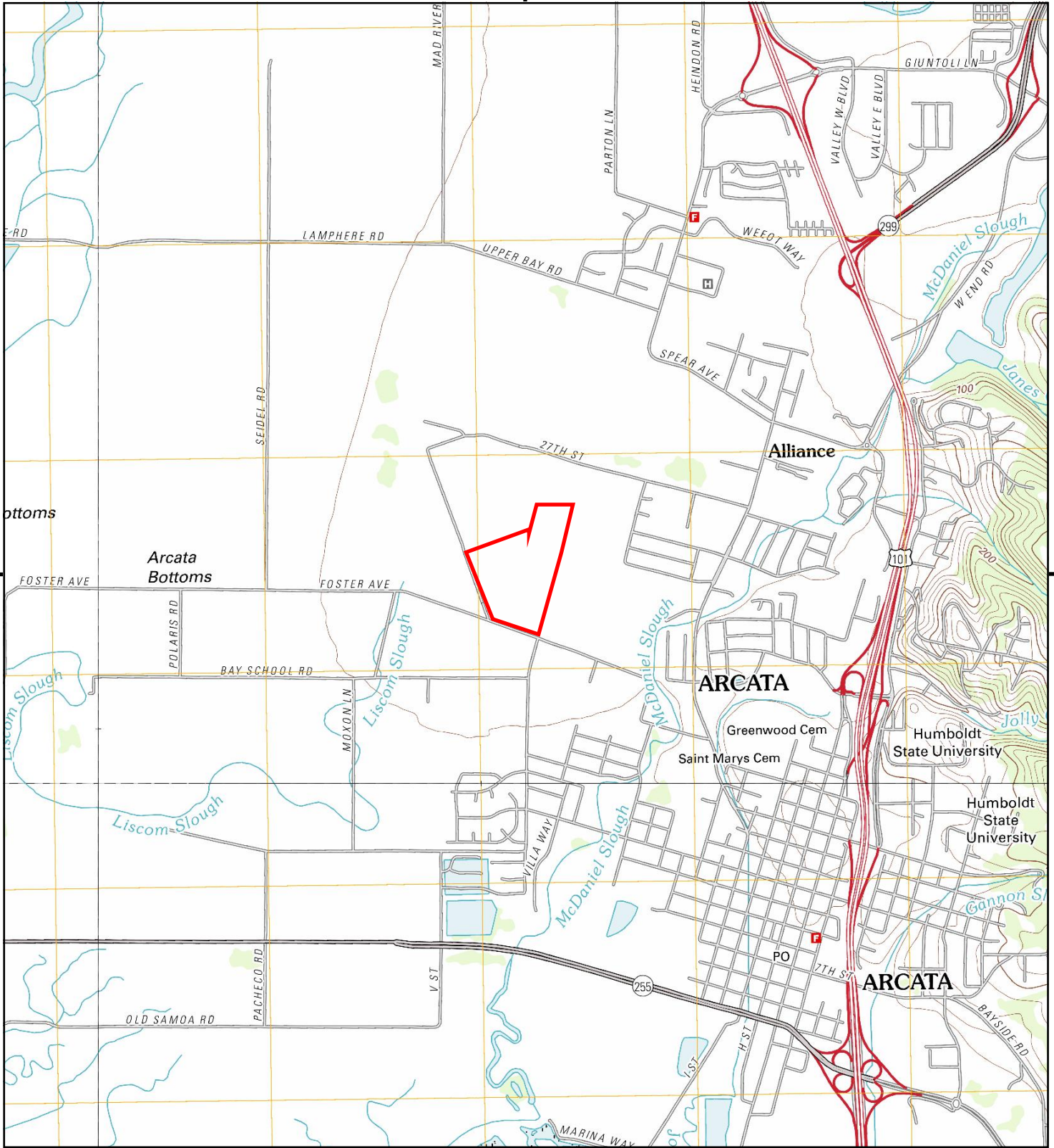
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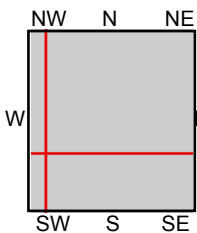
TP, Arcata North, 2015, 7.5-minute
 S, Arcata South, 2015, 7.5-minute
 SW, Eureka, 2015, 7.5-minute
 NW, Ytee City, 2015, 7.5-minute

SITE NAME: Humboldt Property
ADDRESS: Foster Avenue
 Arcata, CA 95521
CLIENT: Ninyo & Moore





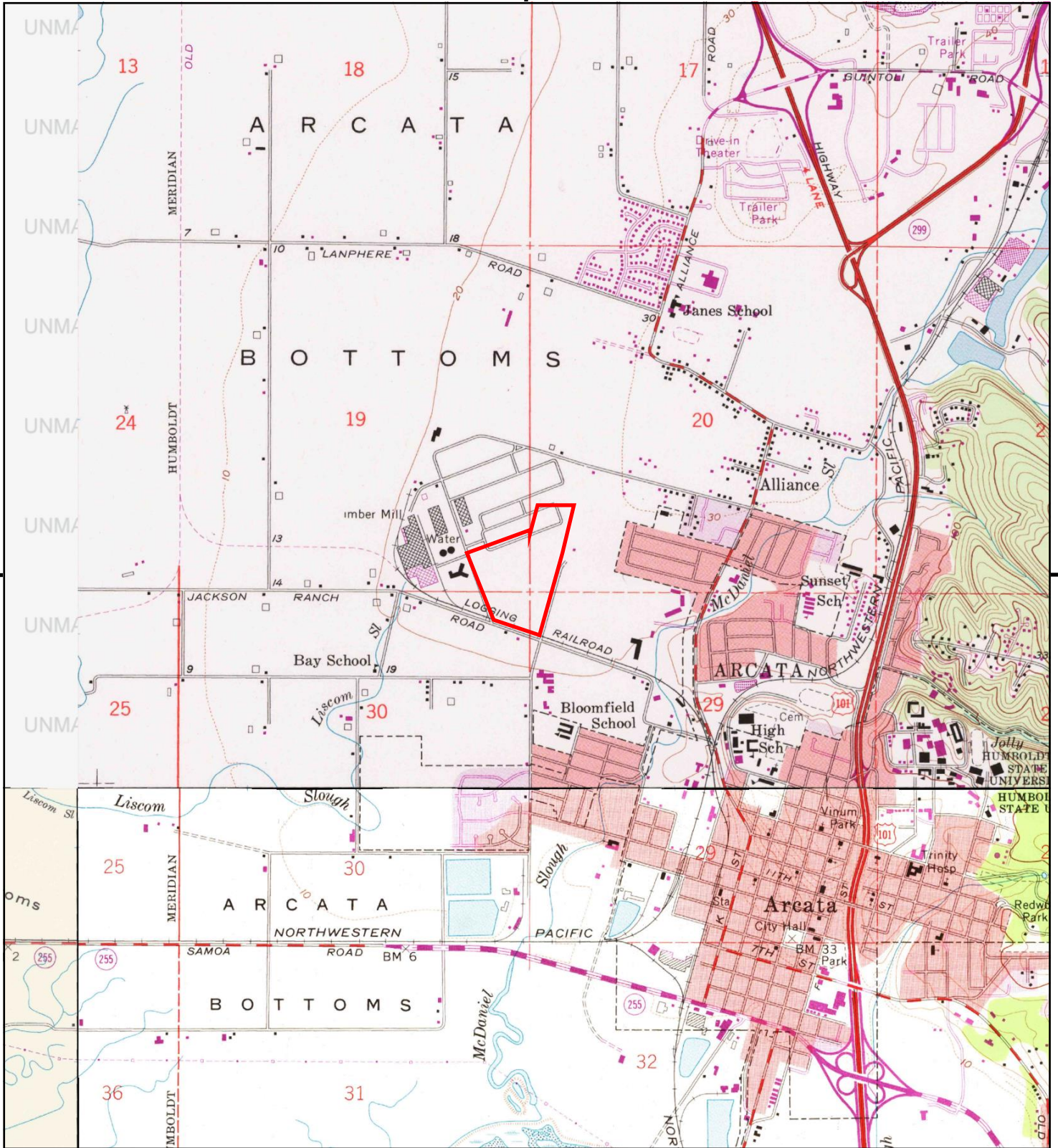
This report includes information from the following map sheet(s).



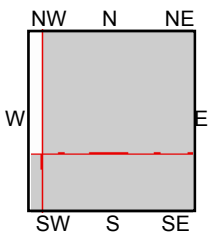
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 S, Arcata South, 2012, 7.5-minute
 SW, Eureka, 2012, 7.5-minute
 NW, Ytee City, 2012, 7.5-minute

SITE NAME: Humboldt Property
ADDRESS: Foster Avenue
 Arcata, CA 95521
CLIENT: Ninyo & Moore





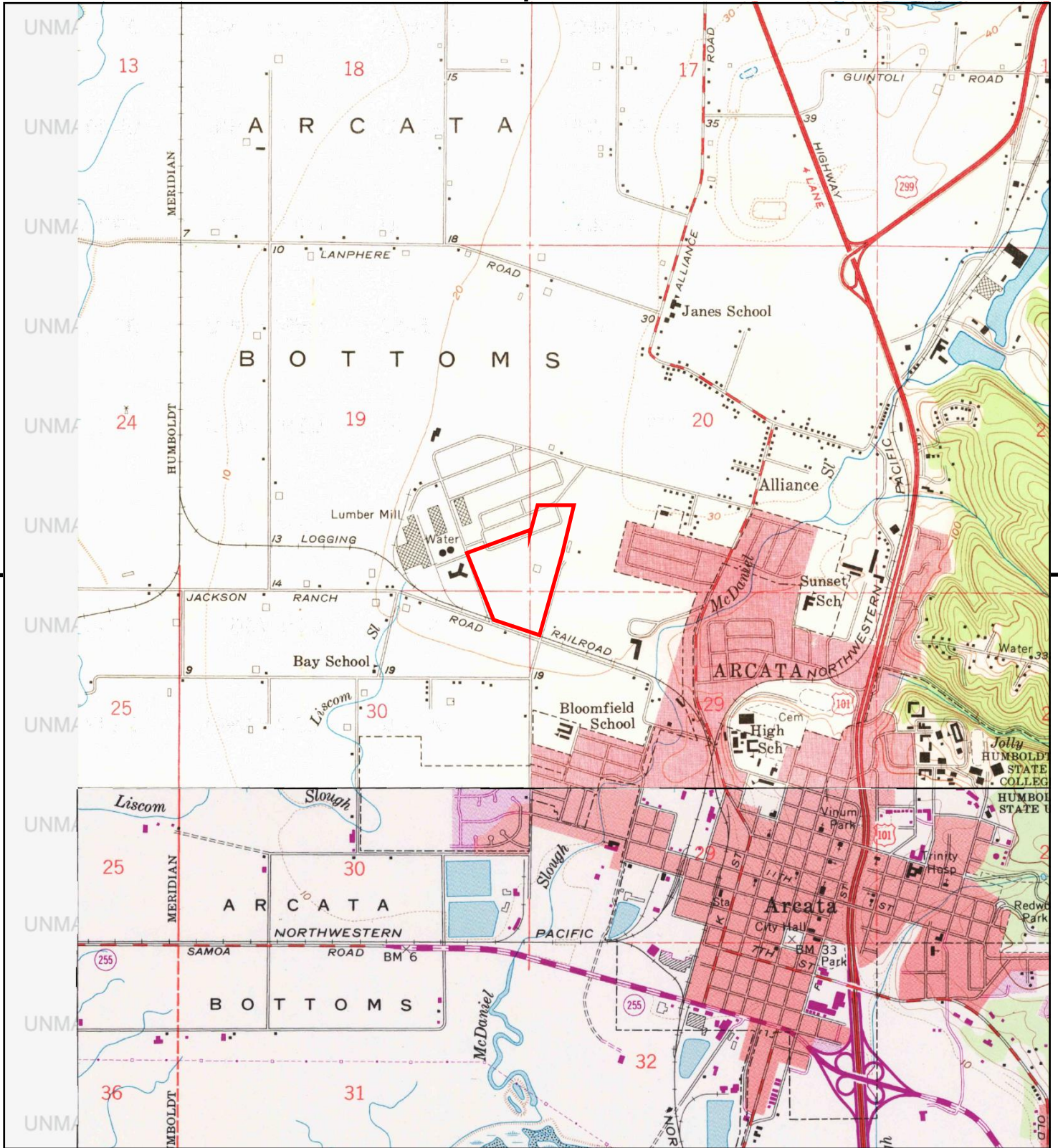
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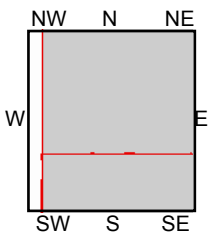
TP, Arcata North, 1972, 7.5-minute
 S, Arcata South, 1972, 7.5-minute
 SW, Eureka, 1972, 7.5-minute

SITE NAME: Humboldt Property
ADDRESS: Foster Avenue
 Arcata, CA 95521
CLIENT: Ninyo & Moore





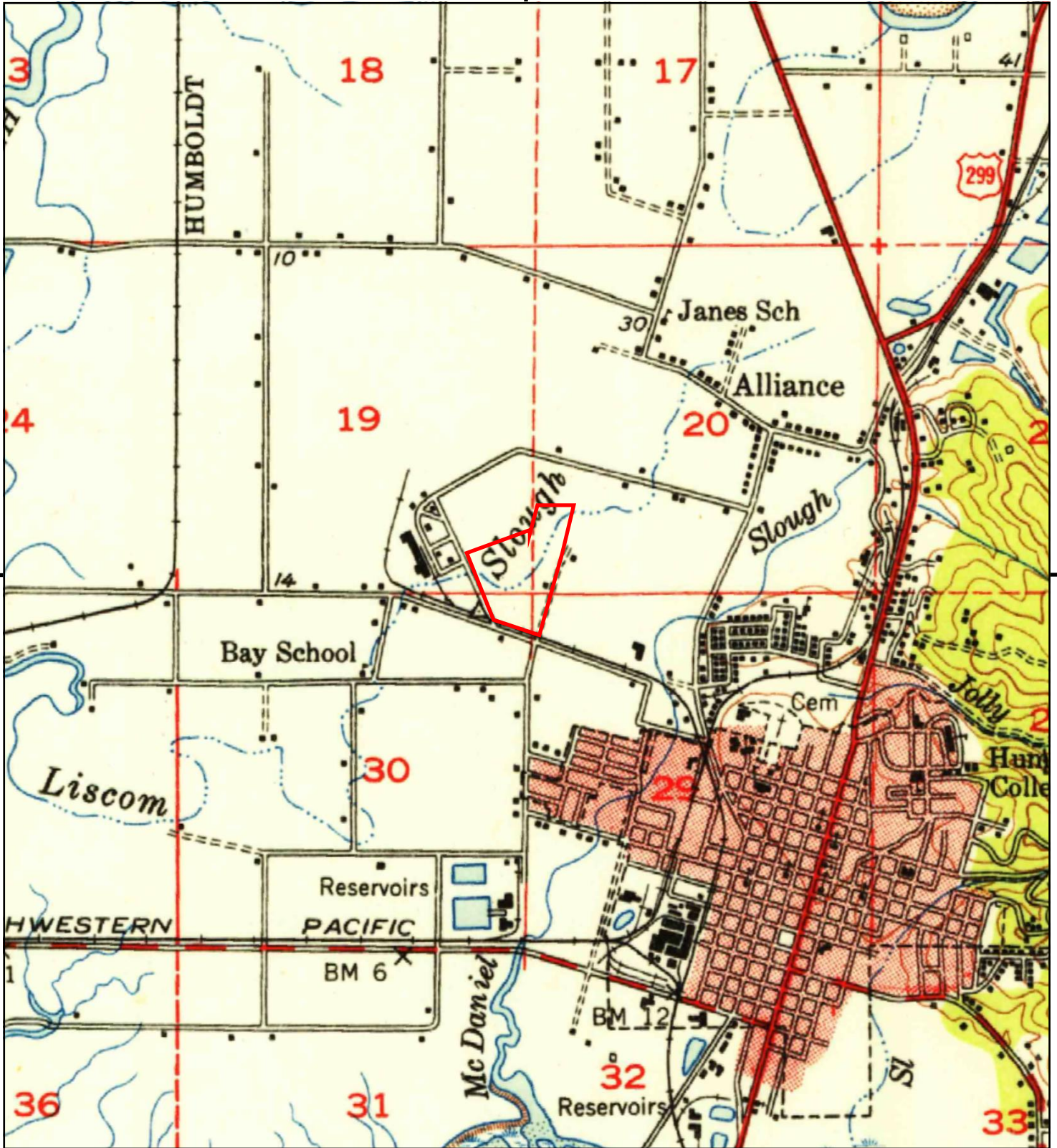
This report includes information from the following map sheet(s).



TP, Arcata North, 1959, 7.5-minute
S, Arcata South, 1959, 7.5-minute

SITE NAME: Humboldt Property
ADDRESS: Foster Avenue
Arcata, CA 95521
CLIENT: Ninyo & Moore





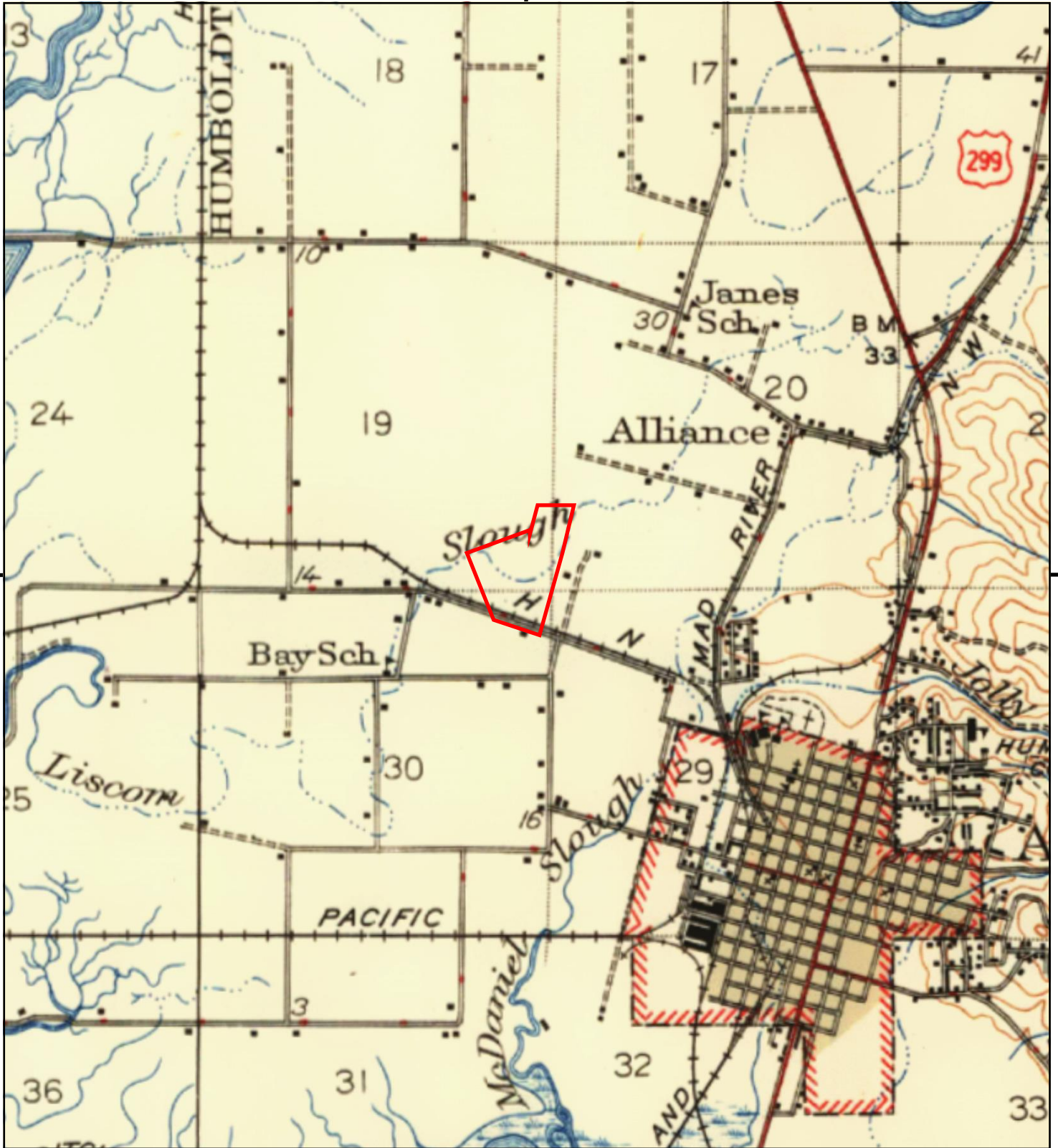
This report includes information from the following map sheet(s).



TP, Eureka, 1951, 15-minute

SITE NAME: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata, CA 95521
 CLIENT: Ninyo & Moore





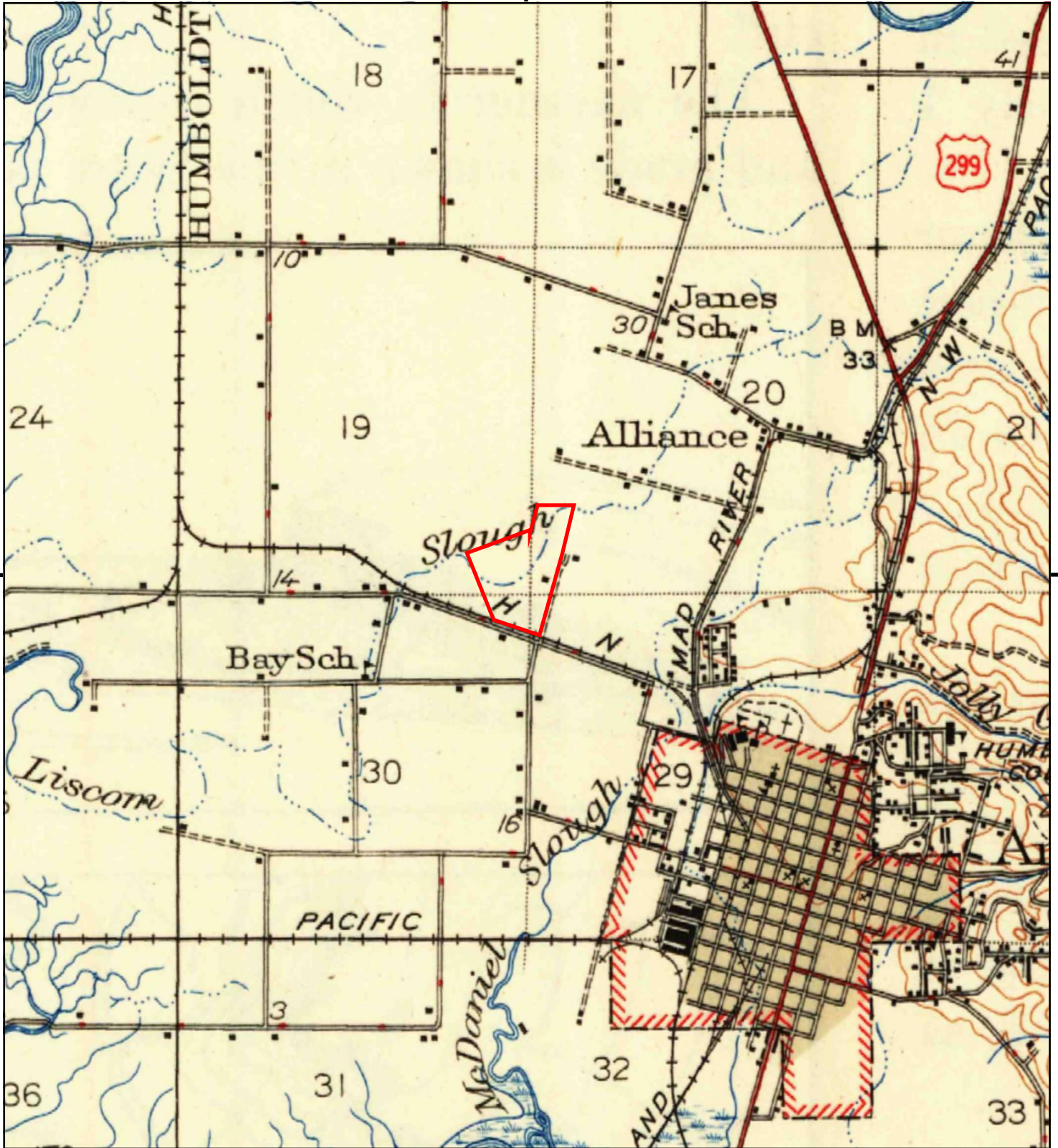
This report includes information from the following map sheet(s).



TP, EUREKA, 1947, 15-minute

SITE NAME: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata, CA 95521
 CLIENT: Ninyo & Moore





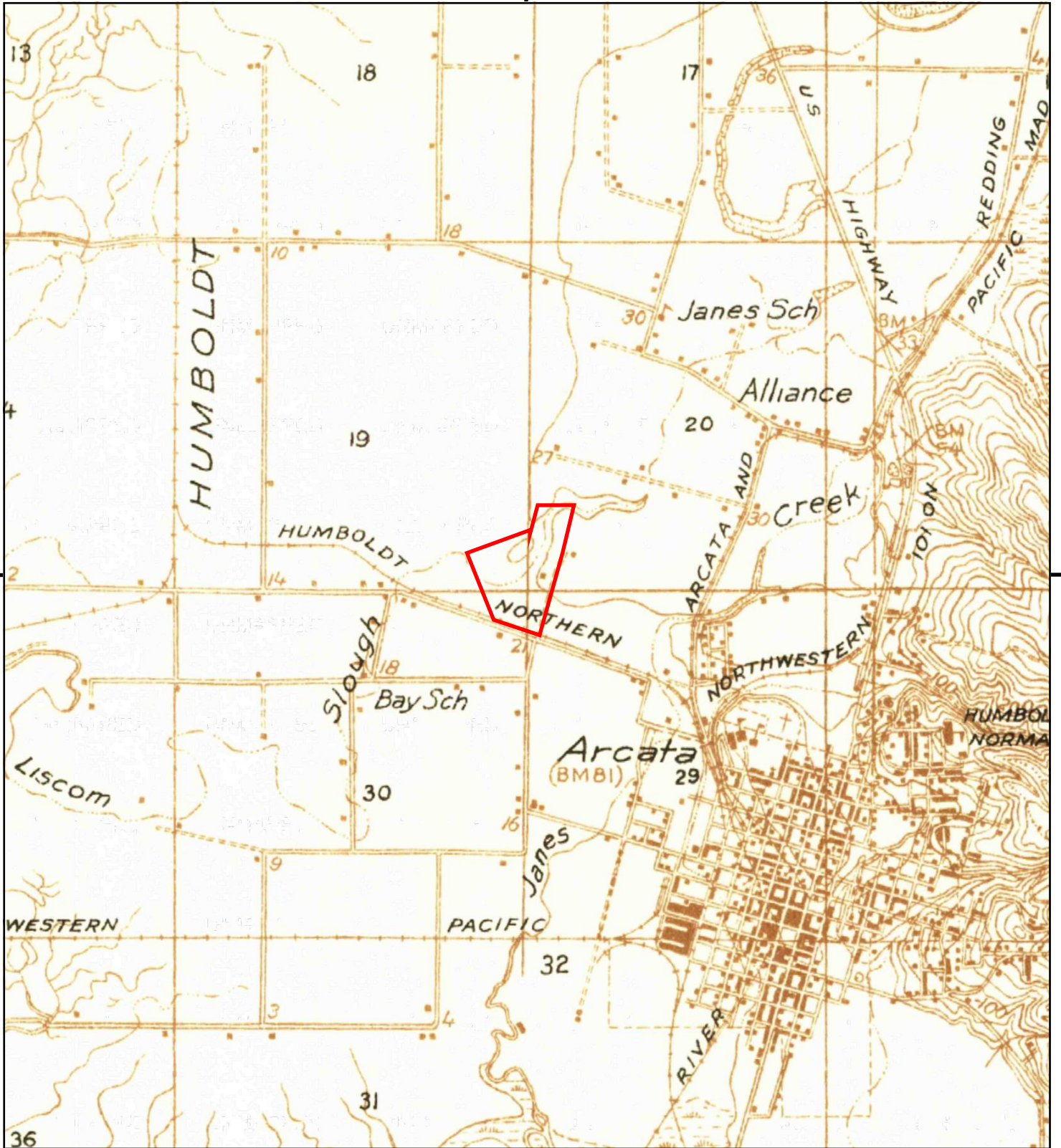
This report includes information from the following map sheet(s).



TP, Eureka, 1942, 15-minute

SITE NAME: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata, CA 95521
 CLIENT: Ninyo & Moore





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



TP, Eureka, 1933, 15-minute

SITE NAME: Humboldt Property
 ADDRESS: Foster Avenue
 Arcata, CA 95521
 CLIENT: Ninyo & Moore





Humboldt Property

Foster Avenue

Arcata, CA 95521

Inquiry Number: 7136660.8

October 04, 2022

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

10/04/22

Site Name:

Humboldt Property
Foster Avenue
Arcata, CA 95521
EDR Inquiry # 7136660.8

Client Name:

Ninyo & Moore
1401 Halyard Drive, Suite 110
West Sacramento, CA 95691
Contact: Luke Swickard



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>
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2005	1"=500'	Flight Year: 2005	USDA/NAIP
1989	1"=500'	Acquisition Date: April 28, 1989	USGS/DOQQ
1983	1"=500'	Flight Date: August 15, 1983	USDA
1974	1"=500'	Flight Date: January 28, 1974	USGS
1972	1"=500'	Flight Date: July 15, 1972	USGS
1969	1"=500'	Flight Date: January 01, 1969	CH2MHill
1957	1"=500'	Flight Date: June 06, 1957	USGS
1954	1"=500'	Flight Date: August 03, 1954	USDA
1941	1"=500'	Flight Date: November 23, 1941	USDA

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INQUIRY #: 7136660.8

YEAR: 2016

— = 500'





INQUIRY #: 7136660.8

YEAR: 2012

— = 500'



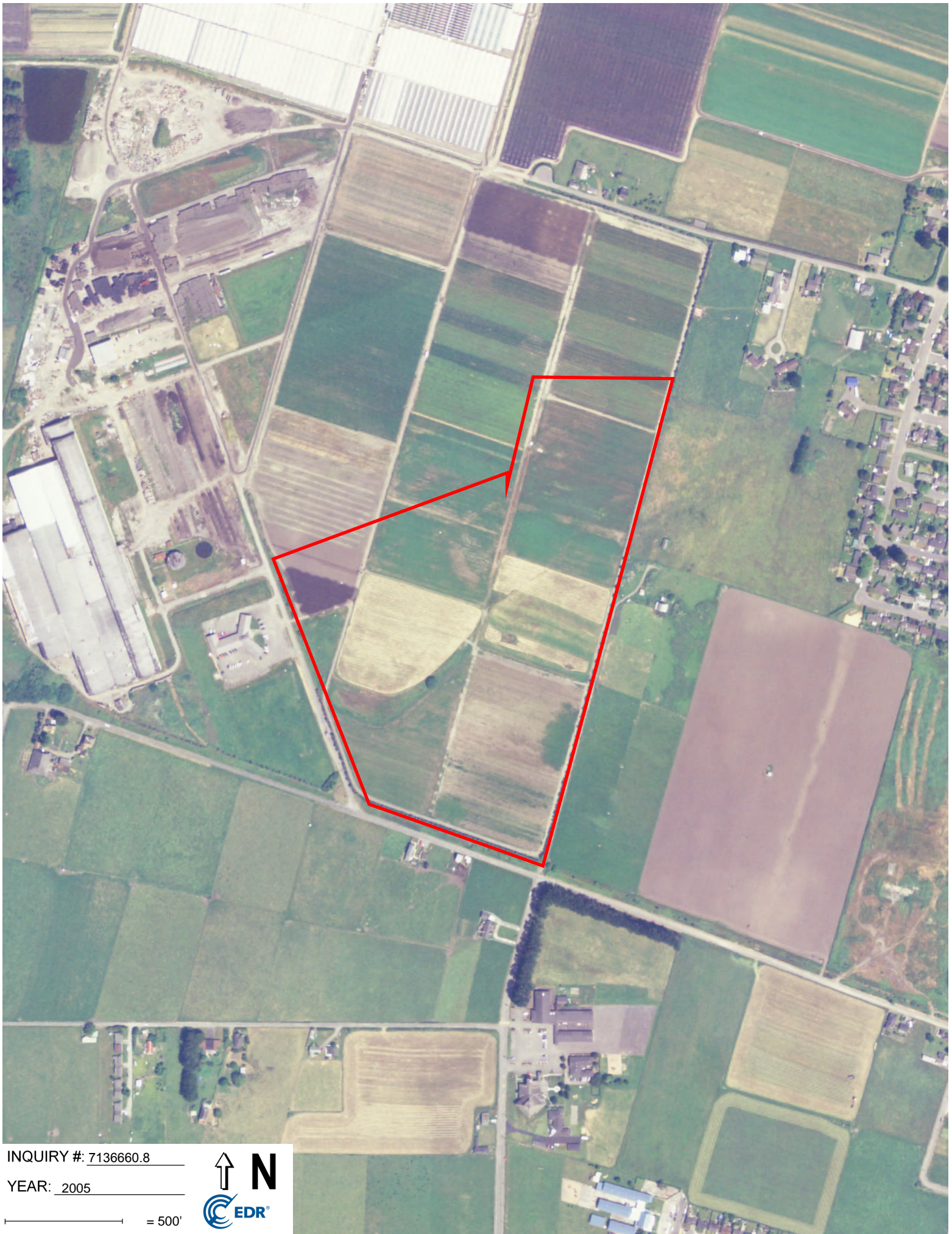


INQUIRY #: 7136660.8

YEAR: 2009

— = 500'



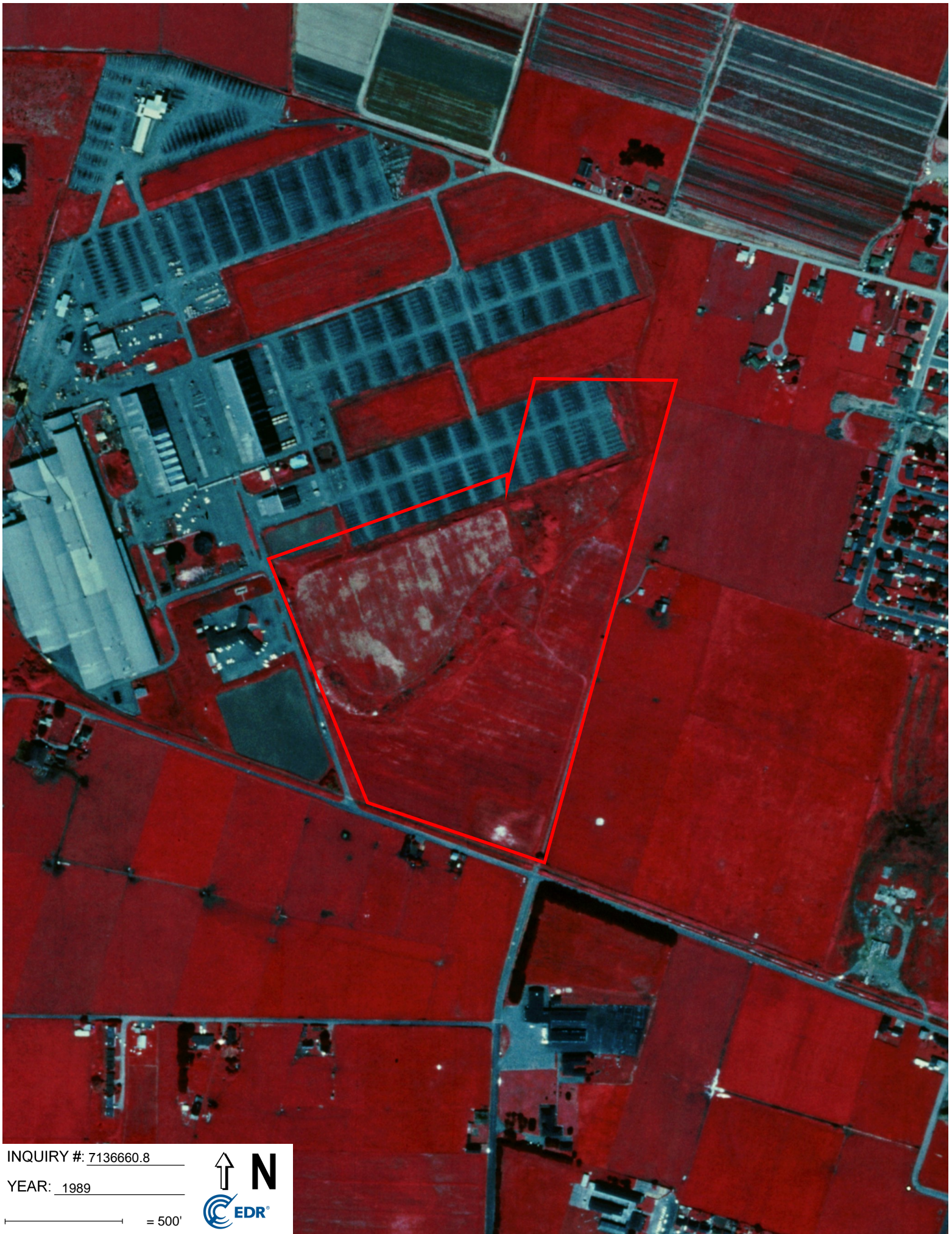


INQUIRY #: 7136660.8

YEAR: 2005

— = 500'





INQUIRY #: 7136660.8

YEAR: 1989

— = 500'





INQUIRY #: 7136660.8

YEAR: 1983

— = 500'



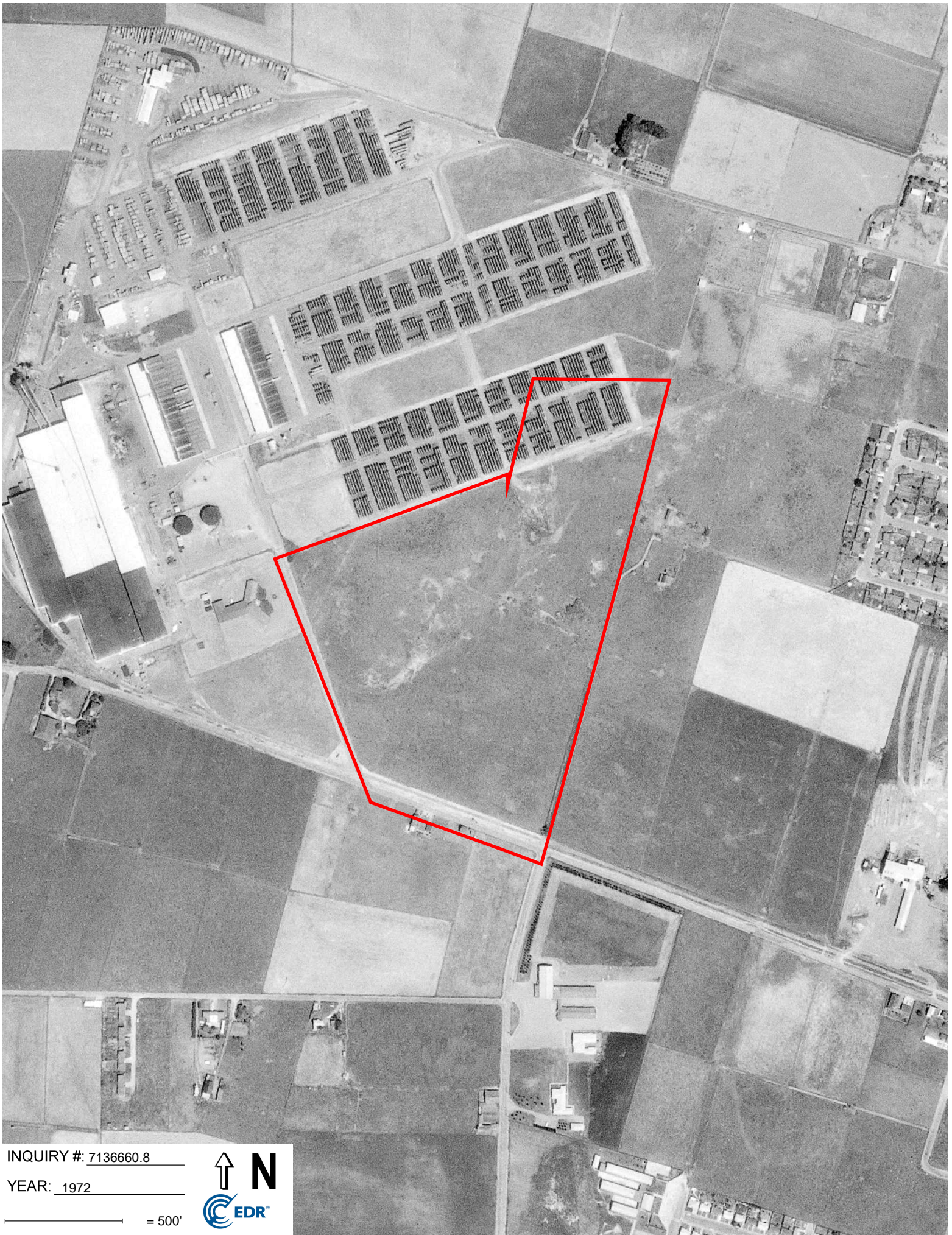


INQUIRY #: 7136660.8

YEAR: 1974

— = 500'





INQUIRY #: 7136660.8

YEAR: 1972

— = 500'





INQUIRY #: 7136660.8

YEAR: 1969

_____ = 500'



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

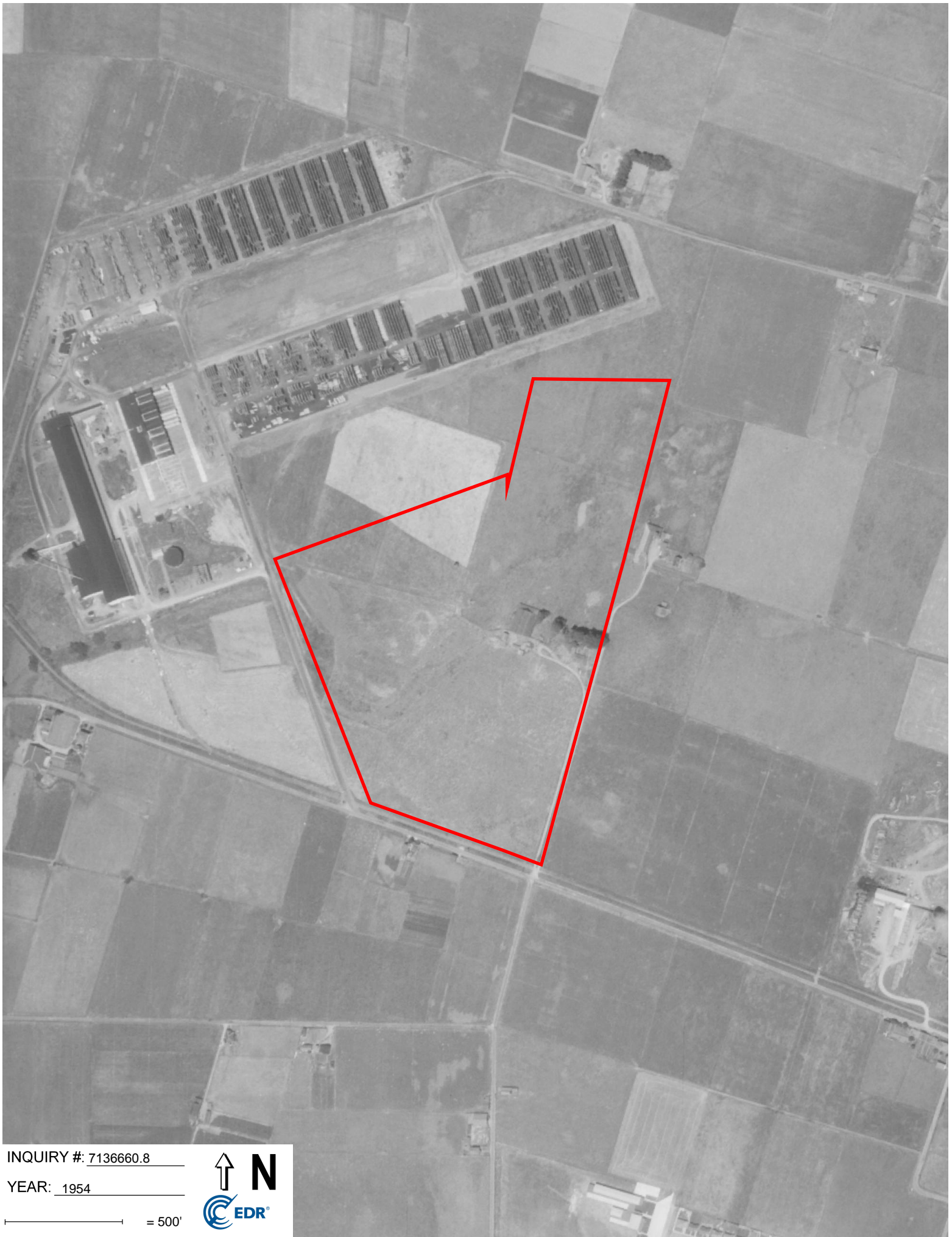


INQUIRY #: 7136660.8

YEAR: 1957

— = 500'



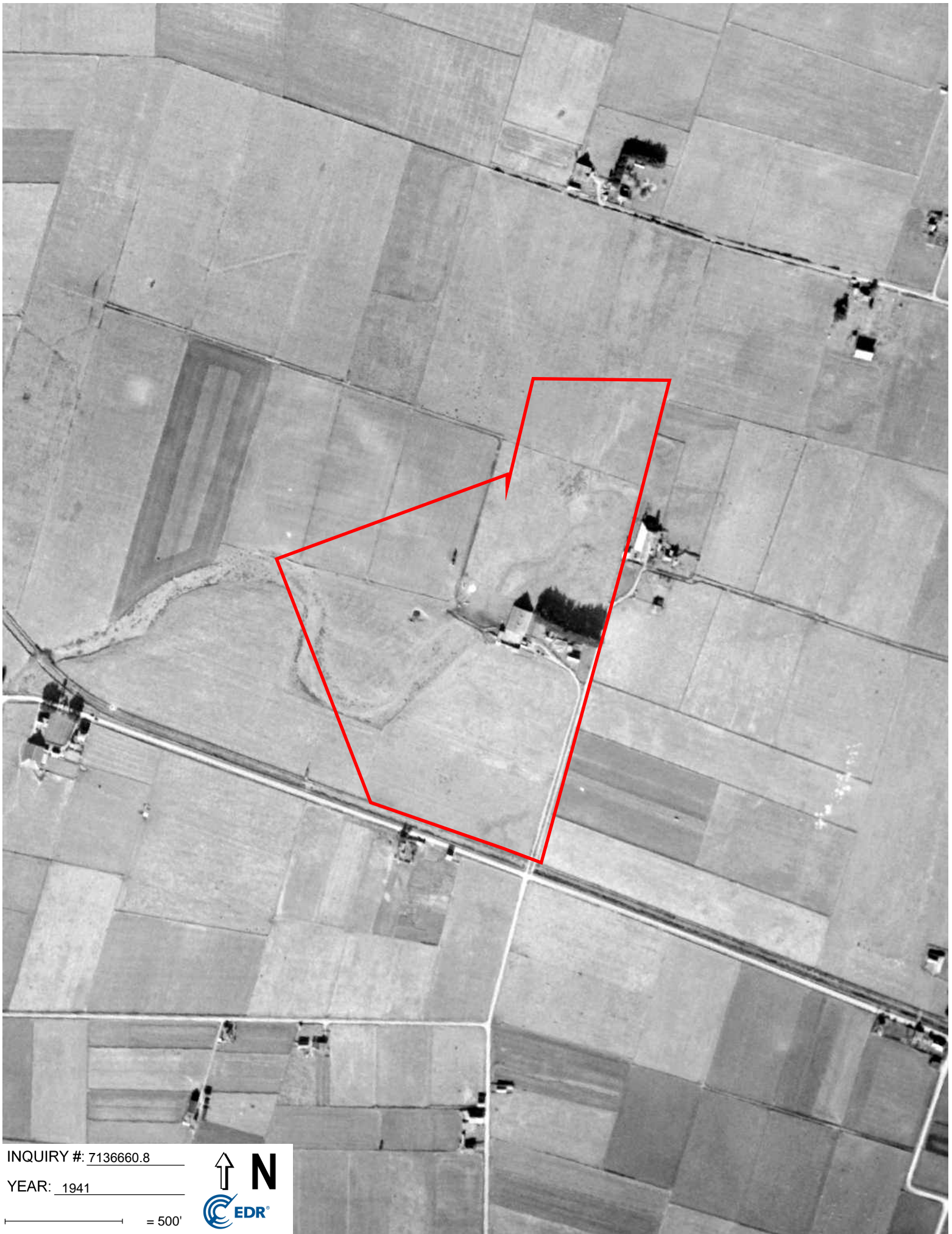


INQUIRY #: 7136660.8

YEAR: 1954

 = 500'





INQUIRY #: 7136660.8

YEAR: 1941

— = 500'



Humboldt Property

Foster Avenue
Arcata, CA 95521

Inquiry Number: 7136660.5

October 05, 2022

The EDR-City Directory Image Report

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City Directory Images

Thank you for your business.

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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 city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive 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>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1982	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1977	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1972	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1968	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1964	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1961	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO
1958	<input checked="" type="checkbox"/>	<input type="checkbox"/>	POLK DIRECTORY CO

EXECUTIVE SUMMARY

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
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FINDINGS

TARGET PROPERTY STREET

Foster Avenue
Arcata, CA 95521

<u>Year</u>	<u>CD Image</u>	<u>Source</u>
-------------	-----------------	---------------

FOSTER AVE

2017	pg A1	EDR Digital Archive
2014	pg A2	EDR Digital Archive
2010	pg A3	EDR Digital Archive
2005	pg A4	EDR Digital Archive
2000	pg A6	EDR Digital Archive
1995	pg A7	EDR Digital Archive
1992	pg A8	EDR Digital Archive
1982	pg A9	POLK DIRECTORY CO
1977	pg A10	POLK DIRECTORY CO
1977	pg A11	POLK DIRECTORY CO
1972	pg A12	POLK DIRECTORY CO
1968	pg A13	POLK DIRECTORY CO
1964	pg A14	POLK DIRECTORY CO
1961	pg A15	POLK DIRECTORY CO
1961	pg A16	POLK DIRECTORY CO
1958	pg A17	POLK DIRECTORY CO

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

FOSTER AVE 2017

1390 MCGAHA, KELLY A
1396 GROESCHEN, JESSIE S
1404 BOGER, MICHAEL F
HAAS, KASEY L
TOWLE, SKYLER D
WARD, LOGAN
1538 SEIBEL, DANIEL L
1540 CARR, KATIE M
1550 DAVIS, RICHARD M
1609 GOFF, JESSICA A
IANNACONE, LAUREN
1633 CHATTON, C
MARTIN, ALEXANDER T
1641 BOTHMAN, JEFFREY N
NOLAN, KIMBERLY M
PULIDO, JULIAN
1660 STANOWSKI, MICHAEL R
1665 BALLANCE, JOSH
GRUSSENMEYER, DAVID
QUIST, MICHAEL A
1983 NIELSEN, DON A
2665 PACHECO, NOEMI
2700 CARLSON WIRELESS TECHNOLOGIES INC
3067 ASHLEE, PRIMOSIORE
3125 PARGEE, GREG
3212 FAIR INDIGO
3266 JOWAISAS, CHRIS
3318 ABC INDOOR RV STORAGE LLC
ARCATA LAND CO LLC
SIERRA MADRE MUSHROOMS INC
3364 MASON, JOHN W
3418 LOPEZ, JOSE
3422 MASON, JACK W
3805 FALL, RAGAN

FOSTER AVE 2014

1382 ARTAIZ, NICHOLAS A
 JOHNSON, CHAD
 1386 OCCUPANT UNKNOWN,
 1390 BONNY, HILL
 1396 KIEFER, SARAH M
 1398 GROESCHEN, JESSIE S
 1404 BOGER, MICHAEL F
 HAAS, KASEY L
 PACE, SIMONE
 REID, KEITH
 SCOTT-JONES, BRANDON L
 TOWLE, SKYLER D
 1538 ORLIKOFF, LEE
 1540 CARR, KATIE M
 OCCUPANT UNKNOWN,
 1550 DAVIS, RICHARD M
 1609 GOFF, JESSICA
 NELSON, CASSANDRA
 1633 GLEDHILL, MICHELLE
 STOJANOVICH, CHRISTINA E
 1641 MARTINEZ, ALICIA
 PEISHEL, BRITTANY L
 PULIDO, JULIAN
 SIMI, JOSEPH J
 1660 KIRSKEN, ALISON M
 SHARP, CLAIRE E
 STANOWSKI, MICHAEL R
 1665 BALLANCE, JOSH
 ERIBEZ, AMANDA
 QUIST, MICHAEL A
 SILVA, VANESSA
 1983 NIELSEN, DON A
 2665 ANDERSON, CHARLES K
 CONBOY, SARAH E
 2700 CARLSON WIRELESS TECHNOLOGIES INC
 3067 AVILA, LANCE R
 JOHNSON, ELIZABETH
 3125 ORTEGON, AMELIA
 3212 FAIR, RAMONA M
 3266 WILDHARBER, TIFFANY
 3318 ARCATA LAND CO LLC
 SIERRA MADRE MUSHROOMS INC
 3364 MASON, JOHN W
 3422 MASON, JACK W
 4203 SALLADY, TIMOTHY E

FOSTER AVE 2010

1382 OCCUPANT UNKNOWN,
1386 HEIDRICK, MICHAEL T
1390 HEIDRICK, MICHAEL T
1398 GROESCHEN, JESSIE
1404 CAMBELL, RYAN
PHILLIPS, PATRICK O
1538 ARCATA INTERFAITH GOSPEL CHOIR
ORLIKOFF, LEE
1540 OCCUPANT UNKNOWN,
1550 DAVIS, RICHARD M
1609 CHIMES, JESSICA L
INMAN, KAREN
JEPSON, MORGAN
LAMET, LAUREN
NUTH, TARA
SEMMELINK, SCOTT
SISKE, ASHLEE
1633 CHATTON, C
FERRO, MARK
GLEDHILL, MICHELLE
TAYLOR, CLARENCE
1641 KOELLING, MATTHEW J
KOORS, THOMAS
1660 EURS, VALERIE J
NEWKIRK, ALISON M
STANOWSKI, MICHAEL R
1665 HERMAN, JENNIFER
HOBSON, WILLIAM A
MCBROOME, DAVID
NELSON, RACHEL
RAIMEY, KEVIN J
WALLACE, BLAIR
1983 NIELSEN, DON A
2665 HOLLISTER, B
JOSEPH, STEPHANIE
3067 AVILA, LANCE R
3125 OCCUPANT UNKNOWN,
3266 OCCUPANT UNKNOWN,
3318 ABC INDOOR RV STORAGE LLC
ARCATA LAND CO
3364 MASON, JOHN W
3422 MASON, JACK W
3805 ENGLE, NANCY L
4203 SALLADY, TIMOTHY E

FOSTER AVE 2005

1382 OCCUPANT UNKNOWN,
 1386 HEIDRICK, MICHAEL T
 LANE OUTSIDE PRINT SHOP
 1390 HEIDRICK, MICHAEL T
 1396 RUYLE, JENIFER
 1398 OCCUPANT UNKNOWN,
 1404 DORA, JESSICA
 DUCKER, ETHAN
 FURNISS, AMY
 GARRISON, GREG
 HENDERSON, DAVID K
 JONES, JULIE
 KILEY, EMMA
 MORRIS, RACHAEL
 ROOT, JOHN
 SALAZAR, ALEXANDRA
 SANFORD, WILLIAM
 SHORTHOUSE, MATTHEW
 WILLIAMS, LEAH
 1538 ARCATA INTERFAITH GOSPEL CHOIR
 CONROY, EDWARD M
 1540 OCCUPANT UNKNOWN,
 STOLL, PETER C
 1550 CLEMENTS, ERICKA L
 1609 AW-YANG, PETER
 EBBERT, S
 GLASSER, ERIN
 HENSON, CRYSTAL
 MERZ, KATHRYN A
 RABIDEAU, DAVID D
 SEMMELINK, SCOTT
 YOUDELL, DAVID
 1633 COJOCNEAN, STEPHANIE
 MAGRUDER, JENNA
 SMITH, KRISTIN
 TURCIOS, DANIA
 1641 COBB, ALICIA
 DEVILLIERS, ANDRE
 HOLCOMB, SARA M
 MORGAN PHOTOGRAPHY
 SIMI, JOSEPH
 TITTMANN, PAUL T
 1660 LASTRA, CHRISTINA M
 1665 CAGIGAS, PAUL
 KLEINHEKSEL, LORI A
 MCALPIN, LEAH
 NELSON, RACHEL
 RAIMEY, KEVIN J
 SORENSEN, JOAN P
 WALLACE, BLAIR

FOSTER AVE 2005 (Cont'd)

1983	NIELSEN, DON A
2665	JOWERS, ASHLEY
3067	GIBSON, BROOKE
	OCCUPANT UNKNOWN,
3212	FAIR, RAMONA
3318	ARCATA LAND CO LLC
	SUN VALLEY FLORAL FARMS
	SUN VALLEY GROUP
3364	MASON, JOHN W
3422	MASON JOHN
	MASON, JACK W
3805	BRADY, BRUCE W
4203	SALLADY, TIMOTHY E

FOSTER AVE 2000

1386 OUTSIDE LANE PRINT SHOP THE
1390 PIERSON, CHARLES R
1396 OCCUPANT UNKNOWN,
1398 OCCUPANT UNKNOWN,
1404 HENDERSON, DAVID K
MASTEL, RYAN J
WAXMAN, KEVIN M
1538 OCCUPANT UNKNOWN,
1540 BEAULIEU, DANIEL L
1550 OCCUPANT UNKNOWN,
1609 AW-YANG, PETER
CARPENTER, CASSIE N
DILLON, JEROMY F
GERHARDT, GRETA
LAWLESS, RODGER
YANG, PETER F
1633 COLLINS, ANDREA T
LETALIEN, J E
MORAN, DEANNA
OLALIA, ERIC
PICARD, DANNY
RANSOM, JEREMY B
ROBBINS, MARGIE
1641 DANLEY, HELEN
HOLCOMB, SARA M
MARTIN, KRISTI
1660 STANOWSKI, MICHAEL R
1665 BAILEY, EMILY R
STLAURENT, D N
1936 MURRAY, KENDRA J
1983 NIELSEN, DON
3067 AVILA, LANCE
MYLNE IV, JOHN M
WIESE, ANTHONY F
3125 OCCUPANT UNKNOWN,
3266 OCCUPANT UNKNOWN,
3364 MASON, JOHN
3422 ARELLANO, DORA
MASON, JACK
3805 BRADY, BRUCE
4203 SALLADY, TIMOTHY

FOSTER AVE 1995

1386	STMARIE, JOHN T
1390	OCCUPANT UNKNOWNN
1396	KOMAROMI, J
1404	DANIELLO, EMILY
	GLENN, BILLY
	MCDONALD, GUTHRIE
	MILLER, DAVID S
	PEZZOLO, TONY
1538	OCCUPANT UNKNOWNN
1540	BREWSTER, KEVIN
	MARTIN, KAREN
1550	WARD, RICHARD
1609	BRITOS, JOSEPH
	HASPER, SCOTT
	JOHNSON, TERRY
	SCHAEFFER, WILLIAM
	WILLIS, K
1633	COLEMAN, TONIA A
	LEBECK, K
	STIRNLEY, MATT
1641	ECK, JAMES S
1665	SORENSEN, JOAN
	WASILCHIN, TOM
1983	NIELSEN, DON
2665	TAYLOR, JAMES A
3067	OCCUPANT UNKNOWNN
3085	MARSHALL, JEREMY
3125	AVILA, LANCE
3212	OCCUPANT UNKNOWNN
3266	SALLADY, TIMOTHY
3364	MASON, JOHN
3422	MASON, JACK
3805	DAY, MARY S
4203	SALLADY, EDWARD B

FOSTER AVE 1992

1386	STMARIE, JOHN T
1404	BURNETT, TIMOTHY D
	PATERSON, IAN
	RUSSELL, LISA
	SCHMITT, DIXON C
1540	DOMINGS, MARC
	MARTIN, KAREN
1550	DAVIS, RICK
1609	DONOHU, GAVIN
	GUSS, BECCA
1633	LUNDIN, THOMAS
1641	PAMBIANCO, DAN
	SHERBURNE, JASON A
1660	FIELD, GREGORY D
	LAMB, JAMES
1665	CARNICELLI, TERI
	SIMPSON, RAYMEAL
	WASILCHIN, TOM
1983	NIELSEN, DON
3067	AVILA, JOHNNIE
3125	HIBBARD, C J
3266	SALLADY, TIMOTHY
3364	MASON, JOHN
3422	MASON, JACK
	WYMORE, IVAN
4203	SALLADY, EDWARD B

FOSTER AVE 1982

02

**FOSTER AV (ARCATA)—FROM END OF
EASTERN AV WEST 1 SOUTH OF
CENTER AV**

ZIP CODE 95521

1382 Phillips Jim L © 822-2394

1386★Doyka Mimi 826-0855

1390 Vacant

1396 Escano Dustin R 822-0761

1404 Foster Avenue Apartments

1 Vacant

2 Montgomery Ricky G 822-7135

3 Mauzey D 822-3427

4★Brittain Billy 822-3814

5 Nannery Kathleen

6 Vacant

7 No Return

8 Vacant

1538 Lingerfelt Millard V © 822-0738

1540 Haight David A ©

FOSTER AVE 1977

82

**FOSTER AV (ARCATA)—FROM END OF
EASTERN AV WEST 1 SOUTH OF
CENTER AV**

ZIP CODE 95521

1382 Phillips Jim L © 822-2394

1382½★Streiff Robt

1386★Hanna Tim 822-6438

1390 Bock Gary

1396★O'Donnell Dan 822-1968

1398★Mc Bride Jim

FOSTER AVE 1977

1404 Foster Avenue Apartments**1 Channell R A****2 Myers C****3 Douscheuce Mark****4★Kerker Bill****5 Newport Charles 822-3747****6 Ashodian Judy****7 Hansen James****8 Smith Robt****1538 Lingerfelt Millard V © 822-0738****1540 Samuels Carl V © 822-4514**

FOSTER AVE 1972

82

**FOSTER AV —FROM END OF EASTERN
AV WEST 1 SOUTH OF CENTER AV****ZIP CODE 95521****1382 Phillips Jim L © 822-2394****1386 Dobie Paul B 822-0509****1390 Larsen Donald G****1396 Marlar Richd 822-3414****1404 Foster Avenue Apartments****1 Vacant****2 Jenkins Hershall****3 Wright Kath 822-2371****4 No Return****5 Stockwell Dean****6 No Return****7 No Return****8 Vacant****1538 Lingerfelt Millard V © 822-0738****1540 Samuels Carl V © 822-4514**

FOSTER AVE 1968

FOSTER AV -FROM END OF EASTERN AV
WEST 1 SOUTH OF CENTER

---ZIP CODE 95521

1382 PHILLIPS JIM L • 822-2394

1386 BERONIO DAVID 822-2200

1396 GOMEZ JOE C

1398 ELLSMORE PHILLIP C 822-6898

1404 FOSTER AVENUE APARTMENTS

1 GAIER STEPH W 822-5779

2 VAN SLEET ROBT 822-6980

3 THIPPS STEVE 822-5500

4 ZARAMSKAS STANLEY 822-6895

5 WARNSLEY LARRY 822-5584

6 MANSFIELD PAMELA

7 EGGERT JEFFREY

8 JOHNSON ROSS

1405 CADRA MARBRY MRS 822-4904

1538 STRETCH TOM W • 822-4748

1540 SAMUELS CARL C • 822-4514

FOSTER AVE 1964

82

FOSTER AV (ARCATA)-FROM END OF
EASTERN AV W 1 S OF CENTER

1382 PHILLIPS JIM L • 822-2394

1386 GOMES CELESTINO

1396 VACANT

1398 VINCENT LUCY 822-2852

PHILPOTT BETTY

1404 FOSTER AVENUE APARTMENTS

1 CORNWELL CLARENCE

2 WEST JAMES 822-5097

3 LCV E EARL

4 SANDERS TOM

5 ANDERSON DELORES MRS

822-3148

6 WEST JOE JR

7 PORTER DENNIS

8 HUBBARD JERRY

1405 SMITH JAMES

CADRA MARBRY MRS 822-4904

1538 GILLESPIE DUNCAN 822-3020

1540 ESSEX FLORENCE M MRS

822-4762

✓

-

FOSTER AVE 1961

82

FOSTER AV (A)-FROM END OF EASTERN
AV W, 1 S OF CENTER

1382 PHILLIPS JIM L • ΔVA2-2394

1386 TIDWELL MAVIS

1390 STAGNOLI PIETRO S

1396 VACANT

1398 VACANT

FOSTER AVE 1961

1404 FOSTER AVENUE APARTMENTS ·

1 BROWN PETER ΔVA2-4295

2 THOMPSON BRICE

3 VACANT

4 VACANT

5 VACANT

6 FLANAGAN VESTER

7 RINGOOT JOHN ΔVA2-4293

8 VACANT

1405 VACANT

TAYLOR EDNA R MRS ΔVA2-3075

REAR TAYLOR CHAS R

1425 VACANT

1538 ESSEX JOHN W COML FISHERMN
ΔVA2-4760

1540 SAMUELS CARL V • ΔVA2-0644

FOSTER AVE 1958

82

FOSTER AV (Sunset Addn) —
From end of Eastern av
west, 1 south of Center

1385 Phillips Jim ©
 ΔVA2-2394

1386 Ames Richd C
 ΔVA2-2869

1390 Riu Dayid E

1396 Vacant

1398 Le Var Vincent ©
 ΔVA2-0478

Western av intersects

1404 **Lima Apartments**

1 Jennings Ernest L

2 Larsen Donald G

3 Vacant

4 Vacant

5 Giacomini Helen C Mrs

6 Rice Martin L

7 Vacant

8 Vacant

Street continued

1405 Taylor Edna C Mrs ©
 ΔVA2-3075

1425 Speier's Mach Shop
 ΔVA2-2844

1520 Vacant

1540 Samuels Carl V ©
 ΔVA2-0644

Appendix F:

VAPOR ENCROACHMENT SCREENING MATRIX

Vapor Encroachment Screening Matrix

Phase I ESA Vapor Encroachment Conditions (VEC) matrix includes a (1) Search Radius Test, (2) Chemicals of Concern Test (COC), and (3) a Critical Distance Test [1].

(1) Search Radius Test: Are there any known or suspect contaminated properties in the primary area of concern within the corresponding search radii (including the site)?

Yes No If **No**, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If **Yes**, then:

(2) Chemicals of Concern Test: Are COC likely to be present within the area of concern for those known or suspect contaminated sites identified based on the Search Distance Test?

Yes No If **No**, then screening for a VEC is complete and no VEC *currently* exists, go to #4. If **Yes**, then:

(3) Critical Distance Test*: A plume test to determine whether or not COC in the contaminated plume(s) may be within the critical distance.

Yes No (3a) Is information related to the contaminated(s) plume available (i.e. iso-concentration maps, site drawings, etc.)?
(3b) If **No**, then a VEC cannot be ruled out; check **Yes** in #4 below indicating it is likely a VEC exists. If **Yes**, then:

Yes No (3c) Is the site less than 100 feet to the nearest edge of a contaminated [non-petroleum hydrocarbon] plume(s)? If **Yes**, then check **Yes** in #4 below indicating it is likely a VEC exists.

Yes No (3d) Is the site less than 30 feet to the nearest edge of a dissolved petroleum hydrocarbon plume(s)? If **Yes**, then check **Yes** in #4 below indicating it is likely a VEC exists.

*If the distance from the nearest edge of a contaminated plume to the nearest existing or planned structure on the site is less than 100 feet for non-petroleum hydrocarbon COC, or less than 30 feet for dissolved petroleum hydrocarbons, then it is presumed that a VEC *currently* exists beneath the site. If the distance from the nearest edge of the contaminated plume is greater than or equal to 100 feet for non-petroleum hydrocarbons, or 30 feet for dissolved petroleum hydrocarbon chemicals of concern, then it is presumed unlikely that a VEC *currently* exists beneath the site.

(4) Is it likely that a VEC *currently* exists beneath the site?

Yes No If **No**, then the VEC screening is complete and no further investigation is recommended at this time. If **Yes**, Ninyo & Moore recommends performing additional assessment, such as a Tier 2 VEC assessment according to ASTM E 2600-10.

[1] Based on guidance presented in the ASTM E 2600-10 Standard.