

# GLENN COUNTY

## Planning & Community Development Services Agency

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Mardy Thomas, Director

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### GLENN COUNTY PLANNING COMMISSION

#### STAFF REPORT

MEETING DATE: April 17, 2024  
TO: Glenn County Planning Commission  
FROM: Andy Popper, Principal Planner  
RE: Tentative Parcel Map 2022-002, Jouhal

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#### Attachments:

1. Conditions of Approval/Mitigation Measures
2. Exhibit "A" Tentative Parcel Map
3. Mitigated Negative Declaration - Initial Study
4. Request for Review(s) and Application Information
5. Agency Comments

## **1 PROJECT SUMMARY**

The applicant has proposed to divide an 18.38± acre parcel of land into four parcels and a Designated Remainder as listed below:

Parcel One:	6.0 ± Acres
Parcel Two:	4.0 ± Acres
Parcel Three:	3.0 ± Acres
Parcel Four:	3.0± Acres
Designated Remainder:	2.38 ± Acres

The project is located on the east side of County Road 99W, north of County Road 27, west of County Road M, and south of County Road 25; in the unincorporated area of Glenn County, California. The project site consists of the following Assessor Parcel Number: 024-090-013.

The 18.38± acre property is located in the SC-Service Commercial zoning district provides areas suitable for businesses in heavy retail and service commercial uses, such as the sale of large and bulky household appliances, furniture, and floor coverings. Additional project information is provided in the Mitigated Negative Declaration and Initial Study attached to this report, as well as other included documentation.

### **1.1 RECOMMENDATIONS**

Staff recommends that the Planning Commission grant a Mitigated Negative Declaration for Tentative Parcel Map 2022-002 with the findings as presented in the Staff Report.

Staff also recommends that the Planning Commission approve Tentative Parcel Map 2022-002 with the findings as presented in the Staff Report, and the Conditions of Approval and Mitigation Measures as attached.

## **2 ANALYSES**

The proposal to divide the existing parcel is consistent with surrounding land uses. The resultant parcels will remain consistent with surrounding land uses. The proposed project will not be detrimental to the health, safety, or general welfare of persons residing or working in the vicinity.

### **2.1 ENVIRONMENTAL DETERMINATION**

A copy of the proposed Mitigated Negative Declaration and Initial Study are attached. The Initial Study is a detailed discussion of the project and the project's potential environmental impacts as required by the California Environmental Quality Act (CEQA). Based on the Initial Study, this project will result in no Potentially Significant Impacts to the environment with conditions and mitigations.

The Initial Study concludes that there is no substantial evidence in light of the whole record that the project will have a significant impact on the environment either

cumulatively or individually with Conditions of Approval and Mitigation Measures. Therefore, a Mitigated Negative Declaration has been prepared.

## **2.2 GENERAL PLAN AND ZONING CONSISTENCY**

### **2.2.1 “SC”- Service Commercial Zone (Glenn County Code Chapter 15.42)**

#### Site Area (Glenn County Code §15.42)

Net lot sizes shall be no less than the following:

Lots with well and septic system: Forty thousand square feet.

#### Minimum Yard Requirements (Glenn County Code §15.42.090)

TPM2022-002 does not propose for the construction of structures at this time. The existing structures are located on the “Designated Remainder” and they include a single dwelling unit, garages, water well, onsite wastewater treatment system (OWTS). Consistent with Glenn County Code (GCC) and the General Plan requirements, any future structures on the proposed parcels will be required to meet the recommended setbacks from the lot lines §15.42.090.

### **2.2.2 Land Divisions (Glenn County Code Chapter 15.23)**

#### Findings (Glenn County Code §15.23.010)

*No tentative map, for either a final map or a parcel map, shall be approved unless the following findings are made:*

- A. That the proposed map or the design or improvement of the proposed subdivision is consistent with the applicable general and specific plans and this title;

The project site is zoned “SC” and designated as “Service Commercial” in the General Plan. In accordance with General Plan, the proposed project will not violate the population and building intensity standards outlined therein.

- B. That the site is physically suitable for the type of development, or for the density of development proposed;

The proposed parcels are physically suitable for the type of development (Service Commercial uses) and they meet the minimum parcel size stated under Glenn County Code §15.42.090. There is sufficient area to accommodate potential future development allowed under Chapter 15.42 of the Glenn County Code. The proposed parcels will have adequate access for ingress and egress.

- C. That the design of the subdivision or the proposed improvements will not cause substantial environmental damage or substantially injure fish or wildlife or their habitat, and, if applicable, that such subdivision and improvements provide reasonable public access to public resources as required by Article 3.5 of the Subdivision Map Act;

The proposed land division will not cause substantial environmental damage nor will it injure fish, wildlife, or their habitat. The proposed project will not result in potentially significant impacts. There are no public resources requiring public access to the property. The environmental impacts of the project are discussed in the Initial Study.

- D. That the design of the subdivision or the type of improvements will not cause substantial public health problems;

The design of the proposed land division will not cause substantial public health problems. The impacts of this project on public health are discussed in the Initial Study attached to this report.

- E. That the design of the subdivision or the type of improvements shall not conflict with easements acquired by the public at large for access through or use of the property within the proposed subdivision;

The design of the land division is not in conflict with easements acquired by the public at large for access through or use of the property. There will be adequate access to the proposed parcels.

- F. That the discharge of waste from the proposed subdivision into a sewer system would not result in the violation of existing requirements prescribed by the California Regional Water Quality Control Board;

There is no municipal sewer system that serves the project area; therefore, this project will not result in the violation of existing requirements prescribed by the California Regional Water Quality Control Board. The proposed parcels will be served by individual septic systems upon application for a use that would require sewage disposal. The existing structures onsite are located on the "Designated Remainder". These structures include a single dwelling unit, water well, and onsite wastewater treatment system (OWTS). Proposed Parcels One, Two, Three, and Four are undeveloped. Compliance with Glenn County Environmental Health standards would ensure that any septic systems are properly operating and would be safe for the treatment and disposal of wastewater, as well as the protection of groundwater quality.

- G. That the property is not, or will not become, unhealthful or unfit for human habitation or occupancy if developed as proposed;

The proposed parcels will not become unhealthful or unfit for human habitation or occupancy. The environmental impacts of the project are discussed in the Initial Study. No potentially significant impacts were identified during the Initial Study that would pose danger to human occupancy at the site. The project site will not become unhealthful for human occupancy with approval of this land division.

H. That the property is not hazardous for development or habitation because of flooding or inundation, adverse soil or geologic conditions, close proximity to an airport, excessive steepness, difficult access, wildfire hazard or other conditions adverse to the public health, safety or general welfare.

The property is not hazardous for development or habitation because of flooding, adverse soil or geologic conditions, close proximity to an airport, excessive steepness, difficult access, wildfire hazards or other conditions adverse to the public health, safety or general welfare.

### **3 PROJECT REQUIREMENTS**

In addition to the Conditions of Approval and Mitigation Measures, the applicant's and his/her technical or project management representative's attention is directed to the attached responses from other agencies reflecting their comments after reviewing the application. The items noted are a guide to assist the applicant in meeting the requirements of the Conditions of Approval and applicable government codes. The memoranda may also note unusual circumstances that need special attention. The items listed are a guide and not intended to be a comprehensive summary of all codified requirements or site-specific requirements.

### **4 FINDINGS**

#### **4.1 FINDINGS FOR MITIGATED NEGATIVE DECLARATION**

The Initial Study prepared for the project documents reasons to support the following findings. The following findings shall be made prior to recommending approval of a Mitigated Negative Declaration.

##### Finding 1 (Aesthetics)

The project will not have a significant impact on aesthetics. The adopted standards for lighting and construction will minimize impacts from future development. The project is compatible with existing uses in the area. Impacts are considered less than significant.

##### Finding 2 (Agricultural and Forest Resources)

The project will not have a significant impact on agriculture or forest resources because no significant change in the land will result. The property is zoned "SC -Service Commercial (Chapter 15.42 Glenn County Code), and it does not involve conversion of forestland. Agricultural activities within the vicinity will not be adversely impacted by this project. There are no forest resources located within the vicinity of the project. Impacts are considered less than significant.

##### Finding 3 (Air Quality)

The project will not have a significant impact on air quality because the project will not violate air quality standards or contribute substantially to an existing air quality violation. Additionally, the project will not adversely impact sensitive receptors or create objectionable odors. Impacts are considered less than significant.

##### Finding 4 (Biological Resources)

The project will not have a significant impact on biological resources. There are no identified sensitive habitats or natural communities, therefore, the project will have a less than significant impact on 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 Wildlife or U.S. Fish and Wildlife Service. Impacts are considered less than significant.

#### Finding 5 (Cultural Resources)

The project will not have significant impact on cultural resources. State laws are in place in case of accidental discoveries made during future ground disturbing activities. With mitigation measures in place, impacts are considered less than significant.

#### Mitigation Measure CR-1 (Cultural Resources)

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgement. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner. The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:
  - 1) is not eligible for the NRHP or CRHR; or
  - 2) that the treatment measures have been completed to their satisfaction.
- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The

designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains.

- If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring: Planning & Community Development Services Agency

#### Finding 6 (Energy)

The project will not have a significant impact on energy. If construction were to occur, the project will be required to comply with California Green Building Standards as well as California Energy Code. Comments by the PG&E after project review indicated that the proposed project does not appear to directly interfere with existing PG&E facilities or impact the organization's easement rights as a utility provider. The project will not conflict with or obstruct state or local plans for renewable or efficient energy.

#### Finding 7 (Geology and Soils)

The project will not have a significant impact on geology and soils because geologic hazards in the area are minimal and the building codes will require new construction to meet standards for soil conditions. No permit to dispose of sewage or other liquid waste generated by the use of this property will be issued until the applicant has complied with the applicable provisions of Chapter 7.10 of the Glenn County Code and by the Glenn County Environmental Health Department. Impacts are considered less than significant.

#### Finding 8 (Greenhouse Gas Emissions)

The project will not have a significant impact on global climate change as a result of greenhouse gas emissions (GHG). The project is not in conflict with existing guidelines or standards. The project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. No significant change in the current use of the land will result. The project will not create significant changes in GHG emissions. Impacts are considered less than significant.

#### Finding 9 (Hazards and Hazardous Materials)

Hazards and hazardous materials will not have a significant impact on the environment as a result of the proposed project. The project will not interfere with an adopted emergency response plan nor expose people to risk of loss, injury, or death. Impacts are considered less than significant with the following mitigation measures.

#### Mitigation Measure HHM-1 (Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, based on the Environmental Site Assessment reports (MEI Project No 23-Ph1-Jouhal) submitted for this property all Conclusion/Recommendations shall be completed to ensure compliance with CA OES and all Health & Safety minimum standards. Contaminated soils, materials and liquids shall be removed from the property and disposed at an approved facility. A report detailing, but not limited to, the sampling, removal, disposal and clean-up shall be submitted to Glenn County upon completion.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

Mitigation Measure HHM-2 (Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, the applicant shall submit the findings of the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation (MEI Project No 23-Ph1-Jouhal) to the California Governor's Office of Emergency Services for further instruction in regard to official release reporting and additional assessment that may be required due to the elevated motor oil and shall complete recommended remediation.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

Finding 10 (Hydrology/Water Quality)

The project will not have a significant impact on hydrology and water quality because the project will not significantly alter the drainage pattern of the area. The project will not significantly interfere with groundwater recharge in the area. The project will not substantially deplete groundwater supplies or expose people or structures to a significant risk of loss, injury, or death involving flooding. The project will not violate water quality standards or waste discharge requirements.

Finding 11 (Land Use and Planning)

The project will not have a significant impact on land use and planning because the project would not physically divide an established community. The project seeks to divide one existing parcel into four parcels, with a designated remainder. The project is consistent with the Glenn County General Plan, meets the required area density, building intensity and applicable policies specified for the project area. The project site will meet the size and requirements of the General Plan and Title 15 of the Glenn County Code and is consistent with the surrounding area. The project will not conflict with any existing habitat conservation plan or natural community conservation plan. No impacts are anticipated.

Finding 12 (Mineral Resources)

The project will not have a significant impact on mineral resources. According to the California Department of Conservation Mineral Lands Classification Map, the property is does contain Concrete-Grade Mineral Aggregates; however, impacts are considered less than significant.

Finding 13 (Noise)



The project will not have a significant impact on people residing or working in the area due to excessive noise levels. Noise generating activities are required to meet the established standards prescribed by the County Code. The project site is not within an airport land use plan and not in the vicinity of a private airstrip, which would expose people in the area to unacceptable noise levels. Impacts are considered less than significant.

Finding 14 (Population and Housing)

The project will not have a significant impact on population and housing because the project will not displace people or housing. This project would not induce substantial population growth directly or indirectly. Impacts are considered less than significant.

Finding 15 (Public Services)

The project will not have a significant impact on public services. The services of fire protection, police protection, schools, parks, and other public facilities are sufficient to accommodate the proposed project. Existing requirements for taxes and developmental impact fees are implemented to offset impacts.

Finding 16 (Recreation)

The project will not have a significant impact on recreation because it would not substantially increase the use of existing recreational facilities nor does the project include such facilities. No impacts are anticipated.

Finding 17 (Transportation)

The project will not have a significant impact on transportation/circulation because it will not significantly increase traffic volumes on existing roads. The project will not change air traffic patterns. There is adequate access to the project site. Public (County Roads 99W and 27) and private roads will provide adequate emergency access to the project site. Alternative transportation plans will not be impacted. Impacts are considered less than significant.

Finding 18 (Tribal Cultural Resources)

The project will not have a significant impact on Tribal Cultural Resources with mitigation measures incorporated. However, should an inadvertent discovery of cultural artefacts/resources, or human remains occur, the integrity of the site should be immediately preserved according to state law. Consistent with the requirements of the Public Resources Code Section 21083.3.2, the California Native American Heritage Commission's Sacred Lands Code Section 5097.96 and the California Office of the Historic Preservation, native tribes culturally affiliated with the project area were consulted. However, with appropriate mitigation measures incorporated, it is concluded this proposal will not have a significant impact.

**Mitigation Measure TCR -1 (Tribal Cultural Resources)**

*In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its*

*significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out. All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.*

Finding 19 (Utilities and Service Systems)

The project will not have a significant impact on utilities and service systems. The project can adequately be served by existing utilities and service systems and does not involve a public wastewater treatment facility. Future development is required to meet local, state, federal and utility company standards. Impacts are considered less than significant.

Finding 20 (Wildfire)

The project will not have a significant impact on wildfires. The project will not impair an adopted emergency response plan or emergency evacuation plan. The project will not exacerbate wildfire risk. Impacts are considered less than significant.

Finding 21 (Mandatory Findings of Significance)

There is no substantial evidence in light of the whole record that the project may have a significant impact on the environment either cumulatively or individually. Impacts are considered less than significant.

## **4.2 FINDINGS FOR APPROVAL OF TENTATIVE PARCEL MAP**

### **4.2.1 Land Divisions (Glenn County Code Chapter 15.23)**

According to Glenn County Code Section 15.23.010, no tentative map, for either a final map or a parcel map, shall be approved unless the following findings are made:

Finding 1 (General Plan and Zoning Consistency)

The design of the proposed land division is consistent with the General Plan and Title 15 of the Glenn County Code. The proposed land division is consistent with the Land Use Designation of "Service Commercial" and the zoning of "SC." The proposed parcels will meet the land use and zoning requirements of the General Plan and County Code.

Finding 2 (Physical Suitability)

The project site and the proposed parcels are physically suitable for Service Commercial uses. The land use and zoning requirements of the General Plan and Zoning Code will be met.

Finding 3 (Environmental Impact)

The design of proposed land division will not cause substantial environmental damage or substantially injure fish or wildlife or their habitat because there are no land use changes or development proposals that would adversely impact the environment.

Finding 4 (Public Health)

The design of the proposed land division will not cause substantial public health problems. Future development on the proposed parcels is required to meet all local, state and federal laws and requirements for air quality, construction, roads, drainage, improvements, water supply, and sewage disposal.

Finding 5 (Access)

The design of the land division is not in conflict with easements acquired by the public at large for access through or use of the property. There will be adequate access to the proposed parcels.

Finding 6 (Waste Water Discharge)

The proposed land division will not result in the violation of existing requirements prescribed by the California Regional Water Quality Control Board. Uses that require discharge of wastewater will be required to meet health & safety requirements as administered by Glenn County Environmental Health

Finding 7 (Suitability for Human Habitation)

The property is not, or will not become, unhealthful or unfit for human habitation or occupancy. The configuration of the parcels is adequate in shape and size to accommodate Service Commercial Land uses in the future. Conditions of Approval and Mitigation Measures have reduced impacts to less than significant as identified in the Initial Study.

Finding 8 (Hazards)

The property is not hazardous for development or habitation. Conditions of Approval and Mitigation Measures have reduced impacts to less than significant as identified in the Initial Study. The project site is not hazardous for development because of flooding, adverse soil or geologic conditions, close proximity to an airport, excessive steepness, difficult access, wildfire hazards or other conditions adverse to the public health, safety, or general welfare.

**5 SAMPLE MOTIONS**

Environmental Determination

I move that the Planning Commission, with the Findings as presented in the Initial Study and the Staff Report, adopt the proposed Mitigated Negative Declaration for Tentative Parcel Map 2022-002.

Land Division

I (further) move that the Planning Commission find that Tentative Parcel Map 2022-002 meets the requirements of Glenn County Code Chapter 15.23.010, and therefore, approve Tentative Parcel Map 2022-002 with the Findings in the Staff Report and the corresponding Conditions of Approval and Mitigation Measures.

**GLENN COUNTY PLANNING AND  
COMMUNITY DEVELOPMENT SERVICES AGENCY**

**CONDITIONS OF APPROVAL AND MITIGATION MONITORING PROGRAM**

**TENTATIVE PARCEL MAP 2022-002, JOUHAL**

Pursuant to the approval of the Glenn County Planning Commission, Tentative Parcel Map 2022-002 is hereby granted subject to the Conditions of Approval set forth herein. Tentative Parcel Map 2022-002 is hereby granted pending final approval by the Glenn County Planning Commission. The applicant shall file a signed copy of these Conditions of Approval with the Glenn County Planning & Community Development Services Agency.

**Project Summary:**

The applicant has proposed to divide an 18.38± acre parcel of land into four parcels and a Designated Remainder as listed below:

Parcel One:	6.0 ± Acres
Parcel Two:	4.0 ± Acres
Parcel Three:	3.0 ± Acres
Parcel Four:	3.0± Acres
Designated Remainder:	2.38 ± Acres

**Project Location**

The project is located on the east side of County Road 99W, north of County Road 27, west of County Road M, and south of County Road 25; in the unincorporated area of Glenn County, California. The project site consists of the following Assessor Parcel Number: 024-090-013.

## **CONDITIONS OF APPROVAL**

### **Standard Conditions:**

#### **Condition of Approval 1**

The Parcel Map shall substantially conform to the Tentative Parcel Map being identified as Exhibit "A" as submitted and on file at the Glenn County Planning & Community Development Services Agency.

#### **Condition of Approval 2**

There is a ten (10) day appeal period following the Planning Commission action on this map. The parcel map may not be recorded until this ten-day appeal period has expired (Glenn County Code §15.05.010).

#### **Condition of Approval 3**

All approved or conditionally approved tentative maps shall expire 24 months after such approval or conditional approval unless they are extended. If the applicant fails to submit for processing and recording an approved parcel map before the expiration of the tentative map, the tentative map shall be null and void. If a parcel map is not filed for recording prior to the expiration of the tentative map, a new tentative map shall be required to be submitted, processed, and approved (Glenn County Code §15.25.030).

#### **Condition of Approval 4**

Prior to submitting the Parcel Map for recording, the subdivider shall file a properly executed Tax Collector's Certificate with the County Recorder. A copy of this executed certificate shall be included with the Parcel Map at the time the map is submitted to the County Surveyor for recording. In lieu of the above requirement, the Tax Collector's Certificate may be placed on the face of the Parcel Map. The Tax Collector's Certificate shall conform to Section 20.08.011 of the Board of Supervisors Book of Administrative Policies and Procedures.

#### **Condition of Approval 5**

The location, identification and description of known or found survey monuments on or adjacent to the site shall be shown and noted on the Parcel Map (Glenn County Code 15.68).

### **Public Works Agency:**

#### **Condition of Approval 6**

Prior to any work being done in the County Right-Of-Way, an Encroachment Permit shall be applied for and received from the Glenn County Public Works Agency (15.12 GCC).

Condition of Approval 7

That the right-of-way for County Roads "99W" and "27" shall be a minimum thirty (30) foot wide strip of land adjoining the centerline within the limits of the Parcel Map. The applicant shall submit acceptable evidence of existing dedication or shall provide dedication on the Parcel Map or by separate instrument to be recorded prior to the recording of the Parcel Map. The recording information for the dedication shall be shown on the face of the Parcel Map. (15.640.040 GCC)

Condition of Approval 8

That Right of Way lines at the intersection of County Roads "99W" and "27" shall be rounded with a curve having a radius of 20 feet. (15.640.110 GCC)

Condition of Approval 9

That prior to the issuance of a Certificate of Occupancy on any parcel, the improvement of the East half of County Road "99W" and/or the North half of County Road "27" along the frontage of the Parcel requesting the Certificate of Occupancy shall meet County Standard RS-4 and/or RS-8. (15.640.040 GCC)

Condition of Approval 10

That the applicant shall provide a minimum sixty (60) foot wide private easement and shall be described as a "Non-exclusive private road easement for ingress and egress and public utility purposes and to be reserved in deeds for the benefit of Parcels One, Two, Three and Four."

Condition of Approval 11

That the right-of-way lines at the intersection of the private road easement and County Road "27" shall be rounded with a curve having a radius of 20 feet.

Condition of Approval 12

The following note shall be shown on the face of the Parcel Map (15.640.080 GCC):

"Parcels 1,2,3 and 4 are served by a private road. Maintenance of said road is not the responsibility of Glenn County. Owners of said parcel are hereby advised that they and/or others are solely responsible for maintenance of this road."

Condition of Approval 13

That the applicant shall improve the private road easement to Private Road Standards as shown on Standard Drawing No. RS-10, RS-11 and S-19 for private road intersection prior to the issuance of a Certificate of Occupancy for Parcels One, Two, Three or Four. This condition shall be noted on the Parcel Map under Informational Items.

Condition of Approval 14

That all areas which are subject to inundation or storm water overflows according to the Flood Insurance Rate Maps shall be shown and/or noted on the Parcel Map. (66434.2 SMA)

**Environmental Health Department:**

Condition of Approval 15

Water well setbacks from onsite wastewater treatment system (OWTS) should be a minimum of 150 feet and each water well shall only serve the parcel on which it is located; no crossing of property lines.

Condition of Approval 16

To uphold County and State standards, all water wells and onsite wastewater treatment systems (OWTS) shall be permitted by the Glenn County Environmental Health Department.

Condition of Approval 17

Prior to the Recordation of the Parcel Map, the applicant shall retest the onsite well as indicated in the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation. The results shall be submitted to the Glenn County Environmental Health Department for possible further actions.

Condition of Approval 18

Prior to the Recordation of the Parcel Map, if the existing water well is unable to meet minimum standards for potable drinking water it shall be destroyed and a new water well drilled under Environmental Health permit.

**Environmental Site Assessment and a Limited Surface Soil Investigation**

Condition of Approval 19

The following note shall be shown on the face of the Parcel Map:

A Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation were completed for the properties, as on file with the Glenn County Planning & Community Development Agency.

**Pacific Gas & Electric:**

Condition of Approval 20

Before any digging or excavation occurs, contact Underground Service Alert (USA) at "811" a minimum of 2 working days prior to commencing any work.

## MITIGATION MEASURES

### Condition of Approval 21, (Mitigation Measure HHM-1, Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, based on the Environmental Site Assessment reports (MEI Project No 23-Ph1-Jouhal) submitted for this property all Conclusion/Recommendations shall be completed to ensure compliance with CA OES and all Health & Safety minimum standards. Contaminated soils, materials and liquids shall be removed from the property and disposed at an approved facility. A report detailing, but not limited to, the sampling, removal, disposal and clean-up shall be submitted to Glenn County upon completion.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

### Condition of Approval 22, (Mitigation Measure HHM-2, Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, the applicant shall submit the findings of the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation (MEI Project No 23-Ph1-Jouhal) to the California Governor's Office of Emergency Services for further instruction in regard to official release reporting and additional assessment that may be required due to the elevated motor oil and shall complete recommended remediation.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

### Condition of Approval 23, (Mitigation Measure CR-1 Cultural Resources)

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgement. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner. The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:
  - 1) is not eligible for the NRHP or CRHR; or
  - 2) that the treatment measures have been completed to their satisfaction.



- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains.
- If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring: Planning & Community Development Services Agency

Condition of Approval 24 (Mitigation Measure TCR-1 Tribal Cultural Resources)

In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out. All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring: Planning & Community Development Services Agency

Acknowledgment:

I hereby declare under penalty of perjury that I have read the foregoing conditions, which are in fact the conditions that were imposed upon the granting of the Tentative Parcel Map, and that I agree to abide fully by said conditions. Additionally, I have read the Staff Report and I am aware of codified county, state, and/or federal standards and regulations that shall be met with the granting of this permit.

**Signed:** \_\_\_\_\_

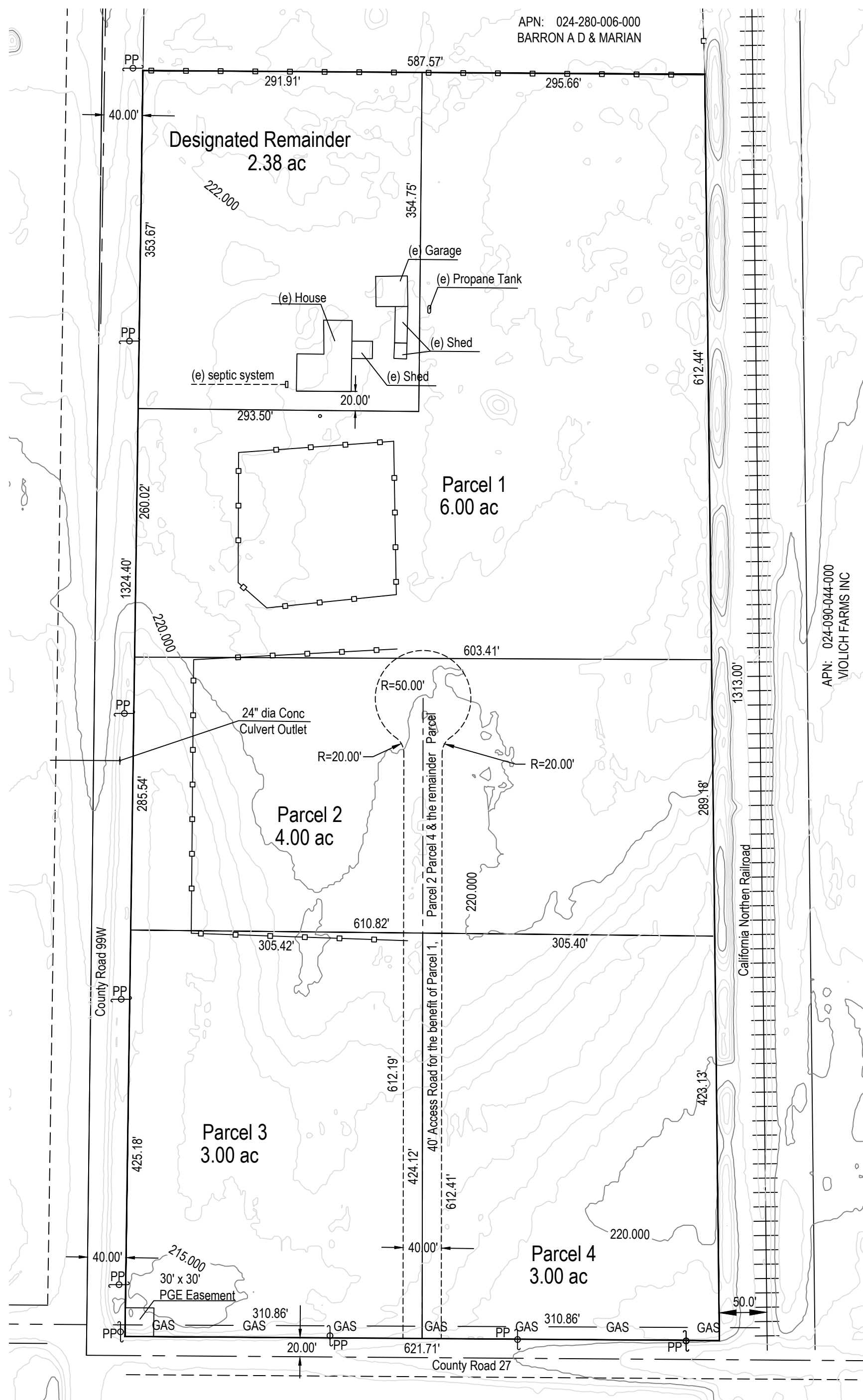
**Date:** \_\_\_\_\_

Amardev Singh Jouhal, Applicant/Landowner

**Signed:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Brien Hamilton, Hamilton Engineering Inc.



**OWNERS CONSENT**

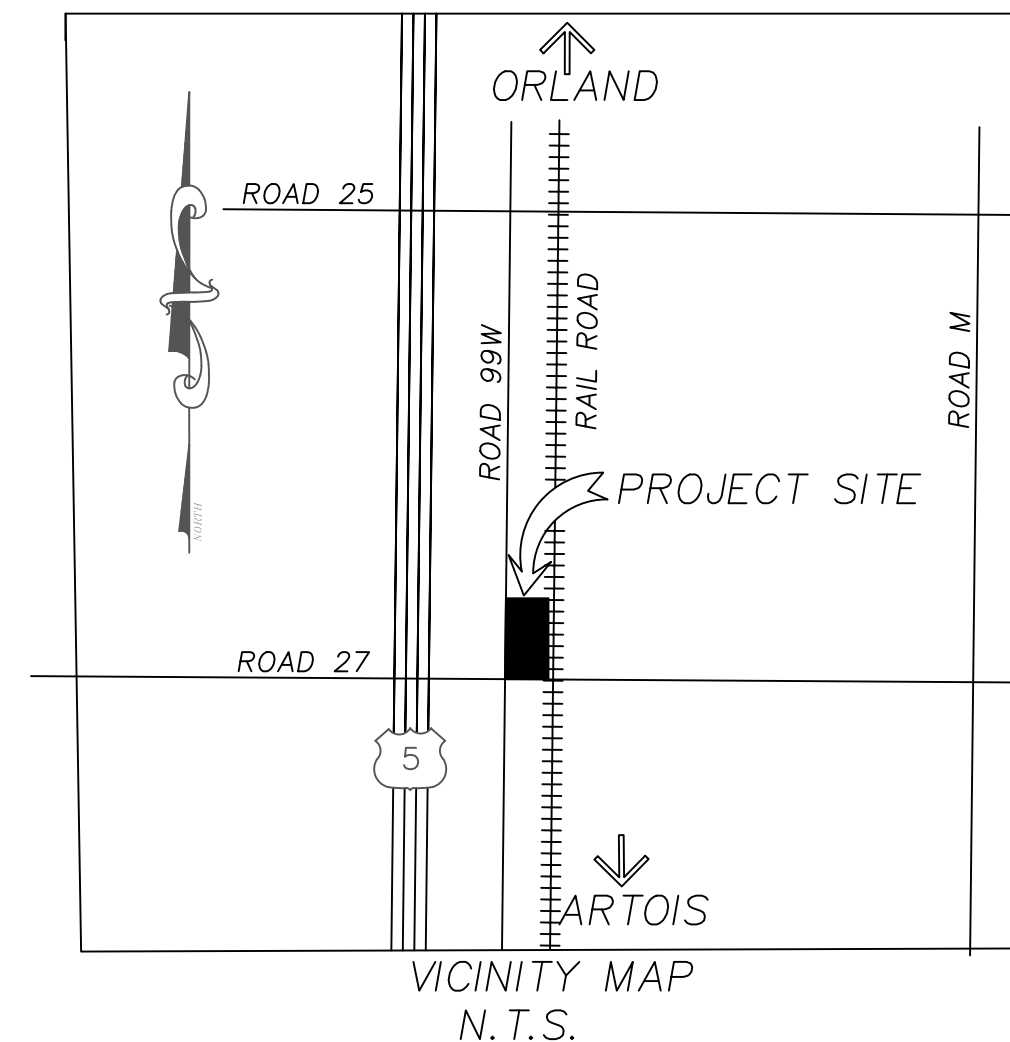
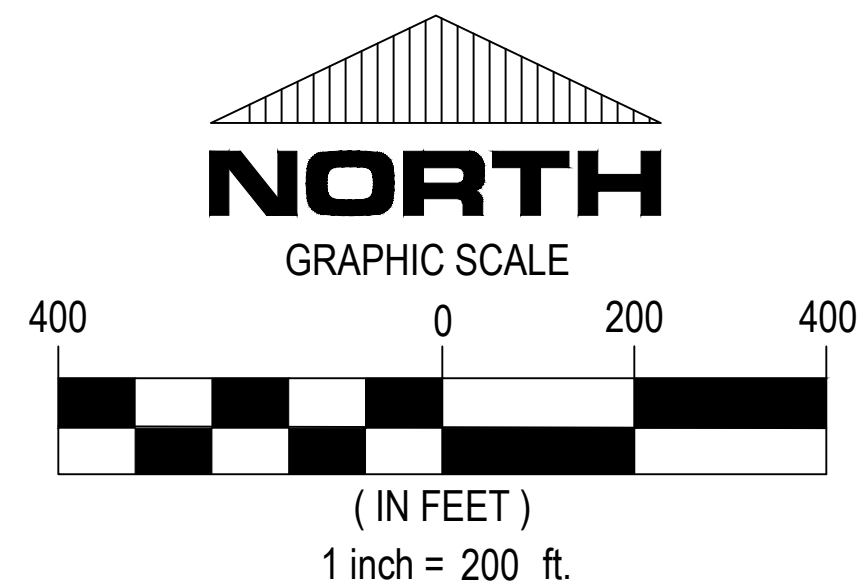
WE THE UNDERSIGNED OWNERS HEREBY  
 CONSENT TO THE PREPARATION OF THIS  
 TENTATIVE PARCEL MAP

*A.S. Jouhal*

AMARDEV JOUHAL

**OWNERS INFORMATION**

APN: 024-090-013  
 AMARDEV JOUHAL  
 PO BOX 181188  
 CORONADO CA 92178  
 (619) 522-4593



ELECTRICAL  
 PG&E

SEWER  
 ON-SITE SEPTIC

WATER  
 INDIVIDUAL ON-SITE WELLS

PROPOSED USE:  
 REMAINDER LOT: SINGLE FAMILY RESIDENTIAL  
 PARCELS 1,2,3,4: SERVICE COMMERCIAL

EXISTING USE: SINGLE RESIDENCE

CURRENT ZONING: SC

GENERAL PLAN DESIGNATION: SERVICE COMMERCIAL

**TENTATIVE PARCEL MAP**

THE SOUTH 1330 FEET OF ALL THAT PART OF SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 21 NORTH, RANGE 3 WEST, WHICH LIES WEST OF THE RAILROAD RIGHT OF WAY AND EAST OF THE STATE HIGHWAY LEADING FROM ORLAND TO GERMANTOWN, SAVING AND EXCEPTING THEREFROM A STRIP OF LAND OFF THE SOUTH AND THEREOF, 20 FEET IN WIDTH USED FOR A PUBLIC HIGHWAY.

**Surveyor's Statement**

This Tentative Parcel Map correctly represents a survey made by me or under my direction in conformance with the requirements of the Professional Land Surveyors' Act at the request of AMARDEV JOUHAL in July 2023.

*Brien G. Hamilton*

Brien G. Hamilton, L.S. 8484  
 Hamilton Engineering Incorporated



**PROPOSED PARCELS**

- PARCEL 1 6.00 ACRES
- PARCEL 2 4.00 ACRES
- PARCEL 3 3.00 ACRES
- PARCEL 4 3.00 ACRES
- REMAINDER 2.38 ACRES

TOTAL 18.38 ACRES

BRIEN G. HAMILTON  
 R.C.E. 67133  
 EXPIRES: 09-30-24

PREPARED BY  
 HAMILTON ENGINEERING INC.  
 P.O. BOX 978  
 ORLAND, CA 95963, 530 865-8551

# MITIGATED NEGATIVE DECLARATION AND INITIAL STUDY

## TENTATIVE PARCEL MAP 2022-002, JOUHAL

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## MITIGATED NEGATIVE DECLARATION

Meeting Date: April 17, 2024

Project Title: **Tentative Parcel Map 2022-002, Jouhal**

Lead Agency: Glenn County Planning & Community Development Services Agency  
225 N Tehama Street  
Willows, CA 95988

Contact Person: Andy Popper, Principal Planner  
[apopper@countyofglenn.net](mailto:apopper@countyofglenn.net)  
530-934-6540

Project Location: The project is located on the eastern side of County Road 99W, north of County Road 27, west of County Road M, and south of County Road 25, in the unincorporated area of Glenn County, California.

Existing APN: 024-090-013

Applicant/  
Landowner: Amardev Singh Jouhal  
P. O. Box 181188,  
Coronado, CA 92178  
Phone Number: (619) 522-5693

Surveyor: Hamilton Engineering Inc.  
P. O. Box 978  
Orland, CA 95963  
Phone Number: (530) 865-8551

Project Summary: The applicant has proposed to divide an 18.38± acre parcel of land into four parcels and a Designated Remainder as listed below:

Parcel One: 6.0 ± Acres

Parcel Two: 4.0 ± Acres

Parcel Three: 3.0 ± Acres

Parcel Four: 3.0± Acres

Designated Remainder: 2.38 ± Acres

The project is further described below.

### Surrounding Land Uses and Setting

The site is surrounded by industrial and agricultural uses. Surrounding land uses and setting are further described below.

### Other Public Agencies whose approval is required (e.g., permits, financing approval, or participation agreement.)

Other agencies may require permits that were not specifically listed or have yet to be recognized through the Initial Study and Glenn County permitting process. It is the responsibility of the applicant/agent to recognize and acquire any/all necessary permit approvals.

## FINDINGS FOR MITIGATED NEGATIVE DECLARATION

An Initial Study has been prepared by the Glenn County Planning & Community Development Services Agency. Based on this study, it is determined that the proposed project will not have a significant effect on the environment. The following Findings are made based on the Initial Study to support a Mitigated Negative Declaration.

### Finding 1 (Aesthetics)

The project will not have a significant impact on aesthetics. The adopted standards for lighting and construction will minimize impacts from future development. The project is compatible with existing uses in the area. Impacts are considered less than significant.

### Finding 2 (Agricultural and Forest Resources)

The project will not have a significant impact on agriculture or forest resources because no significant change in the land will result. The property is zoned "SC -Service Commercial (Chapter 15.42 Glenn County Code), and it does not involve conversion of forestland. Agricultural activities within the vicinity will not be adversely impacted by this project. There are no forest resources located within the vicinity of the project. Impacts are considered less than significant.

### Finding 3 (Air Quality)

The project will not have a significant impact on air quality because the project will not violate air quality standards or contribute substantially to an existing air quality violation. Additionally, the project will not adversely impact sensitive receptors or create objectionable odors. Impacts are considered less than significant.

### Finding 4 (Biological Resources)

The project will not have a significant impact on biological resources. There are no identified sensitive habitats or natural communities, therefore, the project will have a less than significant impact on 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 Wildlife or U.S. Fish and Wildlife Service. Impacts are considered less than significant.

### Finding 5 (Cultural Resources)

The project will not have significant impact on cultural resources. State laws are in place in case of accidental discoveries made during future ground disturbing activities. With mitigation measures in place, impacts are considered less than significant.

### Mitigation Measure CR-1 (Cultural Resources)

If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for prehistoric and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgement. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the lead federal agency, the lead CEQA agency, and applicable landowner. The agencies shall consult on a finding of eligibility and implement appropriate treatment measures if the find is determined to be eligible for inclusion in the NRHP or CRHR. Work may not resume within the no-work radius until the lead agencies, through consultation as appropriate, determine that the site either:
  - 1) is not eligible for the NRHP or CRHR; or
  - 2) that the treatment measures have been completed to their satisfaction.
- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). The archaeologist shall notify Glenn County Coroner (as per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains.
- If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, the landowner must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work

radius until the lead agencies, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring: Planning & Community Development Services Agency

#### Finding 6 (Energy)

The project will not have a significant impact on energy. If construction were to occur, the project will be required to comply with California Green Building Standards as well as California Energy Code. Comments by the PG&E after project review indicated that the proposed project does not appear to directly interfere with existing PG&E facilities or impact the organization's easement rights as a utility provider. The project will not conflict with or obstruct state or local plans for renewable or efficient energy.

#### Finding 7 (Geology and Soils)

The project will not have a significant impact on geology and soils because geologic hazards in the area are minimal and the building codes will require new construction to meet standards for soil conditions. No permit to dispose of sewage or other liquid waste generated by the use of this property will be issued until the applicant has complied with the applicable provisions of Chapter 7.10 of the Glenn County Code and by the Glenn County Environmental Health Department. Impacts are considered less than significant.

#### Finding 8 (Greenhouse Gas Emissions)

The project will not have a significant impact on global climate change as a result of greenhouse gas emissions (GHG). The project is not in conflict with existing guidelines or standards. The project will not conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases. No significant change in the current use of the land will result. The project will not create significant changes in GHG emissions. Impacts are considered less than significant.

#### Finding 9 (Hazards and Hazardous Materials)

Hazards and hazardous materials will not have a significant impact on the environment as a result of the proposed project. The project will not interfere with an adopted emergency response plan nor expose people to risk of loss, injury, or death. Impacts are considered less than significant with the following mitigation measures.

#### Mitigation Measure HHM-1 (Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, based on the Environmental Site Assessment reports submitted for this property all Conclusion/Recommendations shall be completed to ensure compliance with CA OES and all Health & Safety minimum standards. Contaminated soils, materials and liquids shall be removed from the property and disposed at an approved facility. A report detailing, but not limited to, the sampling, removal, disposal and clean-up shall be submitted to Glenn County upon completion.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency



### Mitigation Measure HHM-2 (Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, the applicant shall submit the findings of the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation to the California Governor's Office of Emergency Services for further instruction in regard to official release reporting and additional assessment that may be required due to the elevated motor oil and shall complete recommended remediation.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

### Finding 10 (Hydrology/Water Quality)

The project will not have a significant impact on hydrology and water quality because the project will not significantly alter the drainage pattern of the area. The project will not significantly interfere with groundwater recharge in the area. The project will not substantially deplete groundwater supplies or expose people or structures to a significant risk of loss, injury, or death involving flooding. The project will not violate water quality standards or waste discharge requirements.

### Finding 11 (Land Use and Planning)

The project will not have a significant impact on land use and planning because the project would not physically divide an established community. The project seeks to divide one existing parcel into four parcels, with a designated remainder. The project is consistent with the Glenn County General Plan, meets the required area density, building intensity and applicable policies specified for the project area. The project site will meet the size and requirements of the General Plan and Title 15 of the Glenn County Code and is consistent with the surrounding area. The project will not conflict with any existing habitat conservation plan or natural community conservation plan. No impacts are anticipated.

### Finding 12 (Mineral Resources)

The project will not have a significant impact on mineral resources. According to the California Department of Conservation Mineral Lands Classification Map, the property is does contain Concrete-Grade Mineral Aggregates; however, impacts are considered less than significant.

### Finding 13 (Noise)

The project will not have a significant impact on people residing or working in the area due to excessive noise levels. Noise generating activities are required to meet the established standards prescribed by the County Code. The project site is not within an airport land use plan and not in the vicinity of a private airstrip, which would expose people in the area to unacceptable noise levels. Impacts are considered less than significant.

### Finding 14 (Population and Housing)

The project will not have a significant impact on population and housing because the project will not displace people or housing. This project would not induce substantial population growth directly or indirectly. Impacts are considered less than significant.

### Finding 15 (Public Services)

The project will not have a significant impact on public services. The services of fire protection, police protection, schools, parks, and other public facilities are sufficient to

accommodate the proposed project. Existing requirements for taxes and developmental impact fees are implemented to offset impacts.

Finding 16 (Recreation)

The project will not have a significant impact on recreation because it would not substantially increase the use of existing recreational facilities nor does the project include such facilities. No impacts are anticipated.

Finding 17 (Transportation)

The project will not have a significant impact on transportation/circulation because it will not significantly increase traffic volumes on existing roads. The project will not change air traffic patterns. There is adequate access to the project site. Public (County Roads 99W and 27) and private roads will provide adequate emergency access to the project site. Alternative transportation plans will not be impacted. Impacts are considered less than significant.

Finding 18 (Tribal Cultural Resources)

The project will not have a significant impact on Tribal Cultural Resources with mitigation measures incorporated. However, should an inadvertent discovery of cultural artefacts/resources, or human remains occur, the integrity of the site should be immediately preserved according to state law. Consistent with the requirements of the Public Resources Code Section 21083.3.2, the California Native American Heritage Commission's Sacred Lands Code Section 5097.96 and the California Office of the Historic Preservation, native tribes culturally affiliated with the project area were consulted. However, with appropriate mitigation measures incorporated, it is concluded this proposal will not have a significant impact.

**Mitigation Measure TCR -1 (Tribal Cultural Resources)**

*In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out. All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.*

Finding 19 (Utilities and Service Systems)

The project will not have a significant impact on utilities and service systems. The project can adequately be served by existing utilities and service systems and does not involve

a public wastewater treatment facility. Any future development is required to meet local, state, federal and utility company standards. Impacts are considered less than significant.

Finding 20 (Wildfire)

The project will not have a significant impact on wildfires. The project will not impair an adopted emergency response plan or emergency evacuation plan. The project will not exacerbate wildfire risk, and no new infrastructure is being proposed. The site is relatively flat and there will be no change in drainage. Impacts are considered less than significant.

Finding 21 (Mandatory Findings of Significance)

There is no substantial evidence in light of the whole record that the project may have a significant impact on the environment either cumulatively or individually. Impacts are considered less than significant.

## **CHAPTER 1 INTRODUCTION**

### **1.1 INTRODUCTION AND REGULATORY GUIDANCE**

This Initial Study has been prepared by the County of Glenn to evaluate the potential impacts on the environment that could result from the implementation of the proposed project and to identify, if necessary, any mitigation measures that will reduce, offset, minimize, avoid, or otherwise compensate for significant environmental impacts.

This Initial Study has been prepared in accordance with the requirements of the California Environmental Quality Act (CEQA), encoded in Sections 21000 *et seq.* of the Public Resources Code (PRC) with Guidelines for Implementation codified in the California Code of Regulations (CCR), Title 14, Chapter 3, Sections 15000 *et seq.*

An initial study is conducted by a lead agency to determine if a project may have a significant effect on the environment [CEQA Guidelines §15063(a)]. If there is substantial evidence that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) must be prepared, in accordance with CEQA Guidelines §15064(a). However, if the lead agency determines that there is no substantial evidence that the project may have a significant effect on the environment, a Negative Declaration may be prepared [CEQA Guidelines §15064(f)(3)]. The lead agency prepares a written statement describing the reasons a proposed project would not have a significant effect on the environment and, therefore, why an EIR need not be prepared. This document conforms to the content requirements under CEQA Guidelines §15071.

Alternatively, a Mitigated Negative Declaration may be prepared if the Initial Study identifies a potentially significant effect for which the project's proponent, before public release of a proposed Mitigated Negative Declaration, has made or agrees to make project revisions that mitigate the effects [CEQA Guidelines §15064(f)(2)].

Approval of the proposed project requires discretionary action by the County. According to CEQA Guidelines, a discretionary action or project must be reviewed by the lead agency, to determine its potential effects on the environment. Prior to preparation of the Initial Study, a Request for Review, which included a copy of the application and project description, was sent out by the County of Glenn to responsible and trustee state agencies, and local agencies and organizations to identify issues to be addressed in the Initial Study. Comments received were considered during the preparation of the Initial Study.

### **1.2 LEAD AGENCY**

The lead agency is the public agency with primary approval authority over the proposed project. In accordance with CEQA Guidelines §15051(b)(1), "the lead agency will normally be an agency with general governmental powers, such as a city or county, rather than an agency with a single or limited purpose." The lead agency for the proposed project is Glenn County Planning & Community Development Services Agency. The contact person for the lead agency to whom all inquiries and comments on this environmental document should be addressed is:

Andy Popper, Principal Planner  
Glenn County Planning & Community Development Services Agency  
225 North Tehama Street, Willows, CA 95988 Phone: (530) 934-6540

### **1.3 SUMMARY OF FINDINGS**

This document contains the Environmental Checklist (Initial Study) that identifies the potential environmental impacts (by environmental issue) and a brief discussion of each impact resulting from implementation of the proposed project.

In accordance with §15064(f) of the CEQA Guidelines, a Mitigated Negative Declaration (MND) shall be prepared if the proposed project will not have a significant effect on the environment after the inclusion of mitigation measures in the project. Based on the available project information and the environmental analysis presented in this document, there is no substantial evidence that, after the incorporation of mitigation measures, that the proposed project would have a significant effect on the environment. It is proposed that a MND be adopted in accordance with the CEQA Guidelines.

## CHAPTER 2

### PROJECT DESCRIPTION

#### 2.1 PROJECT DESCRIPTION

The applicant has proposed to divide an 18.38± acre parcel of land into four parcels and a Designated Remainder as listed below:

Parcel One:	6.0 ± Acres
Parcel Two:	4.0 ± Acres
Parcel Three:	3.0 ± Acres
Parcel Four:	3.0± Acres
Designated Remainder:	2.38 ± Acres

When the proposed division of the 18.38± acres is divided into four parcels, along with the Designated Remainder; Parcels One, Two, Three, and Four, will be undeveloped. The existing structures onsite will be located on the designated remainder. The structures include a house, garage, sheds, water well, and an onsite wastewater treatment system (OWTS). The largely vacant space was previously used as undeveloped land and outdoor storage. There is adequate access to the project site. Public and private roads will provide adequate emergency access to the project site

#### **Location**

The project is located on the eastern side of County Road 99W at 3698, north of County Road 27, west of County Road M, and south of County Road 25, in the unincorporated area of Glenn County, California.

#### **Surrounding Land Uses and Setting**

The project site is zoned “SC” (Service Commercial) in the General Plan. This zoning district provides space suitable for heavy retail and other related commercial services. The Service Commercial district does not usually attract much pedestrian traffic because it is usually located away from the city’s central business district. Typically, the Service Commercial district is an ideal location for businesses specializing in the retail of large household appliances, floor coverings, furniture, farm implements, public utility services, warehousing, storage facilities and other commercial services similar in character. The minimum lot size in this zone is twelve thousand five hundred square feet, with public water and sewer.

Land uses surrounding the project site are largely agricultural and industrial operations. The current use of the property is a single-family residence and vacant land. Proposed parcels adjoin county roads, granting access to the public road.

In the Service Commercial district, the establishment of business operations opens up the opportunity for the development of a single dwelling unit on each of the proposed parcels. However, each dwelling unit would be used and occupied exclusively by the business proprietor, or by an employee specifically employed as a caretaker or watchman for the business on site. While there is a single dwelling unit for the entire 18.38-acre parcel currently, the anticipated establishment of four new businesses could allow the subsequent development of a single dwelling unit on each parcel, as a result of this proposal.

**Table 1** identifies the existing uses, General Plan designation and Zoning designations for the subject property and neighboring properties.

Table 1: Existing Uses and Land Use Designations			
	Existing Uses	General Plan	Zoning Designations
<b>Project Site:</b>	Residential	Service Commercial	SC
North:	Residential	Industrial	M
East:	Agriculture/Farming	Intensive Agriculture	AE-40
South:	Residential	Intensive Agriculture	AE-40
West:	Businesses/mixed	Service Commercial	SC

## CHAPTER 3

### ENVIRONMENTAL CHECKLIST

#### PURPOSE OF THIS INITIAL STUDY

This Initial Study has been prepared consistent with CEQA Guidelines Section 15063, to determine if the project, as proposed, may have a significant effect upon the environment. A significant impact is considered a substantial adverse effect, one that exceeds some critical and accepted threshold for negative environmental effects. CEQA defines a significant effect on the environment as "...a substantial, or potentially substantial, adverse (i.e., negative) change in any of the physical conditions within the area directly or indirectly caused by the Project, including effects on land, air, water, flora, fauna, ambient noise, and objects of historic or aesthetic "significance" (CEQA Guidelines, §15382). As recommended in the CEQA Guidelines, impacts are also identified as "potentially significant" prior to mitigation.

Mitigation measures are measures to mitigate, avoid, or substantially lessen impacts identified as significant or potentially significant. According to CEQA, the term "mitigation measures" refers to those items that are in addition to standard conditions, uniform codes, or project features that may also reduce potential impacts.

#### ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist, and corresponding discussion on the following pages.

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



<b>DETERMINATION</b> On the basis of this initial evaluation:	
<input type="checkbox"/>	I find that the proposed project <b>COULD NOT</b> have a significant effect on the environment, and a <b>NEGATIVE DECLARATION</b> will be prepared.
<input checked="" type="checkbox"/>	<b>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.</b>
<input type="checkbox"/>	I find that the proposed project <b>MAY</b> have a significant effect on the environment, and an <b>ENVIRONMENTAL IMPACT REPORT</b> is required.
<input type="checkbox"/>	I find that the proposed project <b>MAY</b> 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 analysis as described on attached sheets. An <b>ENVIRONMENTAL IMPACT REPORT</b> is required, but it must analyze only the effects that remain to be addressed.
<input type="checkbox"/>	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 <b>NEGATIVE DECLARATION</b> pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or <b>NEGATIVE DECLARATION</b> , including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

*Andy Popper*

April 17, 2024

Andy Popper, Principal Planner

**I. AESTHETICS**

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 non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**a) Would the project have a substantial adverse effect on a scenic vista?**

**No Impact.** A scenic vista is defined as a viewpoint that provides expansive views of a highly valued landscape for the benefit of the general public. There are no designated scenic vistas on or adjacent to the subject property. The surrounding topography is flat. The project site itself is not a notably visible or scenic vista within the County. Available views in the area would generally continue to be available from the roadways and area surrounding the project site. Therefore, it is concluded there will be no impact.

**b) Would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?**

**No Impact.** Scenic resources may be defined as those landscape patterns and features that are visually or aesthetically pleasing and that, therefore, contribute affirmatively to the definition of a distinct community or region. Scenic areas, open spaces, rural landscapes, vistas, country roads, and other factors interact to produce a net visual benefit upon individuals or communities. Those visual resources that uniquely contribute to that public benefit may be considered scenic resources under CEQA.

The proposed project would not remove scenic resources such as buildings (historic or otherwise), rock outcroppings, or trees. There are no unique scenic

resources or structures located at the project site. The roadways in Glenn County are not listed as Eligible or as Officially Designated Scenic Highways according to the California Department of Transportation.<sup>1</sup> The project as proposed will not damage scenic resources in the area. Therefore, it is concluded there is no impact.

- c) **Would the project in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?**

**Less Than Significant Impact.** Visual character is descriptive and non-evaluative, which means it is based on defined attributes that are neither good nor bad in and of themselves. It is the objective composition of the visible landscape within a viewshed. It is the viewer's perception of the visual environment and varies based on exposure, sensitivity, and expectation of the viewers.

The surrounding landscape consists of agricultural and industrial land uses. The project will not substantially degrade the existing scenic farmland view or quality of its surroundings. The project will not interfere with the existing natural landscape which provides surrounding communities with unique scenic views that bring about a sense of pride and individuality. After the establishment of business operations, each of the proposed parcels is allowed one dwelling unit, used and occupied exclusively by the business proprietor, or by an employee specifically employed as a caretaker or watchman for the business on site.

If constructed, the businesses will not result in a significant impact on the existing view or quality of the site and its surroundings. Therefore, it is concluded that there will be less than significant impact.

- d) **Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?**

**Less Than Significant Impact.** Besides a pre-existing single residence with a water well and onsite wastewater treatment facility on the designated remainder, the project site is largely undeveloped. The project site zoning permits business operations and possibly a single dwelling unit on each parcel following the establishment of businesses. The area surrounding the project site generally has low levels of ambient lighting, emanating predominantly from nearby industrial operations, other service commercial uses, and vehicle headlights on county roads.

The installation of any future lighting will be required to conform to the Glenn County Code. Glenn County Code §15.56.080 (Glare and Heat) requires that all exterior lighting accessory to any use be hooded, shielded or opaque. The Code

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<sup>1</sup> California Department of Transportation. *Officially Designated State Scenic Highways*.  
<https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways>

further bans unobstructed beams of light from being directed beyond any exterior lot line.

New exterior lighting is required to conform to this standard. These codified design standards reduce the potential impact from future development to a less than significant level. An additional four businesses would not generate substantial sources of light/glare to a level that would adversely affect day or nighttime views in the area. It is therefore concluded that there will be a less than significant impact from light and glare.

## II. AGRICULTURE AND FOREST 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 Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board.

Would the project:		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- a) **Would the project 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?**

**Less Than Significant Impact.** The California Department of Conservation, Division of Land Resource Protection, Farmland Mapping and Monitoring Program (FMMP), tracks and categorizes land with respect to agricultural resources. Farmland is classified according to its ability to support crops or livestock. Land is designated as one of the following and each has a specific definition: Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, Farmland of Local Potential, Grazing Land, Urban and Built-Up Land, and Other Land.

The designation of Prime Farmland or Farmland of Statewide Importance covers the majority of the valley portion of Glenn County. The 2018 FMMP map designates most of the project site as Farmland of Local Importance.

California Department of Conservation defines Prime Farmland as *“Land of importance to the local agricultural economy as determined by each county’s board of supervisors and a local advisory committee.”*

The site is currently not under any agricultural use and the project site is zoned for “SC” - Service Commercial (General Plan) purposes. Previously, the project site was used as an outdoor car storage. Apart from the single dwelling unit, water well and onsite wastewater treatment facility located on the designated remainder, the project site is undeveloped and vacant. Therefore, this project will have minimal new impacts to the surrounding agricultural resources. It is concluded that there will be a less than significant impact.

- b) **Would the project conflict with existing zoning for agriculture use, or a Williamson Act contract?**

**No Impact.** The project site is not subject to an agricultural contract under the Williamson Act and would not convert agricultural land to non-agricultural use. The project is in the Service Commercial zone; therefore, the project will not result in the removal of contracted land from agricultural use. It is concluded that there will be no impact on existing zoning for agricultural use or a Williamson Act contract.

- c) **Would the project 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))?**

**No Impact.** The proposed project will not conflict with existing zoning for, or cause rezoning of, forestland, timberland, or timberland zoned Timberland Production. The project site is not zoned for forestland or timberland use nor are adjacent

lands; there are no forestland or timberland resources on or surrounding the project site. The “FA” Foothill Agricultural/Forestry Zone and “TPZ” Timberland Preserve Zone (Chapters 15.32 and 15.45 of the Glenn County Code) were created to protect timber and forested lands. Areas zoned “FA” and “TPZ” are located within the Mendocino National Forest in the western area of Glenn County where timber resources are located; therefore, the project will have no impact.

**d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?**

**No Impact.** Forest land is defined in Public Resources Code section 12220(g) as land that can support 10-percent native tree cover of any species, including hardwoods, under natural conditions, and that allows for management of one or more forest resources, including timber, aesthetics, fish and wildlife, biodiversity, water quality, recreation, and other public benefits. This project will not result in the loss of forestland, as the project site does not contain land meeting the aforementioned definition. As a result, there is no impact because of this project.

**e) Would the project 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?**

**Less Than Significant Impact.** There may be minimal changes, if new businesses were to be constructed in the existing environment, that would neither result in the conversion of these vacant lots to non-agricultural use, nor conversion of forestland to non-forest use. As discussed in Section II. a) minimal conversion of land from agriculture to another use could not occur as a result of the proposed project. In addition, there are no timber or forest resources on the subject property. It is concluded that there will be a less than significant impact.

**III. AIR QUALITY**

Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations:

Would the project:		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"/>
d)	Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

e)	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"/>
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The Air Quality section addresses the impacts of the proposed project on ambient air quality and the exposure of people, especially sensitive individuals, to unhealthy pollutant concentrations. Examples of criteria pollutants (according to California Ambient Air Quality Standards) include ozone (O<sub>3</sub>), carbon monoxide (CO), sulfur oxides (SO<sub>x</sub>) and nitrogen dioxide (NO<sub>2</sub>)<sup>2</sup>.

Geographic areas are classified under the federal and California Clean Air Act (CCAA) as in either attainment or nonattainment for each criteria pollutant based on whether the Ambient Air Quality Standards have been achieved. The CCAA requires air districts which have been designated as a nonattainment area for California Ambient Air Quality Standards for ozone, carbon monoxide, sulfur dioxide, or nitrogen dioxide to prepare and submit a plan for attaining and maintaining the standards. Glenn County is within the Northern Sacramento Valley Planning Area air district.

The California Clean Air Act of 1988 also requires that districts review their progress made toward attaining the CAAQS every three years. The 2018 Triennial Air Quality Attainment Plan is the latest Air Quality Attainment Plan that has been prepared for the Northern Sacramento Valley Planning Area.

The 2018 plan assesses the progress made in implementing the previous triennial update completed in 2015 and proposes modifications to the strategies necessary to attain the CAAQS by the earliest practicable date. The 2018 plan includes the following:

1. Assessment of progress towards achieving the control measure commitments in the previous Triennial Plan.
2. Summary of the last three years of ozone data to demonstrate improvement of air quality.
3. Comparison of the expected versus actual emission reductions for each measure committed to in the previous Triennial Plan.
4. Updated control measure commitments and growth rates of population, industry, and vehicle related emissions.

**a) Would the project conflict with or obstruct implementation of the applicable air quality plan?**

**Less Than Significant Impact.** Air quality standards are set at both the federal and state levels. The Glenn County Air Pollution Control District (GCAPCD) is responsible for the planning and maintenance/attainment of these standards at the local level. The GCAPCD sets operational rules and limitations for businesses that emit significant amounts of criteria pollutants. The GCAPCD is supervised by the U.S. Environmental Protection Agency.

<sup>2</sup> Northern Sacramento Valley Planning Area 2018 Triennial Air Quality Attainment Plan  
<http://airquality.org/SVBAPCC/Documents/2018%20Triennial%20Report.pdf>

Under the federal Clean Air Act, local air quality districts must produce and implement plans for cleaning up any pollutant that exceeds federal standards. Local air districts are not able to enact rules that restrict "mobile sources" including cars, trucks, locomotives, and other vehicles. Only "stationary sources" of air pollution fall under their control. Mobile sources are regulated by the California Air Resources Board.

The proposal will not conflict with or obstruct implementation of an applicable air quality plan. The Air Quality section of the Glenn County General Plan establishes mitigation measures and implementation program designed to reduce particulate matter (PM) and ozone precursors in the ambient air as a result of emissions from sources that attract or generate motor vehicle activity.

The proposal is in compliance with the Air Quality Attainment Plan. No mitigation measures are required for this proposal as it will have a less than significant impact. Glenn County has been designated as an attainment area for ozone and there have been no exceedances of the maximum ozone values for 1- hour or 8-hour standard since 2010.

The proposed project seeks to divide one existing parcel into four resultant parcels, along with a designated remainder. Once business operations are in place, a single dwelling per parcel is permitted within the Service Commercial district (with an Administrative Permit).

The establishment of four new businesses on proposed Parcel One, Two, Three and Four will not conflict with, or obstruct the implementation of the Air Quality Attainment Plan; therefore, a less than significant impact is anticipated.

- b) Would the project 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?**

**Less Than Significant Impact.**

See Section III a) above.

Each project with emissions falling under regulatory standards must individually comply with the GCAPCD regulations. When adopting the General Plan in 1993, the Glenn County Board of Supervisors adopted a Statement of Overriding Considerations finding that the unavoidable impact to air quality could be overridden because any project would represent a cumulative impact and that the General Plan employed all feasible mitigations. In addition, each project would be required to utilize the best available control technology to mitigate impacts to air quality.

Glenn County has been designated as an attainment area by the CCAA; additionally, there have been no exceedances of the maximum ozone values for 1-hour or 8-hour standard since 2010. An "Attainment" area is defined as a geographic area that meets or exhibits values lower than the level of a criteria air



pollutant allowed by the federal standards; a “Nonattainment” area is defined as a geographic area in which the level of a criteria air pollutant is higher than the level allowed by the federal standards.

A significant increase in Vehicle Miles Traveled (VMT) is not anticipated as a result of this project. While the site does have the potential for up to four businesses to be established if fully developed; this development is not anticipated to significantly increase VMT due to the existing use of the roads.

Office of Planning Research defines a per capita increase under fifteen percent as a reasonable threshold. The project is not anticipated to significantly increase VMT, nor is it anticipated to substantially increase population, both of which are major contributors to pollutants.

It is therefore, concluded that the impact from the proposal is less than significant.

**c) Would the project expose sensitive receptors to substantial pollutant concentrations?**

**Less Than Significant Impact.** Neither California statutes nor regulations define “sensitive receptors” but this term normally refers to locations where uses and/or activities result in increased exposure of persons more sensitive to the unhealthy effects of emissions (such as children and the elderly). Examples of sensitive receptors include schools, hospitals, churches, recreation areas and residential areas. The proposed project is located in an area zoned “Service Commercial” and land uses within the vicinity of the project site include agricultural and industrial operations. There are no schools, churches, hospitals, recreation areas, or other public facilities within the vicinity of the project site.

All uses at the site are still required to comply with applicable local, state and federal laws and regulations regarding contaminants and pollutants (Glenn County Code §15.56.040). These requirements include, but are not limited to, emissions of suspended particles, carbon monoxide, hydrocarbons, odors, toxic or obnoxious gases and fumes. The potential of new businesses is not anticipated to significantly expose sensitive receptors to pollutants as this proposal is not anticipated to significantly increase VMT and as a result have a less than significant impact on air pollution. As none of these impacts are expected to occur beyond lawful limits impacts are anticipated to be less than significant.

**d) Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?**

**Less Than Significant Impact.** Odors are generally labeled as a nuisance and not a health risk to a community. It is a violation for odor to cause a nuisance according to GCAPCD, which has jurisdiction over odor complaints and can issue Notices of Violation according to state and local nuisance regulations if warranted. "Nuisance" includes anything which is injurious to human health, indecent or offensive to the senses, interferes with the comfortable enjoyment of life or property, affects at the same time, an entire community, neighborhood, household

or any considerable number of persons although the extent of annoyance, or damage inflicted upon an individual may be unequal, and which occurs as a result of the storage, removal, transport, processing or disposal of solid waste.

All land uses are required to comply with applicable local, state and federal laws and regulations regarding contaminants and pollutants (Glenn County Code §15.56.040). These requirements include, but are not limited to, emissions of suspended particles, carbon monoxide, hydrocarbons, odors, toxic or obnoxious gases and fumes. GCAPCD will regulate future uses that may generate objectionable odors through the enforcement of applicable law.

The project site and vicinity consist of agricultural, residential, and industrial uses. It is anticipated that this project will not generate objectionable odors, which will affect a substantial number of people. Potential receptors in agricultural areas are subject to Glenn County's Right to Farm Ordinance and should expect inconveniences caused by odors associated with existing standard agricultural operations or practices. Business owners must sign and acknowledge this ordinance prior to the construction of a business, in or adjacent to an agricultural zone.

The project would not directly result in the creation of objectionable odors as the project does not include any new features that would create objectionable odors. Given this information, impacts are considered 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 Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 Wildlife or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

	resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f)	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Regulatory Background

### Special-Status Species

Special-status species include those plants and wildlife species that have been formally listed, are proposed as endangered or threatened, or are candidates for such listing under the federal Endangered Species Act (ESA) or California Endangered Species Act (CESA). These acts afford protection to both listed and proposed species. In addition, California Department of Fish and Wildlife (CDFW) Species of Special Concern, which are species that face extirpation in California if current population and habitat trends continue, U.S. Fish and Wildlife Service (USFWS) Birds of Conservation Concern, and CDFW special-status invertebrates, are all considered special-status species.

- Although CDFW Species of Special Concern generally have no special legal status, they are given special consideration under the California Environmental Quality Act (CEQA). In addition to regulations for special-status species, most birds in the United States, including non-status species, are protected by the Migratory Bird Treaty Act of 1918. It is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird, except as otherwise provided by the Fish and Game Code or any regulation made pursuant thereto. Section 3503.5 states that it is unlawful to take, possess, or destroy any birds in the orders Falconiformes or Strigiformes (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by the Fish and Game Code or any regulation adopted pursuant thereto. Section 3513 states that it is unlawful to take or possess any migratory nongame bird as designated in the federal Migratory Bird Treaty Act. Moreover, Fish and Game Code protections for nesting and migratory birds apply regardless of the time of year, and a few bird species (e.g., Anna’s hummingbird (*Calypte anna*), great horned owl (*Bubo virginianus*), etc.) may nest during the winter and fall months.

### Waters of the United States

The U.S. Army Corps of Engineers (Corps) regulates “Waters of the United States” under Section 404 of the Clean Water Act. Waters of the U.S. are defined in the Code of Federal Regulations (CFR) as waters susceptible to use in commerce, including interstate waters and wetlands, all other waters (intrastate waterbodies, including wetlands), and their tributaries (33 CFR 328.3). Potential wetland areas, according to the three criteria used

to delineate wetlands as defined in the *Corps of Engineers Wetlands Delineation Manual*<sup>3</sup>, are identified by the presence of (1) hydrophytic vegetation, (2) hydric soils, and (3) wetland hydrology. Areas that are inundated at a sufficient depth and for a sufficient duration to exclude growth of hydrophytic vegetation are subject to Section 404 jurisdiction as “other waters” and are often characterized by an ordinary high-water mark. Other waters, for example, generally include lakes, rivers, and streams. The placement of fill material into Waters of the U.S. generally requires an individual or nationwide permit from the Corps under Section 404 of the Clean Water Act.

### Waters of the State

The term “Waters of the State” is defined by the Porter-Cologne Act as “any surface water or groundwater, including saline waters, within the boundaries of the state.” The Regional Water Quality Control Board (RWQCB) protects all waters in its regulatory scope and has special responsibility for wetlands, riparian areas, and headwaters. These water bodies have a high resource value, are vulnerable to filling, and are not systematically protected by other programs. RWQCB jurisdiction includes “isolated” wetlands and waters that may not be regulated by the Corps under Section 404. Waters of the State are regulated by the RWQCB under the State Water Quality Certification Program, which regulates discharges of fill and dredged material under Section 401 of the Clean Water Act and the Porter-Cologne Water Quality Control Act. Projects that require a Corps 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 Water Quality Certification determination. If a proposed project does not require a federal permit, but does involve dredge or fill activities that may result in a discharge to Waters of the State, the RWQCB has the option to regulate the dredge and fill activities under its state authority in the form of Waste Discharge Requirements.

### Streams, Lakes, and Riparian Habitat

Streams and lakes, as habitat for fish and wildlife species, are subject to jurisdiction by CDFW under Sections 1600-1616 of California Fish and Game Code. Alterations to or work within or adjacent to streambeds or lakes generally require a 1602 Lake and Streambed Alteration Agreement. The term “stream”, which includes creeks and rivers, is defined in the California Code of Regulations (CCR) as “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 [including] 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.<sup>4</sup> “Riparian” is defined as “on, or pertaining to, the banks of a stream.” Riparian vegetation is defined as “vegetation which occurs in and/or adjacent to a stream and is dependent

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<sup>3</sup> Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. Department of the Army, Waterways Experiment Station, Vicksburg, Mississippi 39180-0631.  
<https://www.lrh.usace.army.mil/Portals/38/docs/USACE%2087%20Wetland%20Delineation%20Manual.pdf>

<sup>4</sup> California Department of Fish and Game. 1994. *A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code*. Environmental Services Division, Sacramento, CA.

on, and occurs because of, the stream itself.”<sup>5</sup> Removal of riparian vegetation also requires a Section 1602 Lake and Streambed Alteration Agreement from CDFW.

- a) **Would the project 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 Wildlife or U.S. Fish and Wildlife Service?**

### **Less Than Significant Impact**

#### Site Conditions and Surrounding Land Uses/Setting

The project site is currently vacant; neighboring properties are primarily being utilized for agriculture and industrial operations. The project site is relatively flat with minimal slope. Based on the approximate project site topography the project site is relatively flat with a slope of 0 - 1 degree and an elevation of approximately 216 feet above mean sea level; based upon this data the site drains south. National Wetlands Inventory Map has no record of any wetland close to the site.

California Department of Fish and Wildlife Agency were contacted regarding this project and they provided the following comments; potential vegetation removal and ground-disturbing activities associated with the proposed project have the potential to destroy or damage birds' nests. To avoid project impacts on birds' nests, eggs, and young, CDFW recommends a qualified biologist be retained to perform a pre-construction survey prior to starting any ground disturbing or vegetation removal activities. The biologist shall be knowledgeable and experienced in the biology, natural history, and survey methodology for local bird species. Surveys shall be conducted within a minimum ¼-mile of the project area for birds of prey and minimum 500 feet for other bird species, where possible. If an active nest is found, the qualified biologist shall establish a no-disturbance buffer around the nest. The width of the buffer shall be determined by the biologist based on the species, level of disturbance expected from Project activities, environmental conditions such as the presence or absence of visual barriers and/or sound barriers between the Project site and the nest, and any other relevant details. The buffer shall be maintained until the biologist determines that the nest is no longer active (i.e., the eggs or young are no longer dependent on the nest or the nest has failed). Under this legislation, destroying active nests, eggs, and young is illegal. Plant species on the California Native Plant Society (CNPS) Rare and Endangered Plant Inventory (Inventory) with California Rare Plant Ranks (Rank) of 1 and 2 are also considered special-status plant species and must be considered under CEQA. Rank 3 and Rank 4 species are afforded little or no protection under CEQA.

Since the property has been previously used as a car sales yard, access to the proposed property is already established, no ground disturbing activities or tree removal is proposed. It is therefore considered to have no impact regarding the destroying or damaging of birds' nests, or rare and endangered species.

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<sup>5</sup> California Department of Fish and Game. 1994. *A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code*. Environmental Services Division.

The California Natural Diversity Database (CNDDDB) is a positive-sighting database managed by the California Department of Fish and Wildlife (CDFW).<sup>6</sup> According to the CNDDDB, no sensitive species are located within the project site or one-mile vicinity.

The project site is not located in the vicinity of one of the twelve important biological areas defined in Table 2-5 of Volume III of the General Plan.<sup>7</sup> These important biological areas are primarily located within the riparian zones of the Sacramento River. The project site is not located within the vicinity of any area of special biological importance as shown on Figure 3-14 of Volume I of the General Plan.<sup>8</sup>

Many plant and wildlife species occur in specialized habitats, such as riparian, wetlands, marshes, ponds, and other aquatic habitats; the project site does not have any of these features. That Stony Creek is approximately 6.5 miles north of the project location has no bearing or significant effect on the project site. In addition, the property is listed as Zone X (unshaded) on FEMA flood map 06021C0400D, dated August 5, 2010. Moreover, there are no other sensitive natural communities that exist on the project site.

In addition, a search of the following records showed no special status species within the project site or surrounding area:

- U.S. Fish and Wildlife Service (USFWS) Critical Habitat Mapper
- California Native Plant Society (CNPS) Electronic Inventory

Agricultural and industrial uses will continue on contiguous sites and the status of the project site will momentarily remain the same. No endangered plant species exist within the project site. The project does not include activities that would adversely affect fisheries because the site is not located on a major watercourse. The project will have a less than significant impact 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.

**b) Would the project 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?**

**Less Than Significant Impact.** Riparian communities formerly occupied extensive stands within Glenn County; however, current riparian communities are principally located along the Sacramento River, Willow Creek, and Walker Creek. The project site is not located in the vicinity of any riparian community.

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<sup>6</sup> California Department of Fish and Wildlife. *California Natural Diversity Database*.  
<https://wildlife.ca.gov/Data/CNDDDB>.

<sup>7</sup> Quad Consultants. January 22, 1993. *Glenn County General Plan, Volume III, Environmental Setting Technical Paper*, Table 2-5.

<sup>8</sup> Quad Consultants. June 15, 1993. *Glenn County General Plan, Volume I, Policy Plan*, Figure 3-14.

According to the National Wetlands Inventory Map of the U.S. Fish and Wildlife Service<sup>9</sup>, the project site does not contain and wetlands or riparian areas. The project is not located within the vicinity of streams or creeks, which support riparian habitat.

The project does not involve changes to the physical environment, which would alter or destroy sensitive natural communities. Currently, the project site is largely vacant; therefore, there would be a less than significant impact on riparian habitat or other sensitive natural community.

**(c) Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

**Less Than Significant Impact.** Since the 1970s, the U.S. Army Corps of Engineers and the U.S. Environmental Protection Agency have used the following definition for wetlands for regulatory purposes: *“Wetlands are 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. Wetlands generally include swamps, marshes, bogs, and similar areas.”*

According to the National Wetlands Inventory Map of the U.S. Fish and Wildlife Service, no Wetlands are located on the project site. According to the California Central Valley Wetlands and Riparian GIS data sets of the California Department of Fish and Wildlife<sup>10</sup>, the project site is not designated as a protected wetland site. The project will not directly remove, fill, interrupt the hydrology of, or otherwise affect federally protected wetlands. Therefore, it is concluded that there will be a less than significant impact on federally protected wetlands as a result of this project.

**d) Would the project 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?**

**Less Than Significant Impact.** According to the Existing Conditions Report, the California Department of Fish and Wildlife has divided the State into 11 Deer Assessment Units (DAUs).<sup>11</sup> Glenn County’s is located within Unit 5 (Central Sierra) and Unit 8 (Central Coast-North). The deer herds of Unit 5 are largely migratory deer located within the west slope of the Sierra Nevada Mountain range, with smaller resident populations along the Sacramento Valley floor including

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<sup>9</sup> United States Fish and Wildlife Service. *National Wetlands Inventory*. <http://www.fws.gov/nwi>

<sup>10</sup> California Department of Fish and Wildlife. 2014. *California Central Valley Wetlands and Riparian GIS Data Sets*: <https://wildlife.ca.gov/Data/GIS/Clearinghouse>.

<sup>11</sup> Glenn County. *Glenn County Existing Conditions Report*. 2020. <https://static1.squarespace.com/static/5c8a73469b7d1510bee16785/t/5e556b56c253f84cdc287783/1582656403698/GlennCounty-ECR-Final-Feb2020.pdf>

Colusa County. The deer herds of Unit 8 are largely resident animals that exhibit some upslope/downslope movement with seasonal changes in weather and forage conditions. Deer within Glenn County are common within the forest communities where common habitat includes several oak species, western mountain mahogany, chamise, riparian-wetland areas, willow/birch, ceanothus, and manzanita. Deer are also common in the foothill communities where common habitat includes oak-woodland, oak-annual grass savanna, and chaparral shrub stands. Deer is less common, but can be found in the valley floor in agricultural fields, pastures, and riparian areas. Based on the project site's location there will be a less than significant impact on migration corridors.

Glenn County is located within the Pacific Flyway; a migratory corridor for birds moving between their winter and summer ranges. Winter waterfowl habitat is located within and surrounding the Sacramento National Wildlife Refuge, which is located in the southern part of the County. Many of these birds are protected by the Migratory Bird Treaty Act, which prohibits killing, possessing, or trading in migratory birds except in accordance with regulations prescribed by the United States Secretary of the Interior. The project would have no impact on migratory waterfowl and other birds migrating through the region because the project does not include features, which would draw migratory fowl to the area.

The project site remains largely ungraded; although it shall involve new activities on undisturbed ground. However, these activities would not alter or destroy migratory wildlife corridors. The project site does not contain native wildlife nursery habitat. The project would not significantly impede migratory wildlife corridors. Therefore, it is concluded the proposed project would have a less than significant impact upon the movement of any native resident or migratory wildlife species.

**e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

**No Impact.** The proposed project would not create a conflict with local policies or ordinances protecting biological resources because there are none within the area of the project. Therefore, it is concluded that there will be no impact.

**f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?**

**No Impact.** The proposed project would not create a conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan or other approved local, regional, or state habitat conservation plan because no plans have been adopted for this specific area. Therefore, it is concluded that there will be no impact.



## 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 type="checkbox"/>	<input checked="" 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 formal cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Cultural resources include prehistoric and historic period archeological sites; historical features, such as rock walls, cemeteries, water ditches and flumes, and architectural features. Cultural resources consist of any human-made site, object (i.e., artifact), or feature that defines and illuminates the past.

- a) **Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?**
- b) **Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

**Less Than Significant Impact with Mitigation Incorporated.** There is no evidence to suggest the presence of any human remains or burial sites located on or near the project site. The project site contains no known paleontological resources or unique geologic sites. Future development would be required to comply with the required procedures of conduct following the accidental discovery of human remains as mandated in the Health and Safety Code Section 7050.5, Public Resources Code Section 5097.98 and the California Code of Regulations Section 15064.5(e) (CEQA).

In compliance with CEQA Guideline §15064.5 (Determining the Significance of Impacts to Archaeological and Historical Resources), a request for a records search was submitted to the Northeast Information Center (NEIC), a member of the California Historical Resources Information System (CHRIS), for a previous project on this property to determine if any cultural places are located within the project site. The site has not been previously surveyed for historical resources. Based on comments from California Historical Resources Information Systems (CHRIS), possible areas of sensitivity would include the southern portion of the parcel adjacent to the railroad and gravel pit.

There is no record of prehistoric or historic resources having been recorded in the project area or within a one-mile radius of the area. However, that does not preclude the presence of unrecorded prehistoric or historic cultural resources. According to the California Historical Resources Information Systems (CHRIS), a historic gravel pit site has been informally documented approximately 100 yards south of the project. Based on that record, to ensure the avoidance and protection of any existing, or newly identified

resources, sensitivity assessments and recommendations by a professional archeologist prior to ground disturbances, were recommended.

The project site is not known to have historically significant characteristics as defined by the criteria within Section 15064.5 of the Public Resource Code. The site does not include structures which may be historically significant and may be eligible for listing on the California Register of Historic Resources. The project site has not been used for agricultural activities which may have repeatedly disturbed the project surface and soils to varying depths. See Mitigation Measure CR -1 (Cultural Resources) below.

**c) Would the project disturb any human remains, including those interred outside of formal cemeteries?**

**Less than Significant Impact with Mitigation Incorporated.** The project site is currently vacant and there is no evidence to suggest the presence of any human remains or burial sites located on or near the project site. The potential exists during construction to possibly uncover previously unidentified resources. Future development would be required to comply with the required procedures of conduct following the accidental discovery of human remains as mandated in the Health and Safety Code Section 7050.5, Public Resources Code Section 5097.8, and the California Code of Regulations Section 15064.5(e) (CEQA). Section 7050.5 of the California Health and Safety Code states that if human remains are found during construction activities, all operations are to cease until the County coroner has determined that the remains are not subject to the provisions of law concerning investigation of the circumstances in the manner provided in Section 5097.98 of the Public Resources Code. The potential exists to possibly uncover previously unidentified resources; therefore, it is concluded that there is a less than significant impact with mitigation incorporated.

**Mitigation Measure CR -1 (Cultural Resources)**

In the event that any prehistoric or historic subsurface cultural (including Tribal) resource are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources are carried out. All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

Timing/Implementation: During Construction/Excavation Activities

Enforcement/Monitoring: Planning & Community Development Services Agency

## 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"/>

**a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?**

**Less Than Significant Impact.** The proposal will not result in a significant impact due to wasteful, inefficient or unnecessary consumption. The land division could provide for the permitting of new businesses. However, any future development must comply with California Green Building Standards as well as California Energy Code. Impacts are anticipated to be less than significant. A request for review was sent to PG&E and based on their comment, the proposed improvements do not directly interfere with existing PG&E facilities, or impact its easement rights as a utility provider. PG&E reminds the applicant that before any digging or excavation occurs, they should contact Underground Services Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This will ensure underground utilities are identified and marked on-site.

**b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?**

**Less Than Significant Impact.** This proposal will not conflict with any state or local renewable energy plan or efficiency. This proposal is required to conform with the Glenn County Energy Element. Future development would be required to comply with the updated Title 24 of the California Code of Regulations established by the Energy Commission regarding emergency conservation standards.

**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 checked="" type="checkbox"/>	<input type="checkbox"/>
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**a) Would the project 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.**

**ii) Strong seismic ground shaking?**

**Less Than Significant Impact.** Fault rupture occurs when an active fault displaces in two separate directions during an earthquake. Concern about the growing number of structures located on or near active and potentially active faults led the State of California to enact the Alquist-Priolo Geologic Hazard Zone Act of 1972. The Act was revised in 1975 and renamed the Alquist-Priolo Special Studies Zone Act. Sudden surface rupture from severe earthquakes can cause extensive property damage, but even the slow movement known as “fault creep” can cause displacement that results in offset or disfiguring of curbs, streets, and buildings.

According to the Glenn County Existing Conditions Report, Glenn County is in a generally inactive seismic area. There are no Alquist-Priolo Special Studies Zones within the County. During the past 100 years, the County has experienced only minor earthquakes within its boundaries and secondary impacts from earthquakes centered out of the area. Projections of future impacts are low to moderate. Glenn County is in a Seismic Design Load “D” according to the Uniform Building Code (UBC). All construction in the County is required to meet the standard set by the UBC for this area.

According to the Glenn County Existing Conditions Report, Glenn County is considered to be within an area that is predicted to have a 10 percent probability that a seismic event would produce horizontal ground shaking of 10 to 20 percent within a 50-year period. This level of ground shaking correlates to a Modified Mercalli intensity of V to VII, light to strong.

The seismic history of Glenn County shows the area to be generally stable. Glenn County’s stability can be correlated with its location away from tectonic plate boundary convergence/divergence and its location away from major active faults with high slip rates. Additionally, new development shall comply with California Unified Building Code including section 1613 Earthquake Loads. Given this data, seismic related activities such as rupture of known earthquake faults and strong seismic ground shaking would have a less than significant impact on people and structures in the area of the project.

**iii) Seismic-related ground failure, including liquefaction?**

**Less Than Significant Impact.** Liquefaction is defined as the transformation of a granular material from a solid state into a liquefied state resulting from increased pore water pressure. Ground shaking resulting from an earthquake is capable of providing the mechanism for liquefaction.

Due to the lack of seismic activity in Glenn County, it is unlikely that liquefaction or other ground failure of this type would occur. Liquefaction generally occurs in low-lying areas with saturated soils and its effects are commonly observed near water bodies. Soils with a loose structure, such as sand, are more susceptible to liquefaction when saturated.

According to The California Department of Conservation Earthquake Zones of Required Investigation map, the project site is not in a Liquefaction Zone.<sup>12</sup> Further, the California Geologic Survey does not list Glenn County as an area where seismic activity affects soil stability. It is concluded that there is a less than significant impact. Also see a) i-ii) above.

**iv) Landslides?**

**No Impact.** Landslides include phenomena that involve the downslope displacement and movement of material, either triggered by static (gravity) or dynamic (earthquake) forces. Areas susceptible to landslides are typically characterized by steep, unstable slopes in weak soil or bedrock units.

According to The California Department of Conservation Earthquake Zones of Required Investigation map, the project site is not in a Landslide Zone. The topography of the site and surrounding area is relatively flat; therefore, it is not susceptible to slope failures and landslides. Therefore, it is concluded that there will be no impact.

**b) Would the project result in substantial soil erosion or the loss of topsoil?**

**Less Than Significant Impact.** Soil erosion occurs through either water or wind action. Erosion by water includes sheet, rill, ephemeral gully, classical gully, and stream bank erosion. The project site is generally flat. Severe erosion typically occurs on moderate slopes of sand and steep slopes of clay subjected to concentrated water runoff. Disruption of soils on the site is not expected to create significant soil erosion due to the flat topography on the site. All future construction at the site is required to conform to the Glenn County Code, which includes Glenn County Code Section 15.70 (Leveling of Land-Drainage Changes). The project would therefore not result in substantial soil erosion or the loss of topsoil. It is concluded that there will be a less than significant impact.

**c) Would the project 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?**

**Less Than Significant Impact.** This proposal will have a less than significant impact on soil involving unstable soils that may result in on- or off-site landslides, lateral spreading, subsidence, liquefaction, or collapse. Soils and the geology of the project site are generally stable because of the area's seismic stability and low relief (see Section VI. a) i) above).

On or Off-Site Landslide

Landslide potential in the County generally correlates with relief. According to The California Department of Conservation Earthquake Zones of Required

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<sup>12</sup> California Department of Conservation. *Earthquake Zones of Required Investigation Map*.  
<https://maps.conservation.ca.gov/cgs/eqzapp/app/>

Investigation map, the project site is not in a Landslide Zone. Landslides are not a threat because the site is not located in an area with a great amount of relief.

#### Lateral Spreading

There is a low probability for lateral spreading to occur because of the area's seismic stability. All future construction is required to meet the standards set by the UBC, which will reduce impacts from lateral spreading.

#### Subsidence

Land subsidence is a gradual settling or sudden sinking of the Earth's surface owing to subsurface movement of earth materials. The principal causes of subsidence are aquifer-system compaction, drainage of organic soils, underground mining, hydro compaction, natural compaction, sinkholes, and thawing permafrost.<sup>13</sup>

Glenn County is being monitored for subsidence through 58 monitoring stations. There have been cases of Subsidence within Glenn County; however, there have been no cases of subsidence at the project site.<sup>14</sup> All future construction is required to meet the standards set by the UBC, which will reduce impacts from possible subsidence. Business operations at the project site will not increase and will not have a significant impact on subsidence.

#### Liquefaction/Collapse

Liquefaction occurs when loosely packed sandy or silty materials saturated with water are shaken enough to lose strength and stiffness. Liquefied soils behave like a liquid and are responsible for damage during an earthquake, causing pipes to leak, roads and airport runways to buckle, and building foundations to be damaged. There is a low probability for liquefaction and ground collapse to occur because of the area's seismic stability. Future construction in compliance with the UBC will reduce impacts from liquefaction and collapse.

There is no record of any incidents of unstable geologic units in the project area. Based on the information provided above, it is concluded that there will be a less than significant impact.

- d) **Would the project 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?**

**Less Than Significant Impact.** Expansive soils are those that shrink or swell with the change in moisture content. The volume of change is influenced by the quantity of moisture, by the kind and amount of clay in the soil, and by the original porosity of the soil. According to the Glenn County Existing Conditions Report, most of Glenn County has high expansive soils. Soils containing a high clay content often exhibit a generally high potential to expand when saturated, and contract when dried out. This shrink/swell movement can adversely affect building foundations,

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<sup>13</sup> U.S. Geological Survey. December 2000. *Land Subsidence in the United States*, USGS Fact Sheet -165-00. <http://water.usgs.gov/ogw/pubs/fs00165/>.

<sup>14</sup> CA. Department of Water Resources. February 2015. Glenn County GPS Subsidence

often causing them to crack or shift, with resulting damage to the buildings they support.

There would be no substantial risks to life or property from this project because all future development will require compliance with the UBC to avoid potential unstable earth conditions or changes in geologic substructures.

As part of the building permit process for future structures on the project site, the Glenn County Building Division will ensure that the foundations of all new structures are adequately designed for the shrink/swell characteristics of expansive soils and no significant impacts to life or property are expected. An engineer will be required to design the footings for future structures to address soil conditions. California Building Code compliance reduces potential impacts from expansive soils to a less than significant level.

- e) **Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?**

**Less Than Significant Impact.** The Glenn County Environmental Health Department replied to the Request for Review and submitted comments regarding the proposal. Compliance with Glenn County Environmental Health standards would ensure that any current or proposed septic systems are properly operating, and any expansion of the system is designed with respect to on-site soil capabilities for the safe treatment and disposal of wastewater and the protection of groundwater quality. Therefore, this impact would be less than significant.

- f) **Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

**Less Than Significant Impact.** The project site contains no known paleontological resources or unique geologic sites; therefore, it is concluded there will be a less than significant impact. Also see the Cultural and Tribal Resources sections.

**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"/>



## Legislative/Regulatory

The Governor of California signed Executive Order S-3-05 (EO), in June 2005, which established statewide reduction targets for greenhouse gases. The EO states that emissions shall be reduced to 2000 levels by 2010, to 1990 levels by 2020, and by 2050 reduced to 80 percent of the 1990 levels. Assembly Bill 32, the California Global Warming Solutions Act, 2006 (AB 32), was signed into law in September 2006. AB 32 finds that global warming poses a serious threat to the economic wellbeing, public health, natural resources, and the California environment. It establishes a state goal of reducing greenhouse gas emissions to 1990 levels by the year 2020, which would be a 25 percent reduction from forecasted emission levels.

Senate Bill 97 (SB 97) was approved by the Governor of California in August 2007. SB 97 requires the Governor's Office of Planning and Research (OPR) to prepare, develop, and transmit guidelines to the Resources Agency for the feasible mitigation of greenhouse gas emissions or the effects of greenhouse gas emissions, as required by CEQA. In April 2009, OPR submitted to the Secretary for Natural Resources its proposed amendments to the CEQA Guidelines for greenhouse gas emissions, as required by Senate Bill 97 (Chapter 185, 2007). The Natural Resources Agency (Resources Agency) conducted formal rulemaking prior to certifying and adopting the amendments, as required by Senate Bill 97. The Resources Agency adopted the proposed amendments and transmitted the amendments to the Office of Administrative Law on December 31, 2009. The Office of Administrative Law reviewed the Adopted Amendments and the Natural Resources Agency's rulemaking file. The Adopted Amendments were filed with the Secretary of State and became effective March 18, 2010.

These CEQA Guidelines amendments provide guidance to public agencies regarding the analysis and mitigation of the effects of greenhouse gas emissions in draft CEQA documents. The greenhouse gas guidelines fit within the existing CEQA framework by amending existing Guidelines to reference climate change.

Greenhouse gases (GHGs), as defined by the Health and Safety code, include but are not limited to water vapor, carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), ozone (O<sub>3</sub>), and chlorofluorocarbons (CFCs) (Health and Safety Code §38500 et seq.). These gases all act as effective global insulators, reflecting back to earth visible light and infrared radiation.

GHGs are present in the atmosphere naturally, released by natural sources, or formed from secondary reactions taking place in the atmosphere. In the last 200 years, substantial quantities of GHGs have been released into the atmosphere. These extra emissions are increasing GHG concentrations in the atmosphere, enhancing the natural greenhouse effect, which is believed to cause global warming. While manmade GHGs include carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), some (like CFCs) are completely new to the atmosphere.

Natural sources of carbon dioxide (CO<sub>2</sub>) include respiration (breathing) of animals and plants and evaporation from the oceans. Together, these natural sources release about 150 billion tons of CO<sub>2</sub> each year, far outweighing the seven billion tons of manmade emissions from fossil fuel burning, waste incineration, deforestation, and cement manufacture. Nevertheless, natural removal processes such as photosynthesis by land

and ocean-dwelling plant species cannot keep pace with this extra input of manmade CO<sub>2</sub>, and consequently the gas is building up in the atmosphere.

Methane (CH<sub>4</sub>) is produced when organic matter decomposes in environments lacking sufficient oxygen. Natural sources include wetlands, termites, and oceans. Man-made sources include the mining and burning of fossil fuels, digestive processes in ruminant animals such as cattle, rice paddies, and the burying of waste in landfills. Total annual emissions of CH<sub>4</sub> are about 500 million tons, with manmade emissions accounting for the majority. The major removal process of atmospheric methane – chemical breakdown in the atmosphere – cannot keep pace with source emissions, and CH<sub>4</sub> concentrations in the atmosphere are increasing. <sup>15</sup>

**a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

**Less Than Significant Impact.** The GHG emissions associated with the residential use at the site will continue to occur, with or without the project.

Apart from the proposed land division, no firm changes are currently proposed for the parcel, as it remains largely vacant with only one preexisting dwelling and shed located towards the southern end of the parcel. However, there is the potential for new business operations to be established when developed. According to California Office and Planning Research, VMT has a direct correlation to greenhouses gas emissions, air quality and energy. Four additional businesses have the potential to increase VMT; however, potential development is not anticipated to significantly increase VMT. On average, there are 2.92 persons per household in Glenn County <sup>16</sup>, Four new businesses would increase population by approximately 11.68 persons. An increase in population by 11.98 persons is not a substantial increase in population. As the proposal is not anticipated to significantly increase Vehicle Miles Traveled Greenhouse Gas Emissions are also not anticipated to significantly increase or have a significant impact on the environment.

Future residential and non-residential uses must comply with standard green building and energy efficiency standards that would reduce potential GHG emissions. Consistent with the CBC and Title 24 Energy Code standards, the incorporation of green building measures, as applicable for a residence, would reduce energy and water consumption, which would also reduce GHG emissions. Because of the energy efficiency practices in place for future construction, future uses are not expected to make a substantial contribution of GHG emissions, and a less than significant impact would result.

It is concluded that the proposed project would have a less than significant impact on emissions of GHG's and climate change.

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<sup>15</sup> State of California. September 2006. *Assembly Bill 32 California Global Warming Solutions Act of 2006*, [http://www.leginfo.ca.gov/pub/05-06/bill/asm/ab\\_0001-0050/ab\\_32\\_bill\\_20060927\\_chaptered.pdf](http://www.leginfo.ca.gov/pub/05-06/bill/asm/ab_0001-0050/ab_32_bill_20060927_chaptered.pdf)

<sup>16</sup> United States Census Bureau, Glenn County, <https://www.census.gov/quickfacts/glenncountycalifornia>

**b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

**Less Than Significant Impact.** See discussion in section VIII a) above. AB 32 is the State of California’s primary GHG emissions regulation. There are no local plans in place with respect the GHG reduction. Future residential and non-residential uses must comply with standard green building and energy efficiency standards that would reduce potential GHG emissions. Due to green building code as well as energy efficient standards, the project would not conflict with the state’s goals to achieve the reduction targets under AB 32. Impacts are anticipated to be less than significant.

**IX. HAZARDS AND HAZARDOUS MATERIALS**

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 type="checkbox"/>	<input checked="" type="checkbox"/>
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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"/>

**a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**

**Less Than Significant Impact.** The California Health and Safety Code defines a Hazardous Material as “any material that because of its quantity, concentration, or physical or chemical characteristics poses a significant present or potential hazard to human health and safety or the environment if released into the workplace or environment”. Thus, hazardous material is a broad term for all substances that may be hazardous (there is no single list) and includes hazardous substances and hazardous wastes. Substances that are flammable, corrosive, reactive oxidizers, radioactive, combustible, or toxic are considered hazardous. Examples include oil, fuels, paints, thinners, cleaning solvents, compressed gasses (acetylene, carbon dioxide, oxygen, nitrogen, etc.), radioactive materials, and pesticides.

The Glenn County Air Pollution Control District (GCAPCD) is the Administering Agency and the Certified Unified Program Agency (CUPA) for Glenn County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances. The storage and handling of hazardous materials are closely monitored by the GCAPCD.

The routine transport of hazardous materials is not relevant to this project. Any future uses involving the storage and handling of chemicals would be monitored by the GCAPCD. Therefore, it is concluded that impacts would be less than significant.

**b) Would the project 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?**

**Less Than Significant Impact.**

Refer to subsection IX a) above.

Flood Zone “X” (unshaded) according to Flood Insurance Rate Map (FIRM) No. 06021C 0400D, dated August 5, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone “X” (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone.

Uses involving the storage and handling of hazardous materials are closely monitored by the GCAPCD, which is the CUPA for Glenn County. According to the GCAPCD, businesses that handle hazardous materials are required by law to provide an immediate verbal report of any release or threatened release of hazardous materials, if there is a reasonable belief that the release or threatened release poses a significant present or potential hazard to human health, safety, property, or the environment. Local, state, and federal regulations for use and handling of hazardous materials reduces impacts to the public and the environment to a less than significant level.

**c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

**No Impact.** The proposed project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. There are no schools within one-quarter mile of the project site. There are also no proposed schools within the vicinity of the project site.

Therefore, it is concluded that there will be no impact.

**d) Would the project 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?**

**Less Than Significant Impact.** The project is not located on a site which is included on a list of hazardous materials sites compiled pursuant to California Government Code §65962.5. According to the database of cleanup sites provided through the California Department of Toxic Substance Control (DTSC), there are no cleanup sites within the vicinity of the project.<sup>17</sup>

This property in the past (circa 2004 to 2021) has been the location of the storage of numerous inoperable vehicles. Storage on the property resulted in a previous code enforcement case (CE1205-0001).

Therefore, a Phase I Environmental Site Assessment was performed for the property. As a result of the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation the following Mitigation Measures are required.

Condition of Approval, HHM-1 (Mitigation Measure, Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, based on the Environmental Site Assessment reports submitted for this property all Conclusion/Recommendations shall be completed to ensure compliance with CA OES and all Health & Safety minimum standards. Contaminated soils, materials and liquids shall be removed from the property and disposed at an approved facility. A report detailing, but not limited to, the sampling, removal, disposal and clean-up shall be submitted to Glenn County upon completion.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

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<sup>17</sup> California Department of Toxic Substance Control. *Envirostor: Cleanup Sites and Hazardous Waste Permitted Facilities*. <http://www.envirostor.dtsc.ca.gov/public/>.

Condition of Approval, HHM-2 (Mitigation Measure, Hazards and Hazardous Materials)

Prior to the Recordation of the Parcel Map, the applicant shall submit the findings of the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation to the California Governor's Office of Emergency Services for further instruction in regard to official release reporting and additional assessment that may be required due to the elevated motor oil and shall complete recommended remediation.

Timing/Implementation: Prior to the Recordation of the Parcel Map

Enforcement/Monitoring: Planning & Community Development Services Agency

Therefore, there will be a less than significant impact with mitigation measures.

- 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?**

**No Impact.** The project site is not located within an airport land use plan or within two miles of a public airport or public use airport. The project would not result in a safety hazard or excessive noise for people residing or working in the project area; therefore, there is no impact.

- f) **Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

**No Impact.** The project would not interfere with an adopted emergency response or evacuation plan. All roads in the area would remain open. According to the Institute of Transportation Engineers, a detached single-family residence averages 9.53 weekday vehicle trips. The existing single parcel scenario permits one residential dwelling unit per parcel of land, to be occupied exclusively by the proprietor of the business on site, or by an employee working as a caretaker or watchman (Ord. 1183. 2, 2006). Once divided, the 4 parcels have the potential to for the establishment of additional businesses to the area. Four new businesses would potentially result in additional vehicle trips per day, in comparison to the trips under the existing single parcel. County Road 99W Average Daily Travel has not been recently measured; however, based upon similar county roads an increase of vehicle trips for an additional four permittable businesses is not anticipated to substantially alter existing traffic volumes or road capacities. The project will not interfere with adjacent roadways that may be used for emergency response or evacuation. The project will not prohibit subsequent plans from being established or prevent the goals and objectives of existing plans from being carried out. The proposed project does not pose a unique or unusual use or activity that would impair the effective and efficient implementation of an adopted emergency response or evacuation plan. The project will not obstruct or compromise the safety

of emergency response vehicles or aircraft and their ability to effectively respond in an emergency; therefore, there is no impact.

- g) Would the project expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?**

**Less Than Significant Impact.** The proposed project would not expose people or structures to a significant risk of loss, injury or death-involving wildland fires because there are no wildlands surrounding the project site. The project site is not located within or adjacent to a State Responsible Area (SRA) managed by the California Department of Forestry and Fire Protection (CAL FIRE); therefore, the site is not ranked by CAL FIRE.<sup>18</sup> According to figure 4.3-1 of the Glenn County Existing Conditions Report, the project site is not located within a fire hazard severity zone. The most severe wildland fires occur in the western portion of the County within the Mendocino National Forest. The Mendocino National Forest is to the west of the town of Orland, the town of the proposed site. Agricultural farm lands sperate the town of Orland from the Mendocino National Forest. Therefore, it is concluded that there will be a less than significant impact on the project from wildland fires.

**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 ground water 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:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i)	result in a substantial erosion or siltation on- or off-site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<sup>18</sup> California Department of Forestry and Fire Protection. 2007. *Fire Hazard Severity Zones in State Responsible Areas (SRA, Fire and Resource Assessment Program (FRAP).*  
[https://osfm.fire.ca.gov/media/6450/fhszs\\_map11.jpg](https://osfm.fire.ca.gov/media/6450/fhszs_map11.jpg).

	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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

**a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?**

**Less Than Significant Impact.** It is anticipated that the proposed project will not violate water quality standards or waste discharge requirements set forth by the Central Valley Regional Water Quality Control Board. The project is not in an area of integrated sewer systems, and proposed Parcels One, Two, Three and Four are currently undeveloped. Only the proposed “designated remainder” parcel has a pre-existing dwelling with a water well, onsite wastewater treatment system (OWTS) and replacement area.

Comments by the Glenn County Environmental Health Department indicate that soil testing conducted in December 2008 that these parcels could be developed with Filter Trench Type I (OWTS) and replacement areas. Water well setbacks from OWTS would be a minimum of 150 feet and they would only serve the parcels on which they are located, without crossing property lines. To uphold standards, all water wells and OWTS permitting should always go through the Glenn County Environmental Health Department. It is concluded, therefore, that there will be a less than significant impact as a result of this project.

The following are Conditions of Approval for the project:

Condition of Approval 14

Water well setbacks from onsite wastewater treatment system (OWTS) should be a minimum of 150 feet and each water well shall only serve the parcel on which it is located; no crossing of property lines.



Condition of Approval 15

To uphold County and State standards, all water wells and onsite wastewater treatment systems (OWTS) shall be permitted by the Glenn County Environmental Health Department.

Condition of Approval 16

Prior to the Recordation of the Parcel Map, the applicant shall retest the onsite well as indicated in the Phase 1 Report; Environmental Site Assessment and Limited Surface Soil Investigation. The results shall be submitted to the Glenn County Environmental Health Department for possible further actions.

Condition of Approval 17

Prior to the Recordation of the Parcel Map, if the existing water well is unable to meet minimum standards for potable drinking water it shall be destroyed and a new water well drilled under Environmental Health permit.

- b) **Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?**

**Less Than Significant Impact.** The proposed project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge. According to the Glenn County General Plan, the eastern portion of Glenn County overlies the Sacramento Valley Groundwater Basin, which contains abundant supplies of high-quality groundwater to depths of 800 feet.<sup>19</sup>

There is the potential for new businesses to be developed on the project site. The additional water use is not anticipated to significantly deplete groundwater supplies or interfere substantially with groundwater recharge. The project site water use associated with future development is not anticipated to include heavy use of water; therefore, the project would not have a significant impact upon groundwater.

Irrigation using surface and ground water is used to support surrounding agricultural uses in the vicinity of the project. Irrigation of agricultural fields using available surface water is a contributor to groundwater recharge. Soils in the project area allow moderate water percolation. Groundwater in the area may be recharged in part, by the irrigation of field crops in the surrounding areas. It is concluded there will be a less than significant impact on groundwater supplies and groundwater recharge.

- 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 a substantial erosion or siltation on- or off-site;**
  - ii) **substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;**

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<sup>19</sup> Quad Consultants. June 15, 1993. *Glenn County General Plan, Volume II, Issues, Natural Resources Issue Paper, Section 3, Water Resources.*

**Less Than Significant Impact.** Based on the approximate project site topography, the site is relatively flat with a slope of 0 - 1 degree and an elevation of approximately 216 feet above mean sea level; based upon this data the site drains south. The drainage pattern of the site is not anticipated to significantly change as a result of this project. There is no substantial increase anticipated in erosion or siltation. Given that the drainage pattern of the project site will not substantially change as a result of this project there will not be a significant impact to surface runoff, which would result in flooding on- or off-site.

- iii) **Create or contribute to runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or**

**Less Than Significant Impact.** There will not be a significant increase in surface runoff, which would result in erosion or siltation on- or off-site. All future construction is required to conform to the Glenn County Code, which includes Glenn County Code Section 15.70 (Leveling of Land-Drainage Changes). As is the case under current land use designations and zoning, future development would be required to adhere to standard practices designed to prevent erosion and siltation, such as slope protection and dust control. Any future drainage changes shall meet the requirements of Chapter 15.65 of the County Code. The project will not generate substantial additional sources of polluted runoff. It is concluded that there will be a less than significant impact.

- iv) **Impede or redirect flood flows?**

**Less Than Significant Impact.** This project will not impede or redirect flood flows. The site is not located in an area designated as a Dam Failure Inundation Area<sup>20</sup>. Flood Zone "X" according to Flood Insurance Rate Map (FIRM) No. 06021C 0400D, dated August 5, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone "X" (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone. The project site is not within a designated flood zone; no structures are being proposed at this time that could impede or redirect flood flows, therefore there will be a less than significant Impact.

- d) **In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?**

**Less Than Significant Impact.** A seiche is a surface wave created when a body of water is shaken, usually by earthquake activity. Seiches are potentially

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<sup>20</sup> Glenn County Existing Conditions Report (2020) Figure 4.4-3 (Dam Inundation Areas)  
<https://static1.squarespace.com/static/5c8a73469b7d1510bee16785/t/5e556b56c253f84cdc287783/1582656403698/GlennCounty-ECR-Final-Feb2020.pdf>

hazardous when the wave action created in lakes or swimming pools is strong enough to threaten life and property. Tsunamis are large ocean waves generated by major seismic events. There would be no impact on the project site from inundation by seiche or tsunami because the project area is not located near large bodies of water that would pose a seiche or tsunami hazard.

The project site is located in an area Flood Zone “X” according to Flood Insurance Rate Map (FIRM) No. 06021C 0400D, dated August 5, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone “X” (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone. As the proposal is not within a flood zone or near a large body of water, it is concluded that there will be a less than significant impact on release of pollutants.

The following is a Condition of Approval for the project:

Condition of Approval 13

That all areas which are subject to inundation or storm water overflows according to the Flood Insurance Rate Maps shall be shown and/or noted on the Parcel Map. (66434.2 SMA)

**e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?**

**Less than significant impact.** The proposal will not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. The proposed project will not substantially degrade water quality. No source of pollution affecting water quality would be generated with approval of this project. Construction activities resulting in a land disturbance of greater than one acre would require permitting through the Central Valley Regional Water Quality Control Board. An expansion of a septic system or a new system could degrade water quality. However, compliance with Glenn County Environmental Health standards would ensure the safe treatment and disposal of wastewater and the protection of groundwater quality. The proposed project would not substantially decrease groundwater supplies or interfere with groundwater recharge as no increases in groundwater uses are planned. It is concluded that there will be a less than significant impact.

**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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	of avoiding or mitigating an environmental effect?				
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**a) Would the project physically divide an established community?**

**No Impact.** The proposed project would not physically divide an established community. The proposed project is not of the scale or nature that could physically divide an established community. The proposal is for the division of one parcel into four separate parcels with a designated remainder. The project would not block a public street, trail, or other access route or result in a physical barrier that would divide a community; therefore, no impacts would occur.

**f) Would the project 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?**

**No Impact.** The General Plan land use designation is “Service Commercial” and the zoning designation is “SC” (Service Commercial). The proposed project would meet the density requirements for this designation. This project is consistent with and will not conflict with the “SC” zoning designation (Glenn County Code Chapter 15.42). The project is consistent with the General Plan land use goals and policies and no significant land use impacts will occur. It is concluded that there will be no impact on land use.

**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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

The purpose of the Mineral Resources section is to identify and evaluate the potential for the project to adversely affect the availability of known mineral resources. The mineral resources of concern include metals, industrial minerals (e.g., aggregate, sand and gravel), oil and gas, and geothermal resources that would be of value to the region and residents of the State of California.

Notable mineral resources in Glenn County include natural gas and construction grade aggregate material. In addition, published reports indicate past attempts to exploit deposits of chromite, molybdenite, and copper. Primary areas for gravel extraction occur along Stony Creek and the Sacramento River, although there are other pockets of gravel scattered throughout the County.

Several gas fields contribute to a significant quantity of natural gas production in Glenn County. Of these, the Malton-Black Butte field located on the border with Tehama County in eastern Glenn County, and the Willows-Beehive Bend field located in southeastern Glenn County account for nearly 80 percent of total gas production in the County. No oil or geothermal resources have been discovered in the County.

According to the Glenn County Existing Conditions Report, mining in Glenn County was primarily related to the extraction of strategic minerals during World Wars I and II. The extraction of chrome and manganese essentially ended in the late 1940s with the loss of government demand and subsidies.

- a) **Would the project 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?**
  
- b) **Would the project 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?**

**Less Than Significant Impact.** According to the California Department of Conservation, the project areas are located within a Mineral Resource Zone, which are areas that have a high likelihood of containing significant aggregate deposits.<sup>21</sup> None of the project areas are located on active mine sites. The footprint of the proposal is not large enough to impact the feasibility of mining and therefore, no significant impacts to mineral resources are anticipated.

Glenn County does not contain oil or geothermal fields but contains several natural gas fields.<sup>22</sup> Additionally, no oil or geothermal resources have been discovered in the County. Several plugged (Dry Gas) wells and the Greenwood Gas (ABD) Oil/Gas field is located in the project vicinity, according to Division of Oil, Gas, and Geothermal Resources. The project would not preclude natural gas well development in the future; therefore, no significant impacts to mineral resources are anticipated. It is concluded that the project would have a less than significant impact on mineral resources

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<sup>21</sup> California Department of Conservation. 1997. *Mined Land Classification Map for Concrete-Grade Aggregate Resources Central Glenn County*.  
<https://maps.conservation.ca.gov/cgs/informationwarehouse/index.html?map=mlc>

<sup>22</sup> California Department of Conservation, Division of Oil, Gas, and Geothermal Resources. 2001. *Oil, Gas, and Geothermal Fields in California*.

### 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 ground borne vibration or ground borne 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 who reside or work in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- 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?**

**Less Than Significant Impact.** The Glenn County General Plan Noise Element provides a basis for local policies to control and abate environmental noise, and to protect the citizens of Glenn County from excessive noise exposure. The County also enforces its Noise Ordinance (Chapter 15.56.100) in the County Code. This ordinance contains noise level standards for residential and non-residential land uses.

Glenn County Code §15.56.100 states that construction site sounds between 7:00 a.m. and 7:00 p.m. and agricultural equipment when operated on property zoned for agricultural activities (provided standard, reasonable practices are being followed) are exempt from local noise standards. Noise impacts associated with on-site activities and traffic is not anticipated to exceed the area’s existing ambient noise levels.

There is not anticipated to be any noise generated as a result of this proposal as no new development is being proposed at this time; however, the Service Commercial zone allows for one residence per parcel. Currently, four of the proposed parcels are undeveloped as they are vacant, however, new businesses could be established if the proposal is progresses. Any noise generated would not be in excess of standards established in the Glenn County General Plan or noise ordinance. The project site is located in an area of lands zoned for Service Commercial,” Agriculture and Industrial uses. Section N-0 of the Glenn County

General Plan supplies noise/land use compatibility guidelines and noise level standards. Noise impacts associated with on-site activities and traffic is not anticipated to exceed the area's existing ambient noise levels.

There may be periodic increases in noise during future construction activities. Construction-related noises between the hours of 7 A.M. and 7:00 P.M. are exempt from the local noise standards per Glenn County Code §15.56.100(F)(5). Construction-related noise levels at other times are regulated by the above-referenced County Code section. However, future development must comply with Glenn County Code §15.56. No significant increase in noise is anticipated as a result of this project. Based on the aforementioned information, it is concluded that there will be a less than significant impact.

**b) Generation of excessive ground borne vibration or ground borne noise levels??**

**Less Than Significant Impact.** The proposed project would not generate excessive ground borne vibrations. Vibrations are regulated by Glenn County Code §15.56.130, which states that no use shall generate ground vibrations which are perceptible without instruments beyond the lot line. Ground vibration caused by motor vehicles, aircraft, temporary construction work or agricultural equipment are exempt from the vibration performance standard as stated under Glenn County Code §15.56.130. Potential businesses and possibly residential construction work in the future would not cause significant ground borne vibration. Since the duration of impact would be brief and would occur during less sensitive daytime hours (i.e., between 7:00 a.m. and 7:00 p.m.), the impact from construction-related ground borne vibration and ground borne noise is considered less than significant.

**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 who reside or work in the project area to excessive noise levels?**

**Less Than Significant Impact.** The project site is located approximately 6 miles south west of the Orland Haigh Field Airport. Glenn County airports would not expose people in the project area to excessive noise levels. There are currently no revisions proposed to the existing uses of the land. Therefore, there would be a less than significant impact to people residing or working in the project area from noise levels generated from public airports.

#### 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 checked="" type="checkbox"/>	<input 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"/>

Population impacts are can be associated with substantial increases in population from a project. Housing impacts may result from the construction of new housing units or indirectly from changes in housing demand associated with new non-residential development, such as professional offices, manufacturing, and industrial uses that increase employment in an area.

- a) **Would the project induce substantial 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)?**

**Less Than Significant Impact.** The proposed project would not induce substantial population growth directly or indirectly. The project site currently has one pre-existing dwelling unit. While no new businesses are being proposed yet, new businesses could be established if the project is developed. According to United State Census Bureau there are 2.92 persons per household in Glenn County<sup>23</sup>. Four new businesses if constructed, could increase population by approximately 11.68 persons, which is not a substantial increase population.

New businesses and/or the extension of roads that may lead to significant population growth are not possible with this project; therefore, there will be a less than significant impact on population growth.

- b) **Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?**

**No Impact.** The proposal would not displace existing housing or people within the area of the project because this is not primarily a residential zone. The Service Commercial district provides areas suitable for heavy retail, such as bulky home appliances, floor coverings and furniture. The Service Commercial district does not specialize in pedestrian traffic and it is located away from the central business district of the city.

<sup>23</sup> United States Census Bureau, Glenn County, <https://www.census.gov/quickfacts/glenncountycalifornia>



Construction of new businesses on the proposed parcels is a permitted use. Therefore, it is concluded that there will be no significant impact caused by this project.

**XV. PUBLIC SERVICES**

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:					
i)	Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii)	Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv)	Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
v)	Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services?**

**i) Fire protection?**

**Less Than Significant Impact.** Glenn County is primarily serviced by fire protection districts staffed by volunteers. The community of Hamilton City, the City of Willows, and the City of Orland are the areas that have paid firefighter personnel. The project site is served by the Orland Rural Fire Protection District. Orland Rural Fire Protection District was contacted and no comments were received. Response time would not be affected by the proposed project. County roads will provide adequate transportation routes to reach the project site in the event of a fire.

Future uses at the site will be required to meet fire and building codes. Compliance with building and fire codes will be determined by the Building Inspection Division. Fire protection regulations of the affected fire district are applicable to future development. The project would not create significant demand for fire protection services to the extent that new fire facilities would need to be constructed to provide additional protection capacity. It is concluded that there will be a less than significant impact on fire protection as a result of this project.

**ii) Police protection?**

**Less Than Significant Impact.** Law enforcement for unincorporated portions of Glenn County, including the project site, is provided by the Glenn County Sheriff's Department. There is a sheriff's office located in the City of Willows and substations located in the City of Orland, and unincorporated Hamilton City. The California Highway Patrol is primarily responsible for patrolling interstate and state highways (including Interstate 5). Transportation routes to the project site are adequate for law enforcement to reach the area in the event of an emergency. Response time would not be affected by the proposed project. This project is not anticipated to require the staffing of additional peace officers or the purchase of additional equipment to support law enforcement activities. Based on this information, it is concluded that the project would have a less than significant impact on police protection.

**iii) Schools?**

**Less Than Significant Impact.** To help offset the impacts of development, the district assesses a development fee per square foot of the structure. The proposed project does not require the use of school facilities. The proposed project would not induce substantial population growth; therefore, would not substantially increase the demand on schools. It is concluded that there will be a less than significant impact.

**iv) Parks?**

**Less Than Significant Impact.** The County provides for maintenance and upkeep of the existing parks within the unincorporated area. The proposed project would not affect the County's ability to provide recreational opportunities facilitated by parks and no demands on the current facilities would be generated by this proposal. The proposed project does not involve the use of parks and will not increase park use. The proposed project would not induce substantial population growth; therefore, would not substantially increase the demand on parks. It is concluded that there will be a less than significant impact.

**v) Other public facilities?**

**Less Than Significant Impact.** The proposed project may have incremental increases on demands for other public services and facilities; however, this would be a less than significant impact. Public agencies have reviewed this proposal for impacts to public services and facilities and a potentially significant impact has not been identified for this proposed project. The project will not significantly affect the

ability of such utilities as electricity or telephone to provide service. Therefore, there is a less than significant impact to other public facilities.

**XVI. RECREATION**

		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b)	Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

**No Impact.** The project does not involve the use of recreational facilities. The proposed project would not induce substantial population growth and therefore, would not substantially increase the demand on parks. The project would not result in substantial physical deterioration of recreational facilities; therefore, it is concluded that there will be no impact.

**b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?**

**No Impact.** The project does not include recreational facilities or require the construction or expansion of recreational facilities; therefore, there will be no impact from the proposed project.

## XVII. TRANSPORTATION

Would the project:		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Conflict or be inconsistent with CEQA Guidelines § 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"/>

### Glenn County Roads Overview

The major north-south road is Interstate 5 (I-5), which provides major connection between Glenn County and major cities to the north, such as Red Bluff and Redding, and to the south to cities such as Sacramento. East of I-5, Routes 32 and 162 are the major east-west roads. Route 32 provides a connection through Orland to Chico, the closest of the major urban areas of California to Glenn County residents. To the east, approximately 5.5 miles, Highway 162 provides a similar connection to Oroville. The next major east-west route to the south is Highway 20 (approximately 27 miles south of Highway 162), which provides a connection to the Yuba City- Marysville area. Highway 45 is the only major north-south road east of I-5. It serves adjoining land uses as well as providing a connection between State Routes 32, 162, and 20.

State Route 162 is the only state route west of I-5. The route originally began at Highway 101 in Mendocino County and continued into Glenn County, but a 70-mile break currently exists (34 miles of which is in Mendocino County and 36 miles in Glenn County). The intermediate mileage is a seasonal road owned and maintained by Mendocino and Glenn Counties. This travel corridor is the only east-west route between I-5 and Highway 101 between State Routes 20 and 36, a distance of approximately 75 miles. The jurisdictions responsible for public roads within Glenn County include the County of Glenn, incorporated cities (Orland, Willows), the State of California, and the U.S. Forest Service.

a) **Would the project Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?**

**Less Than Significant Impact.** The project will not conflict with an applicable plan, ordinance or policy addressing the circulation system.

Proposed Parcels One, Two, Three, Four and the designated remainder will have access to County Road 99W/1-5 and County Road 27 and traffic in the area of the project is related to agriculture and industrial uses. The rural areas of Glenn County experience a wide array of agricultural related traffic. Additional vehicle traffic as a result of this project would not have a significant impact on current access roads or nearby connecting roads.

County roads in the area of the project have limited attraction with low traffic volumes of pedestrians, bicyclists, and leisure drivers due to the sparse local population and distance from residential areas. The surrounding areas are zoned for Industrial and Service Commercial Uses.

An increase in traffic could result if each resultant parcel is developed. In the vicinity for County Road 99W the Average Daily Travel was 2,549 vehicles (2004); an increase of vehicle trips per day is not anticipated to substantially alter existing traffic volumes or road capacities. It is concluded that there will be a less than significant impact on transportation and traffic. The following Conditions of Approval were established based upon those comments.

Condition of Approval

Prior to any work being done in the County Right-Of-Way, an Encroachment Permit shall be applied for and received from the Glenn County Public Works Agency (15.12 GCC).

Condition of Approval

That the right-of-way for County Roads “99W” and “27” shall be a minimum thirty (30) foot wide strip of land adjoining the centerline within the limits of the Parcel Map. The applicant shall submit acceptable evidence of existing dedication or shall provide dedication on the Parcel Map or by separate instrument to be recorded prior to the recording of the Parcel Map. The recording information for the dedication shall be shown on the face of the Parcel Map. (15.640.040 GCC)

Condition of Approval

That Right of Way lines at the intersection of County Roads “99W” and “27” shall be rounded with a curve having a radius of 20 feet. (15.640.110 GCC)

Condition of Approval

That prior to the issuance of a Certificate of Occupancy on any parcel, the improvement of the East half of County Road “99W” and/or the North half of County Road “27” along the frontage of the Parcel requesting the Certificate of Occupancy shall meet County Standard RS-4 and/or RS-8. (15.640.040 GCC)

Condition of Approval

That the applicant shall provide a minimum sixty (60) foot wide private easement and shall be described as a “Non-exclusive private road easement for ingress and egress and public utility purposes and to be reserved in deeds for the benefit of Parcels One, Two, Three and Four.”

Condition of Approval

That the right-of-way lines at the intersection of the private road easement and County Road “27” shall be rounded with a curve having a radius of 20 feet.

Condition of Approval

The following note shall be shown on the face of the Parcel Map (15.640.080 GCC):

“Parcels 1,2,3 and 4 are served by a private road. Maintenance of said road is not the responsibility of Glenn County. Owners of said parcel are hereby advised that they and/or others are solely responsible for maintenance of this road.”

Condition of Approval

That the applicant shall improve the private road easement to Private Road Standards as shown on Standard Drawing No. RS-10, RS-11 and S-19 for private road intersection prior to the issuance of a Certificate of Occupancy for Parcels One, Two, Three or Four. This condition shall be noted on the Parcel Map under Informational Items.

The project is not anticipated to result in a significant increase in traffic from current or future operations. The project will not conflict with any program, plan, ordinance or policy addressing the circulation system including transit, roadway, bicycle and pedestrian facilities. It is concluded the project will not conflict with a program, plan, ordinance or policy addressing the circulation system.

**b) Conflict or be inconsistent with CEQA Guidelines § 15064.3, subdivision (b)**

**§ 15064.3 Determining the Significance of Transportation Impacts**

**(b) Criteria for Analyzing Transportation Impacts**

**(1) Land Use Projects.** *“Vehicle’s miles traveled exceeding an applicable threshold of significance may indicate a significant impact. Generally, projects within one-half mile of either an existing major transportation stop or a stop along an existing high quality transit corridor should be presumed to cause a less than significant impact. Projects that decrease vehicle miles traveled in the project area compared to existing conditions should be presumed to have a less than significant impact”.*

**Less Than Significant Impact.** The project site is located on County Road 99W and County Road 27. Vehicle Miles Traveled (VMT) are not anticipated to significantly increase beyond existing volumes as a result of this proposal.

The site does have the potential for new businesses and dwellings to be established if fully developed, future development is not anticipated to significantly increase VMT when compared to the existing VMT. It is concluded there will be a less than significant impact.

- c) **Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

**Less Than Significant Impact.** The proposed project would not substantially increase traffic hazards due to geometric design feature or incompatible uses. The project does not include potentially hazardous design features such as sharp curves or dangerous intersections. County Roads 27 and 99W will provide adequate ingress and egress to the resultant parcels.

- e) **Would the project result in inadequate emergency access?**

**Less Than Significant Impact.** There will be adequate emergency access to the project site and the project will not inhibit emergency vehicle access to surrounding parcels. County Roads 27 and 99W will provide adequate ingress and egress to the resultant parcels. Emergency services agencies were contacted and no comments were received regarding the proposal. The site will be accessible to fire, ambulance, and law enforcement vehicles. It is concluded that there will be a less than significant impact on emergency access.

**CULTURAL RESOURCES**

Would the project:		Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a)	Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i)	Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	ii)	A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the Significance of the resource to a California Native American tribe.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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a) **Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:**

- i) **Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or**
- ii) **A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.**

**Less Than Significant Impact.** With mitigation measures incorporated the proposed project will not cause a substantial adverse change in the significance of a tribal cultural resource, as defined in Public Resources Code section 21074. Requests for project review were sent to local native tribes traditionally and culturally affiliated with the project area as well as to the Northeast Information Center of the California Historical Resources Information System (NEIC). However, the recommendations made below were established based on comments received from NEIC on January 3, 2023.

1. *The project area has not been previously surveyed for historical resources, but approximately 100 yards south of the project site, a gravel pit site was informally documented.*
2. *The project has potential for the discovery of archeological resources. Areas of sensitivity include the southern portion of the parcel adjacent to the railroad and gravel pit.*
3. *Services of a professional archeologist should be enlisted prior to ground disturbing activities on site for the avoidance and protection of any existing or newly identified resources.*



If any site excavation occurs in the future and any artifacts uncovered, that project would be subject to laws governing the accidental discovery as seen below.

**Discovery of Cultural Resources**

In accordance with State and Federal Laws if any prehistoric, protohistoric, and/or historic cultural resources are accidentally encountered during future excavation of the site, all work shall cease in the area of the find pending an examination of the site and materials by a qualified archaeologist.

The potential exists to possibly uncover previously unidentified resources; therefore, it is concluded that there is a less than significant impact with mitigation measure incorporated.

**Mitigation Measure TCR -1 (Tribal Cultural Resources)**

In the event that any prehistoric or historic subsurface cultural (including Tribal) resources are discovered during ground disturbing activities, all work within 100 feet of the resources shall be halted and the applicant/operator shall consult with the County and a qualified archaeologist (as approved by the County) and corresponding tribal representative to assess the significance of the find per CEQA Guidelines Section 15064.5. The qualified archaeologist shall determine the nature of the find, evaluate its significance, and, if necessary, suggest preservation or mitigation measures. Appropriate mitigation measures, based on recommendations listed in the archaeological survey report and tribal representative, will be determined by the Glenn County Planning & Community Development Services Agency. Work may proceed on other parts of the project site while mitigation for historical resources, unique archaeological resources, and/or tribal resources is carried out. All significant cultural materials recovered shall be, at the discretion of the consulting archaeologist, subject to scientific analysis, professional museum curation, tribal representative, and documented according to current professional standards.

*Timing/Implementation:*

During Construction/Excavation Activities

*Enforcement/Monitoring:*

*Glenn County Planning & Community Development Services Agency*

**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 telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>
d)	Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>

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 telecommunications facilities, the construction or relocation of which could cause significant environmental effects?**

b) **Less Than Significant Impact.** The proposed project will not exceed wastewater treatment requirements of the Regional Water Quality Control Board. There is no municipal wastewater treatment facility proposed with this project. The project will not require or result in new or expanded municipal facilities that could cause significant environmental effects. The proposal will rely on individual sewage disposal systems for wastewater treatment. On site assessments by the Glenn County Environmental Health Department indicate that:

i) The proposed designated remainder has a dwelling, water well, onsite wastewater treatment system (OWTS).

- ii) Proposed parcels One, Two, Three and Four are currently undeveloped and previous 2008 soil tests indicate that these parcels can be developed with a Filter Trench Type 1 OWTS and replacement area.
- iii) Water well setbacks from OWTS should be a minimum of 150 feet and each water well shall only serve the parcel on which it is located; no crossing of property lines.
- iv) All water wells and OWTS shall be permitted through the Glenn County Environmental Health Department.

The proposed project would not require or result in the construction of new storm water drainage facilities or the expansion of existing facilities; therefore, no significant environmental damage would result from the construction of such facilities. Current land drainage is not expected to significantly change as a result of the proposal. Any leveling of land or drainage changes must comply with Chapter 15.70 of the Glenn County Code, as well as State and Federal regulations.

The following is a Condition of Approval for the project:

Condition of Approval

Before any digging or excavation occurs, contact Underground Service Alert (USA) at “811” a minimum of 2 working days prior to commencing any work.

The project will not require significant alterations to existing electric power, natural gas, or telecommunications facilities. It is concluded there will be a less than significant impact as a result of this project.

- b) **Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?**

**Less Than Significant Impact.** The project will have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years. The project has the potential to develop business operations on each parcel. If developed this site would be served by private wells.

The project site would draw water from the groundwater<sup>24</sup>. This groundwater basin supplies sufficient groundwater to serve the project and reasonably foreseeable development. Future development may add to the cumulative impacts of water use but is a less than significant impact to water.

- 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?**

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<sup>24</sup> Glenn County Existing Conditions Report 2020  
<https://static1.squarespace.com/static/5c8a73469b7d1510bee16785/t/5e556b56c253f84cdc287783/1582656403698/GlennCounty-ECR-Final-Feb2020.pdf>

**Less Than Significant Impact.** There is no municipal wastewater treatment provider for the project site. Only the proposed “Designated Remainder” has an existing dwelling unit, water well, and onsite wastewater treatment system (OWTS). Proposed Parcels One, Two, Three and Four are undeveloped and currently vacant. Any new sewage disposal systems would be required to meet the standards set forth in Chapter 7.010 of the Glenn County Code and by the Glenn County Environmental Health Department. Any future development shall meet all Environmental Health and Safety codes.

- g) Generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?**

**Less Than Significant Impact.** The proposed project will be required to comply with all solid waste regulations as implemented and enforced by the County of Glenn. Solid waste disposal is currently provided through the Glenn County Transfer Station; located at the former Glenn County Landfill Site. While future development at the project site would generate solid waste, the amount of additional waste generated from the proposal’s maximum buildout of additional businesses would not have a significant impact of existing or future waste disposal. This project would also not have a significant impact on the transfer station. The cumulative impacts on the transfer station will be offset in the future from increased requirements for sorting and diversion and/or increases in disposal costs. It is concluded that there will be a less than significant impact.

- e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?**

**No Impact.** In compliance with guidelines set forth by AB 939 (California Integrated Waste Management Act of 1989), the County of Glenn has adopted a Source Reduction and Recycling Element (SRRE) to define goals and objectives for waste reduction, recycling, and diversion. The SRRE defines guidelines to implement these goals and objectives through seven main programs, consisting of Source Reduction, Recycling, Composting, Special Waste Materials, Public Education, Policy Incentives, and Facility Recovery. The proposed project will be required to comply with all federal, state, and local statutes and regulations related to solid waste disposal. As a result, there would be no impact on solid waste regulations.

**XX. WILDFIRE**

		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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
d)	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**a) Substantially impair an adopted emergency response plan or emergency evacuation plan?**

**Less Than Significant Impact.** The project would not interfere with an adopted emergency response or emergency evacuation plan. All roads in the area would remain open. The project site is located on private property with adequate access to County Road 99W or County Road 27. The project will not interfere with adjacent roadways that may be used for emergency response or evacuation. The project will not prohibit subsequent plans from being established or prevent the goals and objectives of existing plans from being carried out. The proposed project does not pose a unique or unusual use or activity that would impair the effective and efficient implementation of an adopted emergency response or evacuation plan. The project site is not located within a fire hazard severity zone. The most severe wildland fires occur in the western portion of the County within the Mendocino National Forest. The project will not obstruct or compromise the safety of emergency response vehicles or aircraft and their ability to effectively respond in an emergency. Therefore, it is concluded that there is a less than significant impact.

**b) Does the 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?**

**Less Than Significant Impact.** The project site is relatively flat with minimal slope. Based on the approximate project site topography, the site is relatively flat. The project site has minimal slope or prevailing winds that would exacerbate wildfire risk including; therefore, it is concluded there will be a less than significant impact.

**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?**

**No Impact.** This project would not require the installation or maintenance of additional infrastructure that may exacerbate fire risk impacts to the environment. It is concluded there will be no impact.

- 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?**

**Less Than Significant Impact.** Based on the approximate project site topography, no people or structures will be exposed to a significant risk due to post-fire slope instability or drainage changing. It is concluded there will be a less than significant impact.

**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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b)	Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are 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 type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c)	Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- 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?**

**Less Than Significant Impact.** Impacts associated with the project have been identified in this document. Impacts on biological resources and cultural resources were discussed in sections above. The project would not 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, 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. All uses at the site are subject to applicable codified federal, state, and local laws and regulations. It is concluded that there will be a less than significant impact.

- 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)?**

**Less Than Significant Impact.** As detailed in this document, the proposed project would have minimal impacts to environmental areas. The project's incremental impacts would not contribute to significant cumulative impacts. Future uses at the site are subject to applicable federal, state, and county laws and standards. Therefore, impacts are considered less than significant.

- c) **Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?**

**Less Than Significant Impact.** The proposed project would not create significant hazards or health safety concerns. Aspects of this project, which have the potential to have an effect on human beings or the environment, have been discussed in this document. The impacts of the project have been concluded to be less than significant with Conditions of Approval and Mitigation Measures. The project as proposed will not have substantial adverse effects on human beings, either directly or indirectly. It is concluded that there will be a less than significant impact.

## REFERENCES

In addition to the resources listed below, Initial Study analysis may also be based on on-site field observations, discussions with the affected agencies, analyses of adopted plans and policies, review of existing studies, and specialized environmental studies. Most resource materials are on file in the office of the Glenn County Planning & Community Development Services Agency, 225 North Tehama Street, Willows, CA 95988, Phone: (530) 934-6540.

### **Records of, or consultation with the following:**

#### **APPLICANT:**

N. Eugene Jouhal and Laurel M. Jouhal  
P.O. Box 944 Orland, CA 95963  
Phone Number: 530-588-6645

#### **LANDOWNERS:**

N. Eugene Jouhal and Laurel M. Jouhal  
P.O. Box 944 Orland, CA 95963  
Phone Number: 530-588-6645

#### **ENGINEER:**

Hamilton Engineering Inc.  
1165 Hoff Way, Suite 204  
Orland, Ca 95963  
(530)865-4194  
E-Mail: [presurv@yahoo.com](mailto:presurv@yahoo.com)

Corresponding Fire Protection District  
California Department of Fish and Wildlife  
Colusa-Indian Community Council Cachi Dehe Band of Wintun Indians  
Glenn County Agricultural Commissioner  
Glenn County Air Pollution Control District/Certified Unified Program Agency  
Glenn County Environmental Health Department  
Glenn County Planning & Community Development Services, Building Inspection Division  
Glenn County Planning & Community Development Services, Environmental Health  
Glenn County Planning & Public Works Agency, Engineering & Surveying Division  
Glenn County Sheriff's Office  
Grindstone Rancheria of Wintun-Wailaki  
Mechoopda Indian Tribe of Chico Rancheria  
Northeast Information Center (NEIC) of the CA Historical Resources Information System  
Pacific Gas and Electric Company (PG&E)  
Paskenta Band of Nomlaki Indians  
Corresponding Unified School District

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**GLENN COUNTY**  
**Planning & Community Development Services Agency**

225 North Tehama Street  
Willows, CA 95988  
530.934.6540  
[www.countyofglenn.net](http://www.countyofglenn.net)



Mardy Thomas, Director

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**UPDATED/REVISED**  
**REQUEST FOR REVIEW**

The purpose of this Updated/Revised request is to solicit any new or revised comments based on new/revised information as provided. All previously received comments for this project will remain in the record.

Based on the previous uses of the property, via the included letter from the Planning Division, it was requested that the applicant complete an Environmental Site Assessment for the property, which has been completed and is now included with this updated Request for Review.

In addition, the applicant has made modifications to the proposed acreages of the tentative parcel map (also included).

For reference, the original Request for Review and Application as sent on December 21, 2022, is also included with this document:

## UPDATED/REVISED REQUEST FOR REVIEW

### COUNTY DEPARTMENTS/DISTRICTS

- Glenn County Agricultural Commissioner
- Glenn County Air Pollution Control District/CUPA
- Glenn County Assessor
- Glenn County Building Inspector
- Glenn County Engineering & Surveying Division
- Glenn County Environmental Health Department
- Glenn County Sheriff's Department
- Glenn County Board of Supervisors
- Glenn County Resource Conservation District
- Glenn County Planning Commission
- Glenn LAFCO

### FEDERAL AGENCIES

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- U.S. Department of Agriculture
- U.S. Bureau of Reclamation - Willows

### OTHER

- City of Orland
- Sacramento River National Wildlife Refuge
- Orland Unit Water Users' Association
- Community Services District:
- Pacific Gas and Electric Company (PG&E)
- Fire Protection District: Orland Rural
- Glenn County Resource Conservation District
- School District: Orland

### STATE AGENCIES

- Central Valley Flood Protection Board
- Central Valley Regional Water Quality Control Board (RWQCB)
- State Water Resources Control Board – Division of Drinking Water
- Department of Alcoholic Beverage Control (ABC)
- Department of Conservation, Division of Land Resource Protection
- Department of Conservation, Office of Mine Reclamation (OMR)
- Department of Conservation, Division of Oil, Gas, and Geothermal Resources
- Department of Fish and Wildlife
- Department of Food and Agriculture
- Department of Forestry and Fire Protection (Cal Fire)
- Department of Housing and Community Development (HCD)
- Department of Public Health
- Department of Toxic Substances Control (DTSC)
- Department of Transportation (Caltrans)
- Department of Water Resources (DWR)
- Office of the State Fire Marshall

- Northeast Center of the California Historical Resources Information System
- Paskenta Band of Nomlaki Indians
- Grindstone Rancheria of Wintun-Wailaki
- Mechoopda Indian Tribe of Chico Rancheria
- Colusa Indian Community Council Cachi Dehe Band of Wintun Indians
- Tehama-Colusa Canal Authority
- UC Cooperative Extension Office

REVISED DATE: August 22, 2023

**PROJECT:** Tentative Parcel Map 2022-002, Jouhal

**PLANNER:** Andy Popper, Principal Planner  
[apopper@countyofglenn.net](mailto:apopper@countyofglenn.net)

**APPLICANT/  
LANDOWNER:** Amardev Singh Jouhal  
P.O. Box 181188, Coronado, CA 92178  
Phone Number: (619) 522 - 4593

: Amardev Singh Jouhal  
P.O. Box 181188, Coronado, CA 92178  
Phone Number: (619) 522 - 4593

**ENGINEER:** Hamilton Engineering Inc.  
P.O. Box 978, Orland, CA 95963  
Phone Number: (530) 865-8551

**PROJECT:** **Tentative Parcel Map 2022-002, Jouhal**  
The project consists of a land division to divide one existing parcel into the following:

Parcel One:	<del>3.2</del>	6.0 ± Acres
Parcel Two:	<del>3.2</del>	4.0 ± Acres
Parcel Three:	<del>4.1</del>	3.0 ± Acres
Parcel Four:	<del>4.1</del>	3.0± Acres
<i>Designated Remainder:</i>	<del>5.07</del>	2.38 ± Acres

**LOCATION:** The project is located on the east side of County Road 99W, north of County Road 27, west of County Road M, and south of County Road 25; in the unincorporated area of Glenn County, California.

**EXISTING APN:** 024-090-013

**ZONING:** SC - Service Commercial  
**GENERAL PLAN:** SC - Service Commercial

**FLOOD ZONE:** Flood Zone "X" according to Flood Insurance Rate Map (FIRM) No. 06021C0400D, dated August 5, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone "X" (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone.

The Glenn County Planning Division is requesting comments on this proposal for determination of completeness, potential constraints, and/or proposed conditions of approval. If comments are not received by **FRIDAY, SEPTEMBER 8, 2023**, it is assumed that there are no specific comments to be included in the analysis of the project. Comments submitted by e-mail are acceptable. Thank you for considering this matter.

**AGENCY COMMENTS:**

Please consider the following:

1. Is the information in the application complete enough to analyze impacts and conclude review?
2. Comments may include project-specific code requirements unique to the project. Cite code section and document (i.e. General Plan, Subdivision Map Act, etc.).
3. What are the recommended Conditions of Approval for this project and justification for each Condition? When should each Condition be accomplished (i.e. prior to any construction at the site, prior to recording the parcel map, filing the Final Map, or issuance of a Certificate of Occupancy, etc.)?

# GLENN COUNTY Planning & Community Development Services Agency

225 North Tehama Street  
Willows, CA 95988  
530.934.6540  
[www.countyofglenn.net](http://www.countyofglenn.net)



Mardy Thomas, Director

Amardev Singh Jouhal  
P. O. Box 181188,  
Coronado, CA 92178

**RE: Tentative Parcel Map 2022-002, Jouhal**

Date: February 16, 2023

To: Landowner/Applicant,

On December 19, 2022, the Glenn County Planning Division received an application for a Tentative Parcel Map (TPM 2022-002) on Assessor's Parcel Number: 024-090-013. The project is located at 3698 County Road 99W, north of County Road 27, west of County Road M, south of County Road 25; in the unincorporated area of Glenn County, California. The Glenn County Planning & Community Development Services Agency has deemed the application for the TPM 2022-002 as complete; however, with further information being requested.

The project seeks to divide one existing parcel (18.38± acres) into the following:

Parcel One:	3.8± acres
Parcel Two:	3.82± acres
Parcel Three:	3.00± acres
Parcel Four:	3.00± acres
Designated Remainder:	4.73± acres

This property in the past (circa 2004 to 2021) has been the location of the storage of numerous inoperable vehicles and other equipment which corresponded to the definition of a "junkyard" (Glenn County Code (GCC) §15.01.020 J. 1.). The outdoor storage covered up to approximately 10 acres of the premises and was not a permitted use in the "SC" Service Commercial zoning.

The storage on the property resulted in a previous code enforcement case (CE1205-0001). In addition, an application to divide the parcel was received in 2009 (TPM 2009-003), which was later withdrawn by the applicant. The previous outdoor storage of numerous inoperable vehicles and other equipment may have resulted in spills on the property, thereby impacting the soil.

GCC §15.23.010 G & H; states that no tentative map, for either a final map or a parcel map, shall be approved unless findings are made that the property is not, or will not become, unhealthful or unfit for human habitation or occupancy, and that the property is not hazardous for development or habitation because of adverse soil or geologic conditions, or other conditions adverse to the public health, safety or general welfare.

Therefore, in order support the required findings for the approval of a subdivision, the following shall be completed on the property:

- 1) A Phase I and/or Phase II Environmental Site Assessment shall be performed. The assessment shall, at a minimum, include surveying the property for previous spills or contaminates, if contamination or spills are located, then a soils sample shall occur at the spill site(s) to determine the contaminant and its extent.
- 2) Once the Phase I and/or Phase II Environmental assessment is completed/submitted; if determined necessary from the data obtained by the environmental assessment, a Phase II Environmental Site Assessment and/or remediation program may be required.

The environmental assessment is to be hired by and paid for by the applicant/landowner of the project proposal. No additional progress can be taken on your project regarding the specific items listed above until an environmental assessment is completed by a professional in the field and is submitted, and the items are addressed/responded to. In order to continue the Tentative Parcel Map process. Please, provide the required information to the Glenn County Planning Division in a timely manner.

Additionally, agency and vicinity property owner comments received as of the date of this letter are included for review. The items noted are a guide to assist in meeting the requirements of applicable government codes. The comments may also note any unusual circumstances that need special attention. The items listed are a guide and not intended to be a comprehensive summary of all codified requirements or site-specific requirements.

If you have any questions, please contact the Glenn County Planning & Community Development Services Agency at (530) 934-6540 to discuss actions towards completing the application requirements.

Sincerely,

Boniface Chifamba  
Assistant Planner

Cc: Hamilton Engineering Inc., P.O. Box 978, Orland, CA 95963  
Glenn County Air Pollution Control District/CUPA  
Glenn County Building Department  
Glenn County Environmental Health Department  
Glenn County Public Works  
Artois Fire Protection District  
PG&E

## Boniface Chifamba

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**From:** Zac Dickens <zdickens@gcid.net>  
**Sent:** Wednesday, December 28, 2022 11:49 AM  
**To:** Boniface Chifamba  
**Cc:** Andy Popper; Brandon Jennings; GC Building; Shasta Banchio  
**Subject:** RE: TPM2022-002, Jouhal, Request for Review and Comments

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Good Morning,

Glenn-Colusa Irrigation District (GCID) appreciates the notification and opportunity to comment on the tentative parcel map application, although the site of interest lies outside of its service area therefore GCID has no comment.

Thank you,



**Zachary W. Dickens, P.E.**  
*District Engineer*

**OFFICE:** 530.934.8881 | **CELL:** 530.518.7134  
**EMAIL:** [zdickens@gcid.net](mailto:zdickens@gcid.net)

Post Office Box 150, Willows, California 95988

Follow us:   

**From:** Boniface Chifamba <bchifamba@countyofglenn.net>  
**Sent:** Wednesday, December 21, 2022 4:02 PM  
**Cc:** Andy Popper <APopper@countyofglenn.net>; Brandon Jennings <bjennings@countyofglenn.net>; GC Building <gcbuilding@countyofglenn.net>  
**Subject:** TPM2022-002, Jouhal, Request for Review and Comments

To Whom it may Concern,

Please accept the Request for Review for comments.

Documentation is available at  [TPM2022-002, Jouhal, Request for Review.pdf](#)

Comments are being requested by Thursday, January 12, 2023.

Thank you for your time regarding this matter.

Sincerely,

Boniface Chifamba, Assistant Planner  
<http://www.countyofglenn.net/>



## Boniface Chifamba

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**From:** Mackey Violich <mviolich@capayfarms.com>  
**Sent:** Tuesday, January 3, 2023 12:32 PM  
**To:** Planning Email Group  
**Cc:** Julia Violich  
**Subject:** Project Tentative Parcel Map 2022-002 Jouhal

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi, County of Glenn planning,

My family are the neighbors to the west of parcel 024-090-013 ( the parcel noted Project Tentative Parcel Map 2022-002 Jouhal). We grow almonds and have a tenant in the house just west of the parcel; we own parcel 024-090-044. We are concerned with the new parcel's impact for two reasons. One, each of those parcels will have additional water needs and need to drill more wells in an area with limited water availability. Two, we are concerned with parcels being small businesses and residential spaces; this may increase the traffic on that street.

Thank you,

Mackey Violich

# California Historical Resources Information System

BUTTE  
GLENN  
LASSEN  
MODOC  
PLUMAS  
SHASTA

SIERRA  
SISKIYOU  
SUTTER  
TEHAMA  
TRINITY

Northeast Information Center  
1074 East Avenue, Suite F  
Chico, California 95926  
Phone (530) 898-6256  
*neinfocntr@csuchico.edu*

January 3, 2023

Boniface Chifamba, Assistant Planner  
Glenn County Planning & Community Development Services Agency  
225 N. Tehama Street  
Willows, CA 95988

## IC File # NE23-1 Project Review

RE: TPM2022-002 / Jouhal  
T21N, R3W, Section 10, MDBM  
USGS Orland 7.5' quad  
Approximately 18.38 acres (Glenn County)

Dear Boniface Chifamba,

In response to your request, a records search for the project cited above was conducted by examining the official maps and records for historical resources and surveys in Glenn County. Historical resources in our inventory include archaeological objects, sites, landscapes, districts, and all manner of buildings and structures associated with past human activities. Please note that access to records of archaeological resources is restricted to qualified individuals.

### Results:

#### Archaeological Resources:

Resources within or adjacent to the project area:	None listed
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No additional resources of this type have been recorded within the one-mile vicinity; however, a historic gravel pit site has been informally documented approximately 100 yards south of the project area.

**Historic Properties:** According to our records, no resources of this type have been recorded within or adjacent to the project boundaries. A single concrete bridge was recorded within the one-mile vicinity. The Built Environment Resources Directory (BERD), which includes listings of the

California Register of Historical Resources, California State Historical Landmarks, California State Points of Historical Interest, and the National Register of Historic Places, does not list any properties within or adjacent to the project area. The BERD is available online at: [https://ohp.parks.ca.gov/?page\\_id=30338](https://ohp.parks.ca.gov/?page_id=30338)

The USGS Orland (1951) 7.5' topographic quadrangle fails to depict buildings or structures within the project boundaries; therefore, there is a low potential for any buildings or structures 45 years or older to be within the project area.

**Previous Investigations:** According to our records, the project area has not been previously surveyed for historical resources.

**Literature Search:** The official records and maps for archaeological sites and surveys in Glenn County were reviewed. Also reviewed: **National Register of Historic Places - Listed properties and Determined Eligible Properties** (2012); **California Inventory of Historic Resources** (1976); **California Historical Landmarks** (2012); **Built Environment Resource Directory** (2021).

### **Sensitivity Assessment and Recommendations:**

Based upon the above information, the project has a sensitivity for the possible discovery of archaeological resources. Areas of sensitivity include the southern portion of the parcel adjacent to the railroad and gravel pit.

Therefore, because the project area has not been previously surveyed for historical resources, we recommend that a professional archaeologist be contacted prior to ground disturbance. The project consultant can offer recommendations for avoidance and protection of any existing or newly identified resources. If the proposed project contains buildings or structures that meet the minimum age requirement (45 years in age or older) it is recommended that the resources be assessed by a qualified specialist familiar with architecture and history of the county. Review of the available historic building/structure data has included only those sources listed above and should not be considered comprehensive. A list of qualified consultants is available online at [www.chrisinfo.org](http://www.chrisinfo.org).

During any phase of parcel development, if any potential prehistoric, protohistoric, and/or historic historical resources are encountered, all work should cease in the area of the find pending an examination of the site and materials by the project archaeologist. This request to cease work in the area of a potential historical resource find is intended for accidental discoveries made during construction activities and is not intended as a substitute for the recommended historical resources survey.

If human remains are discovered, California Health and Safety Code Section 7050.5 requires you to protect the discovery and notify the county coroner, who will determine if the find is Native American. If the remains are recognized as Native American, the coroner shall then notify the Native American Heritage Commission (NAHC). California Public Resources Code Section 5097.98 authorizes the NAHC to appoint a Most Likely Descendant (MLD) who will make recommendations for the treatment of the discovery.

The California Office of Historic Preservation (OHP) contracts with the California Historical Resources Information System's (CHRIS) regional Information Centers (ICs) to maintain information in the CHRIS inventory and make it available to local, state, and federal agencies, historical resource professionals, Native American tribes, researchers, and the public. Recommendations made by IC coordinators or their staff regarding the interpretation and application of this information are advisory only. Such recommendations do not necessarily represent the evaluation or opinion of the State Historic Preservation Officer in carrying out the OHP's regulatory authority under federal and state law.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the OHP are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Finally, Native American tribes have historical resource information not in the CHRIS Inventory, and the NAHC should be contacted at (916) 373-3710 for information regarding Native American representatives in the vicinity of the project.

Payment for this project review was received on January 2, 2023 (Check #157). Thank you for your dedication preserving Glenn County's and California's irreplaceable cultural heritage, and please feel free to contact us if you have any questions or need any further information or assistance.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Bradshaw', with a long horizontal line extending to the right.

Ryan Bradshaw, Coordinator  
Northeast Information Center



January 5, 2023

Boniface Chifamba  
County of Glenn  
225 N Tehama St  
Willows, CA 95988

Re: TPM2022-002  
3698 County Road 99W

Dear Boniface Chifamba,

Thank you for providing PG&E the opportunity to review the proposed plans for TPM2022-002 dated 12/21/2022. Our review indicates the proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights.

Please note this is our preliminary review and PG&E reserves the right for additional future review as needed. This letter shall not in any way alter, modify, or terminate any provision of any existing easement rights. If there are subsequent modifications made to the design, we ask that you resubmit the plans to the email address listed below.

If the project requires PG&E gas or electrical service in the future, please continue to work with PG&E's Service Planning department: <https://www.pge.com/cco/>.

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

If you have any questions regarding our response, please contact the PG&E Plan Review Team at [pgeplanreview@pge.com](mailto:pgeplanreview@pge.com).

Sincerely,

PG&E Plan Review Team  
Land Management



December 22, 2022

Boniface Chifamba  
County of Glenn  
255 North Tehama St  
Willows, CA 95988

Ref: Gas and Electric Transmission and Distribution

Dear Boniface Chifamba,

Thank you for submitting the TPM2022-002 plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: [https://www.pge.com/en\\_US/business/services/building-and-renovation/overview/overview.page](https://www.pge.com/en_US/business/services/building-and-renovation/overview/overview.page).
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team  
Land Management

wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [ $24/2 + 24 + 36/2 = 54$ ] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 24 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible ( $90^\circ \pm 15^\circ$ ). All utility lines crossing the gas pipeline must have a minimum of 24 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.

## Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. **Buildings and Other Structures:** No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as **"RESTRICTED USE AREA – NO BUILDING."**
2. **Grading:** Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. **Fences:** Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. **Landscaping:** Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), trees and shrubs are limited to those varieties that do not exceed 10 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. **Reservoirs, Sumps, Drainage Basins, and Ponds:** Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. **Automobile Parking:** Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. **Storage of Flammable, Explosive or Corrosive Materials:** There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.





PO BOX 875 KENTFIELD, CA 94914  
TEL 415 4542949 FAX 415 4544267

January 3, 2023

Boniface Chifamba  
Assistant Planner  
Glenn County  
Planning & Community Development Services Agency  
225 N. Tehama Street  
Willows, CA 95988

Dear Mr. Chifamba,

Thank you very much for the recent notice regarding the project Tentative Parcel Map 2022-002, Jouhal

We respectfully request that take into consider two items that will significantly affect our adjacent properties. We own several parcels in the area that make up approximately 800 acres. APN 024-090-045, 024-100-017, 024-090-044, 024-040-018, 024-040-019, 024-090-035, 024-090-071, 024-090-004, 024,090-015.

The majority of our property is currently planted to almonds, however, we also own two homes and a feedstock lot. We are rarely against development plans, however we do feel that this project will affect our properties negatively.

- Water scarcity: As you know, the ground water in the area has been stressed by drought over the past three years. We do not foresee this situation will change in the future, and as a result are very concerned about the need for up to 4 additional domestic wells in the area. We would like to have a better understand of the proposed water source for this development.
- Increase in traffic flow: In addition, the addition of 4 homes will certainly increase traffic in the area. We have very large trucks, trailers and tractors that utilize this roads daily. The current use has not changed in over 30 years. We do foresee an increase in traffic and also a potentially dangerous situation if there are more non-agricultural vehicles in the area.

Please accept this letter as notice of potential constraints that will negatively impact our operation and the agricultural operation of others in the area.

Sincerely yours,

A handwritten signature in blue ink, appearing to read 'Julia', with a long horizontal flourish extending to the right.

Julia Violich  
Vice President, Violich Farms, Inc.

# GLENN COUNTY

## Planning & Community Development Services Agency Environmental Health Department

225 N Tehama St.  
Willows, CA 95988  
Tel: 530.934.6102 Fax: 530.934.6103  
[www.countyofglenn.net](http://www.countyofglenn.net)



Mardy Thomas, Director

Date: January 9, 2023

To: Boniface Chifamba, Assistant Planner  
Glenn County Planning & Community Development Services Agency (PCDSA)  
(Via Email)

From: Kevin Backus, REHS  
Director, Glenn County PCDSA - Environmental Health Department

Re: TPM 2022-002, Jouhal, APN 024-090-013 (Land Division)

We have reviewed the application information for the project noted above and recommend it be found complete for further processing. We have the following comments/requirements:

1. The proposed designated remainder has a dwelling, water well, onsite wastewater treatment system (OWTS) and replacement area.
2. Proposed parcels One, Two, Three and Four are undeveloped. Soil testing conducted in December 2008 shows these parcels can be developed with a Filter Trench Type I OWTS and replacement area.
3. Water well setbacks from OWTS shall be a minimum of 150 feet. Water wells shall only serve the parcel which it is located on and shall not cross property lines.
4. All water wells and OWTS shall be permitted thru the Environmental Health Department.

Please contact Environmental Health at 530-934-6102 with any questions on this matter.



## PUBLIC WORKS AGENCY

P.O. Box 1070 / 777 N. Colusa Street  
Willows, CA 95988

Airports  
Engineering  
Flood Control  
Roads & Bridges  
Solid Waste  
Surveyor

**Donald Rust, Director**

January 10, 2023

Glenn County Planning and Community Development Services  
225 N. Tehama Street  
Willows, CA 95988

Attn: Boniface Chifamba, Assistant Planner

Subject: Tentative Parcel Map 2022-002 – Conditions of Approval  
Landowners: Amardev Singh Jouhal

### Comments

That prior to any work being done in the County Right of Way an Encroachment Permit shall be required. (15.120 GCC)

### Conditions

That the right-of-way for County Roads "99W" and "27" shall be a minimum thirty (30) foot wide strip of land adjoining the centerline within the limits of the Parcel Map. The applicant shall submit acceptable evidence of existing dedication or shall provide dedication on the Parcel Map or by separate instrument to be recorded prior to the recording of the Parcel Map. The recording information for the dedication shall be shown on the face of the Parcel Map. (15.640.040 GCC)

That Right of Way lines at the intersection of County Roads "99W" and "27" shall be rounded with a curve having a radius of 20 feet. (15.640.110 GCC)

That prior to the issuance of a Certificate of Occupancy on any parcel, the improvement of the East half of County Road "99W" and/or the North half of County Road "27" along the frontage of the Parcel requesting the Certificate of Occupancy shall meet County Standard RS-4 and/or RS-8. (15.640.040 GCC)

That all areas which are subject to inundation or storm water overflows according to the Flood Insurance Rate Maps shall be shown and/or noted on the Parcel Map. (66434.2 SMA)

A handwritten signature in black ink that reads "Michael Biggs".

Michael Biggs  
Engineering Technician III  
Glenn County Public Works

**California Department of Transportation**

DISTRICT 3  
703 B STREET | MARYSVILLE, CA 95901-5556  
(530) 741-4233 | FAX (530) 741-4245 TTY 711  
[www.dot.ca.gov](http://www.dot.ca.gov)

January 12, 2023

GTS# 03-GLE-2022-00077

Boniface Chifamba  
Assistant Planner  
Glenn County Planning & Community Development Services  
225 N Tehama Street  
Willows, CA 95988

**Tentative Parcel Map 2022-002, Jouhal**

Dear Mr. Chifamba:

Thank you for including the California Department of Transportation (Caltrans) in the review process for the project referenced above. We reviewed this local development for impacts to the State Highway System (SHS) in keeping with our mission, vision, and goals, some of which include addressing equity, climate change, and safety, as outlined in our statewide plans such as the California Transportation Plan 2050, Caltrans Strategic Plan, and Climate Action Plan for Transportation Infrastructure.

The project is located approximately 0.5 mile east of the Interstate 5 (I-5)/County Road 27 interchange, on the east side of County Road 99W in the unincorporated area of Glenn County, California. The project is a subdivision of one parcel into four smaller parcels. Based on the application package provided, we have no comments on the subdivision at this time. Please provide our office with copies of any further actions regarding this proposal. We would appreciate the opportunity to review and comment on any changes related to this development.

If you have any questions regarding these comments or require additional information, please contact Satwinder Dhatt, Local Development Review Coordinator, by phone (530) 821-8261 or via email at [satwinder.dhatt@dot.ca.gov](mailto:satwinder.dhatt@dot.ca.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Gary S. Arnold', is written over a light blue circular stamp.

Gary S. Arnold, Branch Chief  
Local Development Review, Equity and System Planning  
Division of Planning, Local Assistance, and Sustainability  
Caltrans District 3

## Boniface Chifamba

---

**From:** Emil Cavagnolo <ecavagnolo@oawd.org>  
**Sent:** Tuesday, January 31, 2023 12:57 PM  
**To:** Boniface Chifamba  
**Subject:** RE: TPM2022-002, Jouhal, Request for Review

Boniface,

Thank you for sending this, I have not seen it before. I do not have any comments.

Best regards,

*Emil Cavagnolo, General Manager*  
**Orland-Artois Water District**  
P.O. Box 218  
6505 Road 27  
Orland, CA 95963  
O 530-865-4304  
F 530-865-8497  
C 530-518-5060  
[ecavagnolo@oawd.org](mailto:ecavagnolo@oawd.org)  
<https://www.oawd.org/>

**From:** Boniface Chifamba <bchifamba@countyofglenn.net>  
**Sent:** Tuesday, January 31, 2023 10:26 AM  
**Cc:** Andy Popper <APopper@countyofglenn.net>; Brandon Jennings <bjennings@countyofglenn.net>  
**Subject:** TPM2022-002, Jouhal, Request for Review

To Whom it may Concern,

Please accept the Request for Review for comments. We are not sure whether you received our earlier invitation for comments.

Documentation is available at  [TPM2022-002, Jouhal, Request for Review.pdf](#)

Thank you for your time regarding this matter

Sincerely,

Boniface Chifamba, Assistant Planner  
<http://www.countyofglenn.net/>  
Glenn County Planning & Community Development Services Agency  
225 North Tehama Street  
Willows, Ca 95988

**GLENN COUNTY**  
**Planning & Community Development Services Agency**  
**Environmental Health Department**

225 N Tehama St.  
Willows, CA 95988  
Tel: 530.934.6102 Fax: 530.934.6103  
[www.countyofglenn.net](http://www.countyofglenn.net)



Mardy Thomas, Director

Date: August 23, 2023

To: Andy Popper, Principal Planner  
Glenn County Planning & Community Development Services Agency (PCDSA)  
(Via Email)

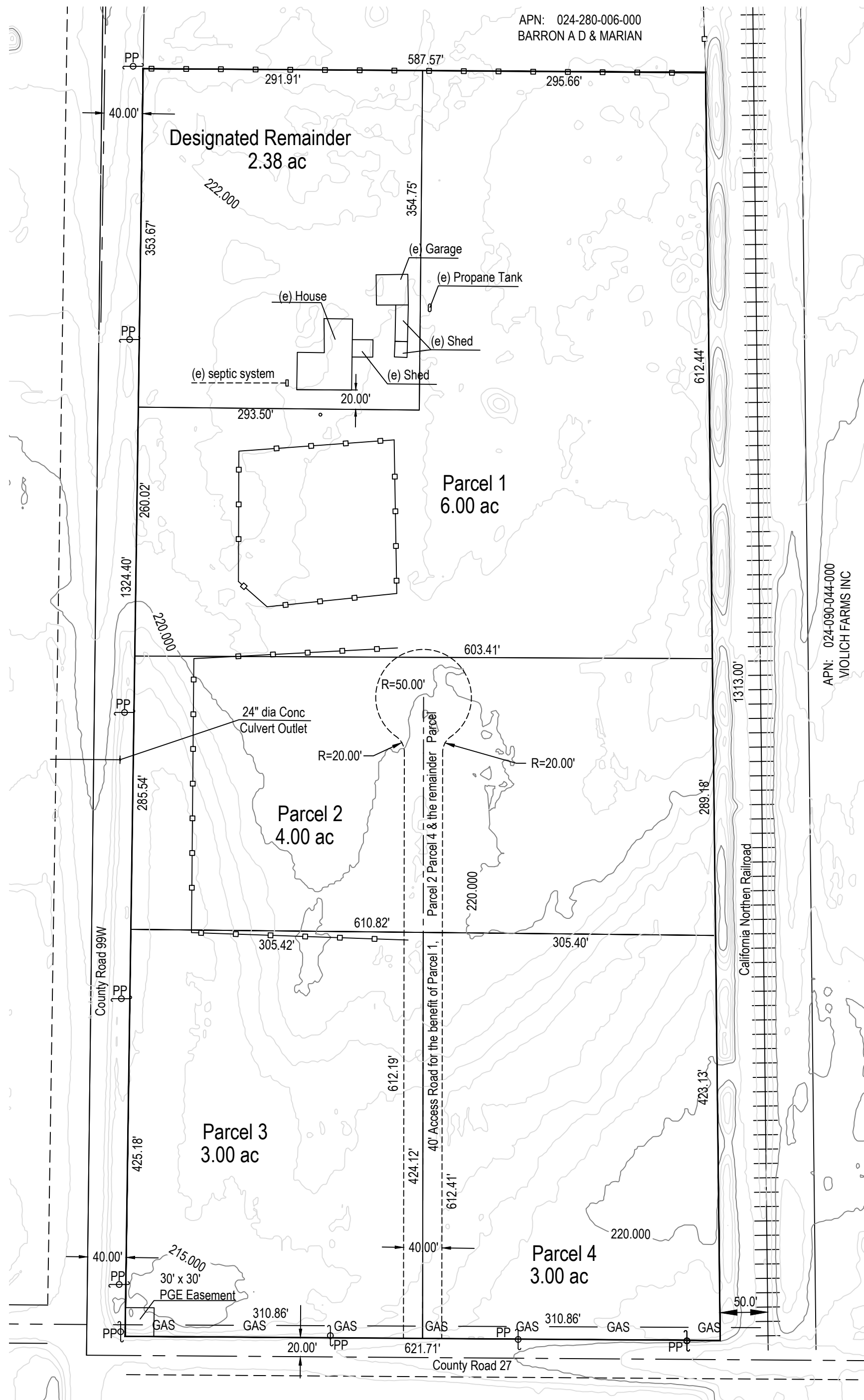
From: Kevin Backus, REHS  
Director, Glenn County PCDSA - Environmental Health Department

Re: TPM 2022-002, Jouhal, APN 024-090-013 (**Update/Revised Land Division**)

We have reviewed the update and revised application information for the project noted above and recommend it be found complete for further processing. We have the following comments/requirements:

1. The proposed designated remainder has a dwelling, water well, onsite wastewater treatment system (OWTS) and replacement area.
2. Proposed parcels One, Two, Three and Four are undeveloped. Soil testing conducted in December 2008 shows these parcels can be developed with a Filter Trench Type I OWTS and replacement area.
3. Water well setbacks from OWTS shall be a minimum of 150 feet. Water wells shall only serve the parcel which it is located on and shall not cross property lines.
4. All water wells and OWTS shall be permitted thru the Environmental Health Department.
5. Based on the Environmental Site Assessment reports submitted for this property all Conclusion/Recommendations shall be completed to ensure compliance with CA OES and all Health & Safety minimum standards. Contaminated soils, materials and liquids shall be removed from the property and disposed at an approved facility. A report detailing, but not limited to, the sampling, removal, disposal and clean-up shall be submitted to Glenn County upon completion.
6. If the existing water well is unable to meet minimum standards for potable drinking water it shall be destroyed and a new water well drilled under Environmental Health permit.
7. These requirements shall be completed prior to the Tentative Parcel Map being recorded.

Please contact Environmental Health at 530-934-6102 with any questions on this matter.



**OWNERS CONSENT**

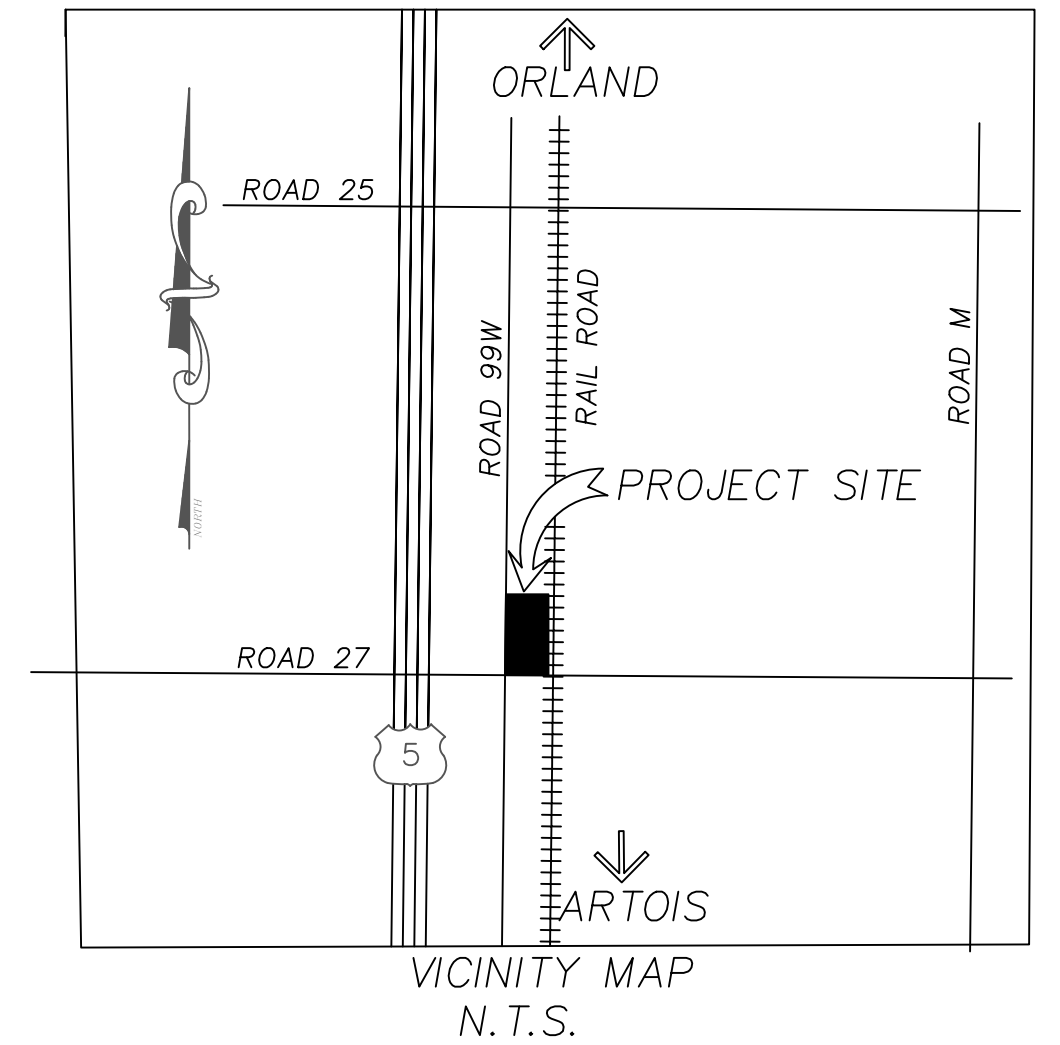
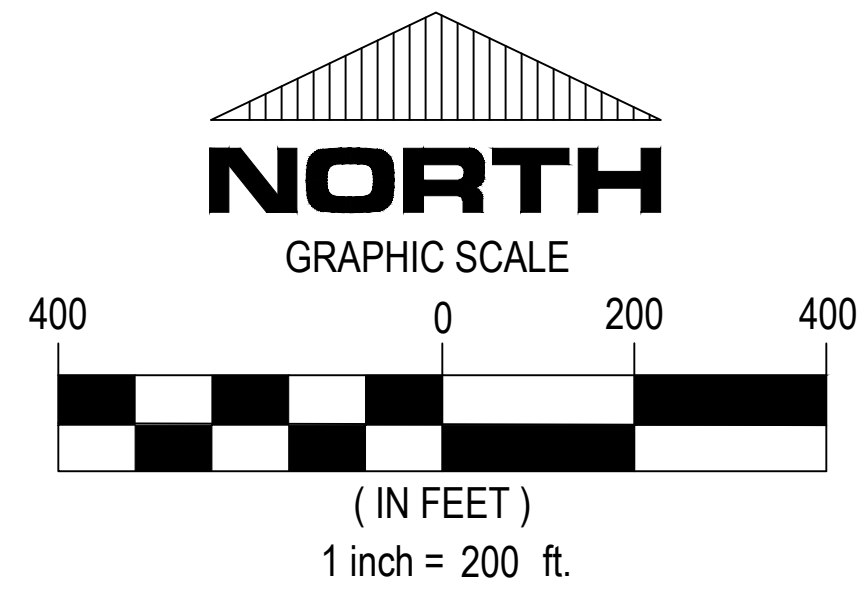
WE THE UNDERSIGNED OWNERS HEREBY  
 CONSENT TO THE PREPARATION OF THIS  
 TENTATIVE PARCEL MAP

*A.S. Jouhal*

AMARDEV JOUHAL

**OWNERS INFORMATION**

APN: 024-090-013  
 AMARDEV JOUHAL  
 PO BOX 181188  
 CORONADO CA 92178  
 (619) 522-4593



ELECTRICAL  
 PG&E

SEWER  
 ON-SITE SEPTIC

WATER  
 INDIVIDUAL ON-SITE WELLS

PROPOSED USE:  
 REMAINDER LOT: SINGLE FAMILY RESIDENTIAL  
 PARCELS 1,2,3,4: SERVICE COMMERCIAL

EXISTING USE: SINGLE RESIDENCE

CURRENT ZONING: SC

GENERAL PLAN DESIGNATION: SERVICE COMMERCIAL

**TENTATIVE PARCEL MAP**

THE SOUTH 1330 FEET OF ALL THAT PART OF SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 21 NORTH, RANGE 3 WEST, WHICH LIES WEST OF THE RAILROAD RIGHT OF WAY AND EAST OF THE STATE HIGHWAY LEADING FROM ORLAND TO GERMANTOWN, SAVING AND EXCEPTING THEREFROM A STRIP OF LAND OFF THE SOUTH AND THEREOF, 20 FEET IN WIDTH USED FOR A PUBLIC HIGHWAY.

**Surveyor's Statement**

This Tentative Parcel Map correctly represents a survey made by me or under my direction in conformance with the requirements of the Professional Land Surveyors' Act at the request of AMARDEV JOUHAL in July 2023.

*Brien G. Hamilton*

Brien G. Hamilton, L.S. 8484  
 Hamilton Engineering Incorporated



**PROPOSED PARCELS**

PARCEL 1	6.00 ACRES
PARCEL 2	4.00 ACRES
PARCEL 3	3.00 ACRES
PARCEL 4	3.00 ACRES
REMAINDER	2.38 ACRES

TOTAL 18.38 ACRES

BRIEN G. HAMILTON  
 R.C.E. 67133  
 EXPIRES: 09-30-24

PREPARED BY  
 HAMILTON ENGINEERING INC.  
 P.O. BOX 978  
 ORLAND, CA 95963, 530 865-8551



# PHASE I REPORT

## ENVIRONMENTAL SITE ASSESSMENT



**PREPARED FOR**  
Amardev Jouhal  
**PREPARED BY**  
MEI





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
01/13/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

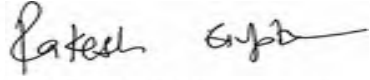
<b>PRODUCER</b> BIBERK P.O. Box 113247 Stamford, CT 06911	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): 844-472-0967		<b>FAX (A/C, No):</b> 203-654-3613
	<b>E-MAIL ADDRESS:</b> customerservice@biBERK.com		
	<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b> 10391
<b>INSURED</b> Musson Environmental & Inspection, LLC  2416 G Street Sacramento, CA 95816	<b>INSURER A :</b> Berkshire Hathaway Direct Insurance Company		
	<b>INSURER B :</b>		
	<b>INSURER C :</b>		
	<b>INSURER D :</b>		
	<b>INSURER E :</b>		
	<b>INSURER F :</b>		

**COVERAGES                                  CERTIFICATE NUMBER:                                  REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR		POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
		INSD	WVD					
	<b>COMMERCIAL GENERAL LIABILITY</b>  <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	\$ \$ \$ \$ \$ \$
	<b>AUTOMOBILE LIABILITY</b>  <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	\$ \$ \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE AGGREGATE	\$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	<input type="checkbox"/> Y <input type="checkbox"/> N	N/A				<input type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	\$ \$ \$
A	Professional Liability (Errors & Omissions): Claims-Made			N9PL984071	01/10/2023	01/10/2024	Per Occurrence/ Aggregate	\$1,000,000/ \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b>  Musson Environmental & Inspection, 2416 G Street Sacramento, CA 95816-	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE  



April 16, 2023

## Final Report

TO:

Amardev Jouhal  
Current Property Owner

RE: Phase I Environmental Site Assessment of Property at 3700 County Road 99W in Orland,  
California (the Subject Property)  
MEI Project No. 23-Ph1-Jouhal

Dear Amardev,

Musson Environmental & Inspection (MEI), provides you the enclosed Phase I Environmental Site Assessment of the above referenced property. This assessment was performed in general accordance with ASTM E1527-21, Phase I Environmental Site Assessments (ESA).

This assessment includes details regarding the Phase I ESA process along with results of the site walk-through reconnaissance, key site manager interview, physical site setting review, environmental records review, historical review, government database records review, findings, conclusions, and recommendations.

Please call me if you'd like to discuss this further, (916) 261-6301

Tim Musson  
Environmental Professional, EP

**PHASE I  
ENVIRONMENTAL  
SITE ASSESSMENT REPORT**

**Residential Property  
3700 County Road 99 West  
Orland, California 95963**

**Prepared for**

**Amardev Jouhal  
Property Owner**

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## 1.0 EXECUTIVE SUMMARY

MEI has performed this Phase I ESA for the subject property located at 3700 County Road 99 West in Orland, Glenn County, California.

The following is a summary of findings identified during this environmental assessment.

### 1.1 Summary of Findings

The following table discusses environmental concerns (if any) identified for the subject property during this assessment.

Environmental Conditions	
Recognized Environmental Condition (REC)	<ol style="list-style-type: none"><li>1. The site reconnaissance has identified open containers on the north end of the subject property, which contain unknown liquid (liquid waste), potentially petroleum-based and likely associated with the former storage operation that has recently vacated its operation on the subject property. The open containers include one 55-gallon steel drum filled approximately one-third full with an unknown oily-based liquid, and two 5-gallon buckets containing an unknown black liquid. One of the buckets was knocked over and contents also included what appear to be stained rags, likely petroleum-based. Also, smaller closed containers were observed, one labeled as Turbine Oil. In addition, small areas of visible staining were observed throughout the gravelly surface of the subject property. The heaviest staining appears to be on the north end. Based on these observations and current/future residential use of the subject property; in conjunction with, a shallow drinking water table, and gravelly lithology - the EP considers these observations to present an elevated human health risk hence a <b>Recognized Environmental Condition</b> to the subject property at this time.</li><li>2. Prior to this Phase I ESA, the subject property domestic well was sampled for Total Coliform, E. Coli, and Nitrate as N. The test results identified Nitrate as N and Total Coliform, therefore, the well was treated with chlorine and re-tested. The presence of Total Coliform and Nitrate as N in the drinking water is likely attributed to the animal waste associated with the single-family home and/or the septic system. Since bacteria was identified in drinking water, a pathway may exist for other contamination to enter the drinking water table. This pathway is likely attributed to the shallow depth to drinking water (only approximately 85 feet below ground surface) and the gravelly surface lithology. A Well Completion Report found online for the adjoining western property shows the soil lithology to consist of gravel to 44 feet deep, clay from 44-58 feet, then</li></ol>

REC Continued	gravel from 58-88 feet; therefore, the thick gravel layers with large soil voids above the drinking water, provide a route for contamination to migrate vertically to the water table. Based on the former (but recent) storage operations on the subject property and the observed field reconnaissance observations, the EP considers the potential for petroleum contamination (VOCs) in the domestic well to present an human health risk hence a <b>Recognized Environmental Condition</b> to the subject property at this time.
Historical Recognized Environmental Condition (HREC)	No HRECs were identified as part of this assessment.
Controlled Recognized Environmental Condition (CREC)	No CRECs were identified as part of this assessment.
Business Environmental Risk (BER)	No BERs were identified as part of this assessment.
De Minimis Condition	No De Minimis Conditions were identified as part of this assessment.
Environmental Concerns	No Environmental concerns were identified as part of this assessment.

## 1.2 Definitions

Provided below are the ASTM definitions for the terms used above and/or throughout this report.

**REC** - defined by ASTM as “(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) the 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.”

**HREC** - defined by ASTM 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 subject property to any controls.”

**CREC** - defined by ASTM as “a 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 implementation of required controls (for example, activity and use limitations or other property use limitations)."

**BER** - defined by ASTM as a "risk that can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in this practice."

**De Minimis Condition** - defined by ASTM as "a condition related to a release that generally does 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."

### **1.3 Significant Data Gaps / Data Gaps**

The following data gaps were identified for this assessment.

- None - no data gaps or significant data gaps were identified.

### **1.4 Conclusions and Recommendations**

This Phase I has identified two RECs associated with the field observations and drinking water, as discussed above.

The following recommendations are provided:

- To address the REC connected to the site reconnaissance observations, a limited surface soil sampling assessment is recommended to further evaluate the soil conditions with the upper five feet, which could impact future development.
- The domestic well should be further evaluated with more testing, which should include volatile organic compounds (VOCs).
- The 55-gallon drum and 5-gallon buckets containing unknown liquid waste should be sampled (characterized) so that transport / disposal can be arranged.

### **1.5 Signature of Environmental Professional**

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

Timothy Musson  
Environmental Professional, EP





## 2.0 INTRODUCTION

The purpose of this Phase I ESA is to research and evaluate both the current and historical activities connected to the subject property, in order to determine any environmental risk that would be identified as a REC, HREC, CREC, BER or De Minimis Condition; either attributed to an environmental condition on the subject property itself or potentially from an off-site source, such as, an adjoining property.

In general, the identification of environmental conditions, such as a REC, in connection with the subject property may impose an environmental liability on owners or operators of the subject property reduce the value of the subject property, or restrict the use or marketability of the subject property, and therefore, further investigation may be warranted to evaluate the scope and extent of potential environmental liabilities.

This report has been prepared in a manner consistent with the level and skill ordinarily used by other professional environmental consultants, under similar circumstances at the time the services were performed, in this or other similar localities, and consistent with our understanding of the protocol outlined in the American Society for Testing and Materials (ASTM) E: 1527-21. No other warranties are expressed or implied.

Unless additions are made to the Phase I ESA, it does not include the assessment of non-scope items; such as, asbestos containing materials, biological agents, cultural / historic resources, ecological resources, endangered species, radon, lead-based paint, lead in drinking water, mold, and wetlands, etc.

### 2.1 Limitations and Expectations

No environmental site assessment can wholly eliminate uncertainty regarding the potential of recognized environmental conditions in connection with a property.

Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and recognizes reasonable limits of time and cost. ASTM defines "recognized environmental conditions" as, "The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or the surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies." ASTM also states, "It should not be concluded or assumed that an inquiry was not all appropriate inquiry merely because the inquiry did not identify recognized environmental conditions in connection with a property. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be

considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors."

Along with all of the limitations set forth in various sections of the ASTM E1527-21 protocol, the accuracy and completeness of this report may be limited by access limitations, physical obstructions to observations, outstanding information requests, historical data source failure, and other limitations. This assessment did not include a review or audit of operational environmental compliance issues, or of any environmental management systems that may exist on the property.

Where required, the documents listed in the Appendices were used as reference material for the completion of the Phase I ESA. Some of the information presented in this report was provided through existing documents and interviews. The information and conclusions contained in this report are based upon work undertaken in accordance with generally accepted engineering and scientific practices currently at the time the work was performed. The conclusions and recommendations presented represent the best judgment of MEI based on the data obtained from the work. Due to the nature of investigation and the limited data available, MEI cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be construed as legal advice.

Should additional information become available which differs significantly from our understanding of conditions presented in this report, we request that this information be brought to our attention so that we may reassess the conclusions provided herein.

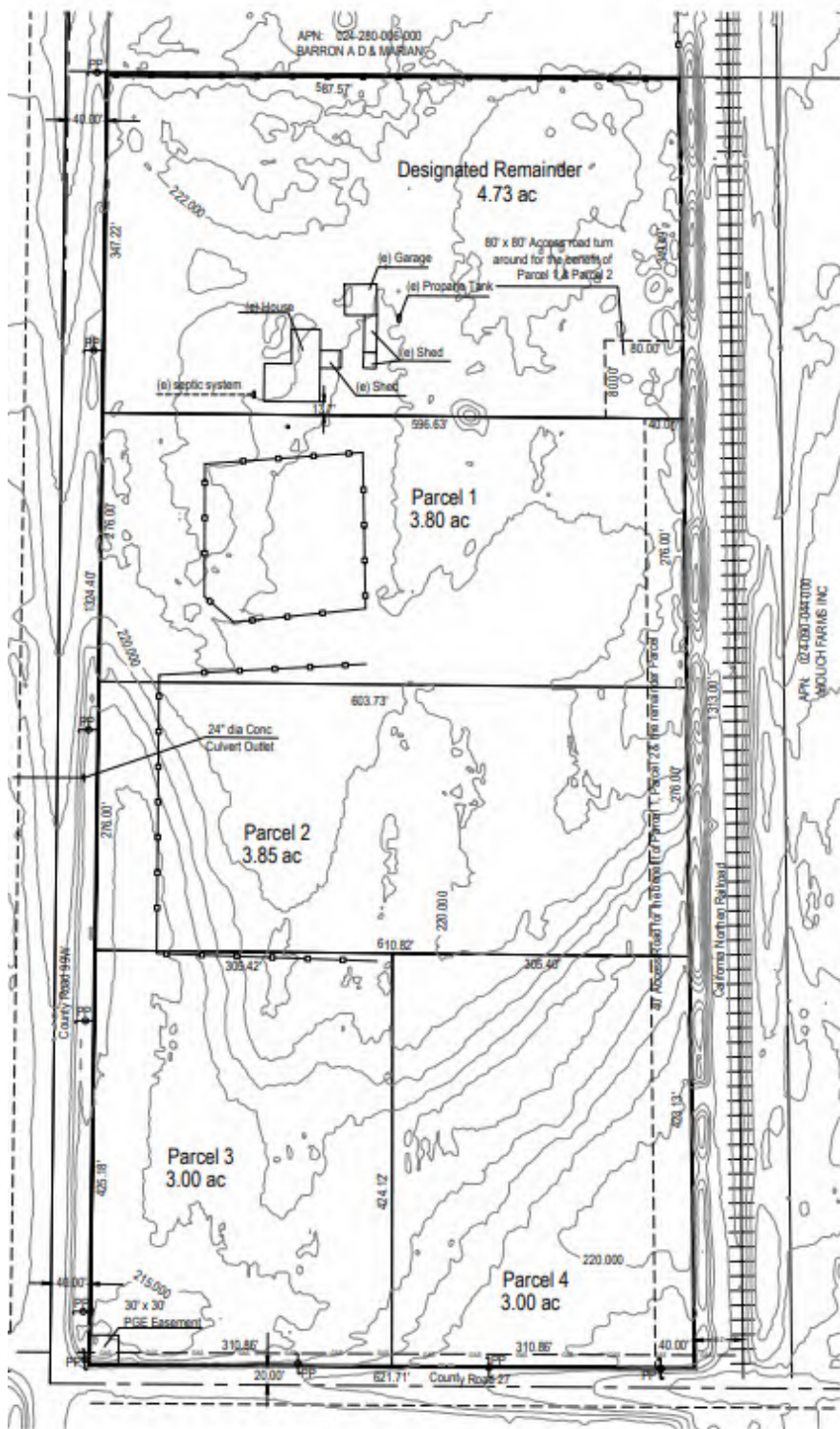
## **2.2 Reliance**

This report has been prepared for the sole benefit of current property owner Mr. Amardev Jouhal. The report may not be relied upon by any other person or entity without the express written consent of Mr. Jouhal.

This Phase I ESA is being prepared for the prospective improvements to be made on the subject property, which include the splitting of the property into four additional parcels, located south of the present-day residence.

A snapshot from the Tentative Parcel Map is shown below, and the Tentative Parcel Map has been included in the Appendices section of this report.

## Snapshot - Prospective Property Improvements



## 2.3 Client (or other) Provided Environmental Information and Online Request/Research

The following records were obtained by the client, requested from various city departments, or were identified during our online research. Any prior reports or documentation obtained by buyer or seller agent(s) are discussed below.

- On March 30, 2023, we called the Orland Volunteer Fire Department at (530) 865-1525; left a message indicating MEI is performing a Phase I ESA at 3700 County Road 99W and that the intent was to identify any potential underground or aboveground storage tank records connected to the subject property. No response was received. Our call was returned on April 3, 2023 and the receptionist indicated that the subject property is served by the Artois Fire Department.
- On March 30, 2023 we called the City of Orland. The receptionist indicated that the City of Orland would likely not have records on the subject property because the subject property is outside city limits; however, the receptionist did indicate that the City Orland fire department does service the area outside city limits, Glenn County.
- On March 30, 2023, we emailed Alyssa Cordova (Environmental Program Manager) with County of Glenn California CUPA (Certified Unified Program Agency) in regard to any files (especially environmental or building) the department may have on the subject property, specifically addressing the location of a historic underground storage tank, shown near the southwest corner of the subject property with address I5 and CR 27. Ms. Cordova responded to our request same-day, indicating that the underground tanks were located south of the subject property and that the tank case was Closed by the County of Glenn Air Pollution Control District on August 1, 1995. A copy of the closure letter and map depicting the former tank location is found in Appendices. The former underground storage tanks are not viewed as an environmental concern or REC to the subject property.
- On March 30, 2023 we received a Well Water Production and Analysis report and associated analytical report connected to the sampling of the subject drinking water well (domestic well). On August 8, 2022 the chain of custody indicates the domestic well was sampled for Total Coliforms, E. Coli, and inorganic Nitrate as N. The lab results indicated the presence of Total Coliforms in the drinking water and inorganic Nitrate as N at 7.29 mg/l, which is under the Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) of 10 mg/l. Because of the presence of Total Coliforms, it appears the well water was treated with chlorine. The well was again sampled on August 31, 2022 and lab results did not show the presence of Total Coliforms or E Coli. The inorganic Nitrate as N was not sampled during the second round of sampling.
- On April 2, 2023 we received the completed User Questionnaire form. The form indicated that the previous property owner stored equipment / trailers on the property, which were (are currently) removed. The User also indicated that a Notice of Non-Compliance was issued to the subject property in connection with the previous owner storing overflow equipment, vehicles, and trailers on the subject property, which were associated with a nearby junkyard.
- On April 3, 2023 we emailed Rodney Pozzi (Fire Chief - Artois Fire Department) with a request for any environmental and or building information that may be available on the subject

property, especially in regard to underground storage tanks. As of this report date we have not received a response.

### **3.0 SUBJECT PROPERTY DESCRIPTION/DETAILS**

The sections below provide specific details for the subject property, including legal and building information, applicable utilities, and property characteristics, such as, local hydrology and presumed groundwater flow.

#### **3.1 Present-Day Subject Property Description**

The subject property is located in a rural area approximately four miles south of Orland city limits and occupies the northeast quadrant of County Road 99W and County Road 27. A railroad spur parallels the eastern property boundary.

The approximate 20-acre property comprises one parcel housing a residence (single-family home) and associated ancillary structures (sheds for small hobby animals, chickens, dogs, etc), which occupy the northwest section of the parcel. The remaining parcel is vacant land. Access to the property is provided from County Road 99W.

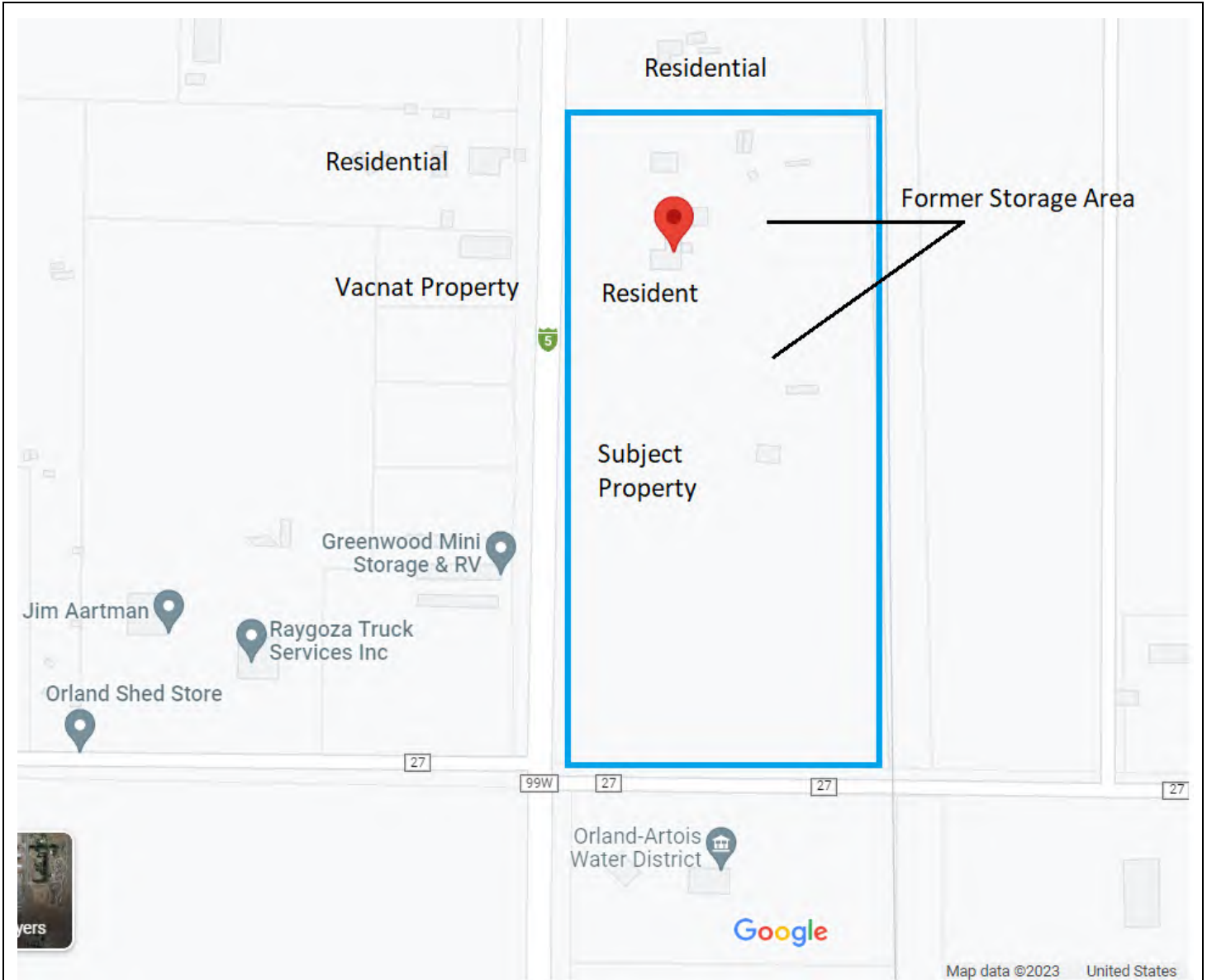
#### **3.2 Legal Information**

The official address of the subject property is 3700 County Road 99W, Orland, CA 95963. The parcel number assigned to the subject property by County of Glenn is 024-090-013. The General Plan is shown as Service Commercial. No other information is presented by the county for the subject property.

#### **3.3 Maps and Figures**

The present-day subject property layout is shown below. The most recent aerial imagery and a topographic map area also presented in this section below.

**Figure 1 - Subject Property Layout**



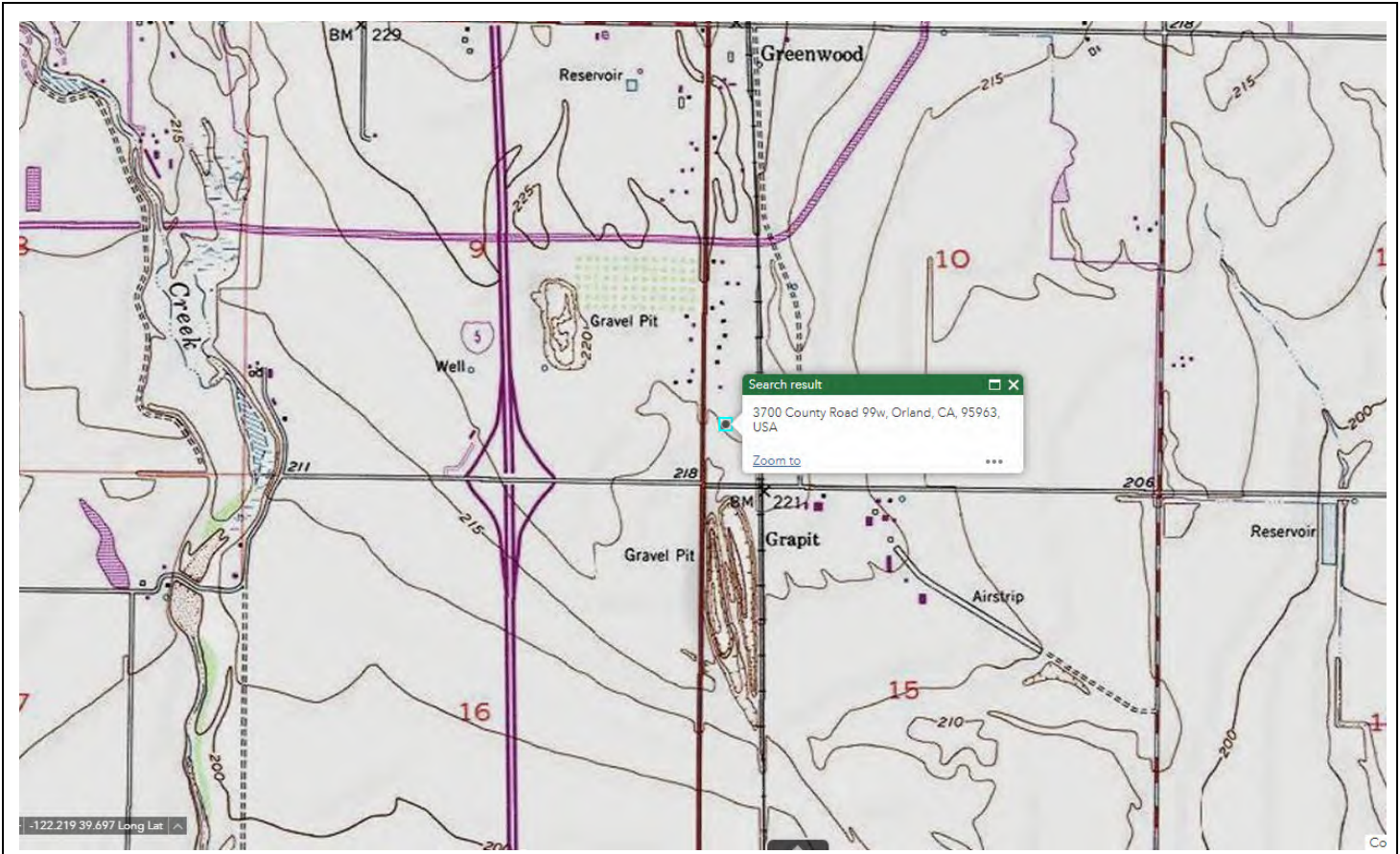
The present-day layout of the subject property is shown in the figure above. The former storage area was located east and south of the current resident (single-family home).

**Figure 2 - Subject Property Aerial**



The present-day aerial photograph of subject property and adjoining properties is shown in the Figure above.

**Figure 3 - Topographic Map**



A topographic map (United States Geological Survey, USGS) showing the subject property and general area is shown in the Figure above. The topographic contours depict south-southwesterly slope near the subject property.



### 3.4 Subject Property Features Table

The table below provides specific details about the subject property and its present-day features and condition.

**Subject Property Details Table**

Property Area	19.67 acres.
No. of Buildings	One main building, a single-family home.
Building Area (gross)	The residential home is approximately 2,000 square feet.
Building Construction	Wood-frame, Slab-On-Grade.
Construction Year	1973.
Significant Property/Building Renovations	None.
Utilities	Underground Electric, central-forced air.
Water Service	Well.
Sanitary	Septic System.
Property Access	Access provided on the west side of property off County Road 99W.
Drainage	The subject property is not covered with asphalt or concrete - drainage is likely by infiltration and sheet flow may likely be.
Inferred Groundwater Flow Direction	Likely southwest based on topographic contours.

### 3.5 Physical Characteristics

The table below provides detail on the physical earth characteristics for the subject property and general area.

**Physical Characteristics Table**

Topography	<b>Elevation</b> - approximately 222 feet above sea level according to the Physical Settings Report.
	<b>UTM Zone</b> - Zone 10S.
	<b>Topographic Quad</b> - Orland, CA.
	<b>General Slope</b> - Southwest.
Hydrology	<b>Depth to Groundwater</b> - The depth to perched groundwater is unknown. The static depth to drinking water is approximately 85 feet below ground surface.
	<b>Groundwater Flow Direction</b> - Likely southwest based on topographic contours.
	<b>Nearest Water Body</b> - Tehma Colusa Canal located approximately 1,500 feet north of the subject property.
	<b>Flood Zone</b> - X12.
	<b>Wetland</b> - None Identified on subject property.
Geology	<b>Geologic Unit</b> - Quaternary Alluvium and Marine Deposits; Pliocene to Holocene age.
	<b>Soil</b> - Cortina very gravelly sandy loam.
	<b>Radon</b> - Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L. The Environmental Protection Agency (EPA) action level for indoor radon is 4.0 pCi/L. The World Health Organization (WHO) action level for indoor radon is 2.7 pCi/L.

### 3.6 Adjacent Property Information

The following table shows information connected to the adjacent properties.

**Adjoining Property Information Table**

North Adjacent	<b>Address(s)</b> - 3712 County Road 99W.
	<b>Property Use / Zoning</b> - Residential.
	<b>Occupants</b> - Single-Family.
South Adjacent	<b>Address(s)</b> - 6505 County Road 27.
	<b>Property Use / Zoning</b> - Municipal.
	<b>Occupants</b> - Orland-Artois Water District.
West Adjacent West Adjacent Continued	<b>Address(s)</b> - 3705 County Road 99W, 3699 County Road 99W, 3681 County Road 99W.
	<b>Property Use / Zoning</b> - Residential, Commercial, Commercial.
	<b>Occupants</b> - Single-Family Home, Vacant Building, U-Haul/Greenwood Mini Storage & RV.
East Adjacent	<b>Address(s)</b> - NA.
	<b>Property Use / Zoning</b> - Agricultural.
	<b>Occupants</b> - None.

## 4.0 HISTORICAL SUMMARY

The historical use of the subject property and adjacent properties were researched (provided by a third-party source - ERIS) using multiple resources which include but are not limited to Sanborn Fire Insurance Maps, Aerial Photographs, City Directories, Topographic Maps, and a Lien Search.

The complete known history of the subject property and adjacent property, based on the historical records obtained, is presented in the table below. All provided records are listed with their appropriate year, and the record information is discussed where appropriate.

**Fire Insurance Map (FIM) “Sanborn Maps” are not included in the table because no FIM coverage for the subject property is available. A lien search was conducted and did not identify any environmental liens.**

**Historical Use Table**

Timeline (Years)	Subject Property	Adjacent (Adjoining) Properties
Early 1900’s - Mid-Century	<p><b>Topographic Maps (1906, 1914)</b> - The topographic maps do not depict any features on the subject property. The subject property is likely vacant land during this time.</p> <p><b>Aerial Photographs (1947)</b> - The earliest aerial photographs, 1947, shows the subject property as vacant land.</p> <p>Based on the topographic maps and aerial photographs the subject property is likely vacant land back in the early 1900’s.</p>	<p><b>Topographic Maps</b> - The topographic maps do not depict any structures or building features on the adjoining properties or in the general area. A gravel pit is depicted just south of the subject property and the present-day railroad spur bordering the subject properties eastern border is also depicted during these years, labeled as Pacific Railroad by 1914. Both County Road 99W and County Road 27 are depicted during this time.</p> <p><b>Aerial Photographs</b> - Small developments are shown on the northwest adjoining property and north adjoining property, both likely residential.</p>

<p>1950s-1970s</p>	<p><b>Topographic Maps (1951, 1969, 1978) -</b>          The topographic maps do not depict any features on the subject property.</p> <p><b>Aerial Photographs (1958, 1969) -</b> The subject property still appears to be vacant land at this time.</p> <p><i>Online information shows the development date for the subject property as 1973.</i></p>	<p><b>Topographic Maps -</b> Structures, likely single-family homes, are now depicted on the northern and northwestern adjoining properties. A gravel pit is now depicted over five hundred feet northwest of the northern subject property boundary.</p> <p><b>Aerial Photographs -</b> The aerial photographs concur with the topographic maps as they show single-family homes on the northern adjoining and northwest adjoining properties.</p>
<p>1980s-20006</p>	<p><b>Aerial Photographs (1983, 1988, 1998) -</b>          By 1983, the present-day single-family home is now shown. The remainder of the subject property appears to be vacant land. Based on the aerial photographs it can be concluded that the single-family home was constructed sometime between 1969-1983. <i>Online information shows the development date for the subject property as 1973.</i></p> <p><b>City Directories (1985, 1990, 1995, 1996, 2000) -</b> No streets or listings are presented in the 1985 city directory. The subject property is not shown on the 1990 city directory.</p> <p>By 1995 the subject property appears in the city directory and looks to be residential during this time.</p> <p>In 2000, the subject property is not shown.</p>	<p><b>Aerial Photographs -</b> The southern adjoining property has now been developed with what appears to be its present-day municipal use. Further development of the western adjoining land is now underway with expansion in the northwest; and the development of present-day storage building on the western adjoining land.</p> <p><b>City Directories -</b> No streets or listings are presented in the 1985 city directory. The adjoining properties are not shown on the 1990 city directory.</p> <p>By 1995, the western adjoining property (3705) appears in the city directory and looks to be residential during this time.</p> <p>In 2000, the northern adjoining property (3712) is now shown and appears to be residential. The western adjacent property is still shown as residential.</p>

	In 2003, the subject property is still not shown.	In 2003, the western adjoining property (3681) is shown as Greenwood Mini Storage and the southern adjoining property (6505) is shown as Orland-Artois Water Dist.
2006-2008	<p><b>Aerial Photographs (2006)</b> - The northeast quadrant of the subject property is now shown with several small objects, which are most likely trailers, automobiles, and possibly heavy equipment. No major changes appear to the single-family home.</p> <p><b>City Directories (2008)</b> - In 2008, the subject property is not shown in city directory information.</p>	<p><b>Aerial Photographs</b> - No major changes.</p> <p><b>City Directories</b> - The western adjoining properties are still shown as residential and Greenwood Mini Storage. The north adjoining property is still residential, but is also a business listed as Dog House (Grooming Service).</p>
2010	<p><b>Aerial Photographs (2010)</b> - The objects from the northeast quadrant of the subject property are no longer shown as they have been removed from the property. No major changes appear to the single-family home.</p>	<p><b>Aerial Photographs</b> - The storage building operation expands slightly.</p>
2012-2020	<p><b>Aerial Photographs (2012, 2014, 2016, 2018)</b> - The northeastern quadrant of the subject property is now again shown with multiple objects, appearing to be storage trailers. The operation continues to expand in volume over the years, and by 2018 has expanded to the southern portion of the subject property.</p> <p><b>Topographic Maps (2015, 2018)</b> - No significant changes depicted.</p>	<p><b>Aerial Photographs</b> - The storage building operation continues to expand and occupy the western adjoining land.</p> <p><b>Topographic Maps</b> - No significant changes depicted.</p>

	<p><b>City Directories (2012, 2016, 2020)</b> - In 2012 the subject property is shown again in city directories and is listed as residential, but is again not shown in subsequent years.</p>	<p><b>City Directories</b> - No changes. The western adjoining is still residential and Greenwood Mini Storage, the north adjoining is a residential and dog grooming service, and the southern adjoining is still Orland Artois Water District.</p>
<p>Present-Day, 2022</p>	<p><b>Aerial Photographs (2022)</b> - The subject property has now been cleared of the previous storage trailers and this portion of the property is again vacant land. No major changes appear to the single-family home.</p> <p><b>Topographic Maps (2022)</b> - No significant changes depicted.</p> <p><b>City Directories (2022)</b> -In 2022, the subject property is not shown in directory information.</p>	<p><b>Aerial Photographs</b> - All adjoining properties have been developed.</p> <p><b>Topographic Maps</b> - No significant changes depicted.</p> <p><b>City Directories</b> - No significant changes.</p>

In summary, the historic use of the subject property has been vacant undeveloped land up until 1973, where the property was first developed into its current residential use with the present-day single-family home located on the northwestern quadrant of the parcel. Sometime between 1998-2006, the northeast quadrant of the subject property became used for storage of equipment, autos, trailers, and other miscellaneous items. Sometime between 2018-2022, these items were removed from the subject property and the area appears to have been re-graded.

The adjoining northwestern and northern properties were the first to be developed, shown by 1947. Their use is likely residential and the surrounding use is vacant or agricultural land. By the early 1980's all adjoining properties have been developed and their initial use appears to still be the same use today.

The historic use research has not identified any environmental concerns and/or RECs at this time.

## 5.0 REGULATORY RECORDS REVIEW

MEI contracted Environmental Risk Information Service (ERIS) to conduct a search of Federal and State databases containing known and/or suspected sites of environmental contamination. An EP reviewed the database information for reported government agencies and discussed when appropriate. The results of the database search are discussed below.

### 5.1 Subject Property Regulatory

The results of the regulatory database search were reviewed by the EP specific to the subject property. If warranted, additional review of available regulatory file, on-line information, and/or client provided information is also presented and/or discussed when needed to provide an environmental professional opinion on the potential environmental risk associated with the identified regulatory finding.

A summary of the database listings connected to the subject property are shown below with their description and briefly discussed.

- **HAZNET** (Brady Shin, International PSO INC)) - Handlers from Hazardous Waste Manifest Data - a list of handlers not otherwise classified as Treatment, Storage, Disposal Facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS). The DTSC shows both listings inactive as of 8/30/2006 and 6/21/2005. No waste types were listed in the database. This listing is not viewed as an environmental concern or REC to the subject property.

In summary, the regulatory records review portion of this assessment did not identify any environmental issues and/or RECs for the subject property.

### 5.2 Adjoining Property Regulatory

The regulatory history for the adjoining properties is presented in the table below.

#### West Adjoining - 3717 County Road 99W

Facility Name(s)	Database Listing(s)
United Mulch & Soil, United Bark Products	CERS HAZ, CUPA GLENN, EMISSIONS (2), FINDS/FRS (3)
Discussion: Multiple violations were reported for one or more of the facilities; however, the violations were administrative in nature and all violations appear to have Returned to Compliance. The North American Industry Classification System (NAICS) code shows Household Furniture (except wood and metal) manufacturing. No chemicals were listed and no indication of a chemical and/or petroleum release or mis-use was identified. The listings are not viewed as a REC or environmental concern.	



### West Adjoining - 3689 County Road 99W

Facility Name(s)	Database Listing(s)
Special Operations Group	FINDS/FRS, RCRA NON-GEN
<p>Discussion: The facility is a non-generator with no violations on record. The NAICS code shows Motor and Generator Manufacturing. No chemicals were listed and no indication of a chemical and/or petroleum release or mis-use was identified. The listings are not viewed as a REC or environmental concern.</p>	

### I5 & County Road 27

Facility Name(s)	Database Listing(s)
Jim Smerber	HHSS/UST SWEEPS
<p>Discussion: This record pertains to two 10,000-gallon underground storage tanks, which contained petroleum product. The records indicate the tanks were installed in 1982 and removed by 1985. No physical address is connected to the tanks other than I5 and Road 27. No releases were reported in connection with the tanks. The listings are not viewed as a REC or environmental concern.</p>	

### 5.3 Outlying Property Regulatory

The regulatory history for any outlying properties is presented in the table below.

### 6470 County Road 27

Facility Name(s)	Distance/Direction	Database Listing(s)
Interstate Distributor Co, Old Hickory Sheds	Approximately 1,000 feet west of the subject property.	AST, AST SWRCB, DRYCLEANERS, EMISSIONS
<p>Discussion: The AST listing is associated with one 30,000-gallon aboveground storage tank, likely associated with petroleum since the city directory shows the use as Trucking. A dry cleaner listing is associated with this facility; however, no dry cleaner was located in the city directory. Based on the overall distance from the subject property, no release or chemical inventory, and given the downgradient direction from the subject property with respect to perched groundwater flow; the listings are not viewed as a REC or environmental concern.</p>		

### 6569 County Road 27

Facility Name(s)	Distance/Direction	Database Listing(s)
Greenwood Dairy, Mission Livestock (Former Greenwood Dairy)	Approximately 100-200 feet southeast of subject property.	AST, CERS TANK, CUPA GLENN, RCRA NON-GEN
<p>Discussion: The AST listing is associated with one 11,700-gallon aboveground storage tank. The regulatory information shows this facility is associated with chemical storage, animal wastewater discharge, and aboveground petroleum storage. Violations were reported in 2015; however, all violations appear to be administrative in nature and were Returned To Compliance. No releases and/or cleanup events are noted in connection with the facility and the facility is a non-generator. The perched groundwater flow is estimated to be southwesterly, away from the subject property. The listings are not viewed as a REC or environmental concern.</p>		

The EP has reviewed the findings of the regulatory database search for the subject property and adjoining properties. The EP has also reviewed the findings for properties located beyond the adjoining properties; for any properties with regulatory history that may present an elevated risk to the subject property.

Except for those properties/sites listed in the section below, all other sites identified in the database are considered NOT to be a Recognized Environmental Condition or environmental concern associated with the subject property based on their regulatory status, absence of reported releases, their distances from the subject property, and/or based on their locations with respect to the subject property and the estimated groundwater flow direction.

The following records (associated with facilities of environmental significance) were identified within the database (subject, adjoining, outlying sites).

- None. Review of the Regulatory Database Record Report did not identify any sites of environmental concern.

The regulatory records review portion of this assessment did not reveal any Recognized Environmental Conditions and/or environmental concerns.

### 5.4 Supplemental Research

The online databases presented in the table below were also reviewed as part of this assessment supplement to the standard review. Any environmental concerns connected to the subject property or other sites are discussed below.

#### Supplemental Research Table

Database Review	Environmental Concerns
Environmental Protection Agency (EPA)	No environmental concerns identified.
California GeoTracker	No environmental concerns identified.
EnviroStar	No environmental concerns identified.
Department of Toxic Substance Control's Data Management System	No environmental concerns identified.
CAL EPA	Violation for Hazardous Material Release Response Plans 1/3/17 For Greater Sacramento Surgery Center. Diesel Fuel. This is not viewed as an environmental concern.

### 5.5 Interviews

The interview portion of this assessment along with any findings are presented in the table below.

#### Interview Table

Tite	Comments
Owner	MEI interviewed Mr. Jouhal, the current property owner. Our interview indicated that a portion of the property was used for equipment storage associated with a nearby junkyard. Mr. Jouhal was not aware of any other environmental issues associated with the property.
Current or Past Site Manager, Employees, Occupants	MEI interviewed the local tenant renting the single-family home. The tenant acknowledged the equipment storage use and indicated petroleum products were likely stored on the property. The tenant was not aware of any environmental issues or releases associated with the property.
State / Local Agency	We contacted various agencies, which has been discussed in this report.
Other	None.

## 6.0 VAPOR ENCROACHMENT EVALUATION

Vapor encroachment (also known as vapor intrusion) is the migration of volatile organic compounds (VOCs) from the subsurface into indoor building spaces. The VOC constituents, such as those found in petroleum, dry cleaning compounds, or other chemicals, can migrate as soil gas through the subsurface and into overlying building(s). The vapors may accumulate in dwellings or occupied buildings. At low levels, odors may not be noticeable in order to warn people that contaminants are present. Long-term exposure to petroleum vapors may increase the risk of developing adverse health conditions, including cancer. Though these risks are usually low, they are avoidable by identifying and then reducing or eliminating the vapor encroachment pathway. Considerations as to whether a vapor encroachment condition is a recognized environmental condition include depth to contaminated groundwater, the nearest structure location with respect to the contaminant plume, contaminant concentration, and structure design. No chemical and/or petroleum sources were identified for this assessment which would warrant a vapor encroachment evaluation.

## 7.0 SITE RECONNAISSANCE


The site reconnaissance was conducted on March 22, 2023 by Tim Musson, EP with MEI. Weather conditions at the time of the site reconnaissance was a slight overcast, approximately 55 degrees Fahrenheit.

### 7.1 Site Reconnaissance Findings

The table below lists typical features that were inspected or inspected for, during the site reconnaissance portion of this assessment. The findings of the reconnaissance are presented and discussed in the table below where applicable. Photographs of pertinent subject property features identified during the site reconnaissance are presented below the table discussion text.

**Site Reconnaissance Table**

Potential Environmental Concern	Present on Subject Property (Y/N)	Comments
Hazardous Substance and/or Petroleum Products	Y	<p>Petroleum products were observed on the subject property and include</p> <ul style="list-style-type: none"> <li>● One 55-gallon steel drum labeled as aseptic organic mango. The drum was open and approximately one-third full with unknown liquid content.</li> <li>● One knocked-over 5-gallon bucket with approximately less than 1-gallon unknown liquid content and old rags.</li> <li>● One 5-gallon container labeled Turbine Oil</li> <li>● One 5-gallon bucket filled with unknown liquid.</li> <li>● One container (approximately 3 gallons) is likely antifreeze.</li> </ul> <p>The approximate location of the drum and petroleum debris is shown below..</p>

		 <p>The open drum and petroleum debris are likely associated with the recent use of the property for equipment storage, consisting primarily of construction equipment, autos, semi's, and trailers.</p>
<p>Suspect Containers</p>	<p>Y</p>	<p>The 55-gallon drum was labeled as organic mango, however, the contents could not be verified and based on the recent property use and current property conditions, the drum contents may be petroleum-based or other type of hazardous waste. The chemical composition of the liquid content observed in the petroleum containers discussed above could not be verified either, but is likely petroleum.</p>
<p>Underground Storage Tanks</p>	<p>N</p>	<p>No underground storage(s) tank for apparatus was observed.</p>
<p>Aboveground Storage Tanks</p>	<p>N</p>	<p>No aboveground tank(s) or apparatus was observed.</p>

Oil/Water Separator	N	None
Drums, Totes, Containers	Y	One 55-gallon drum with unknown contents was identified and discussed above.
Interior / Exterior Staining, Corrosion, Soil and/or Vegetation Staining / Stressed	Y	Surface staining was observed in multiple locations where the former storage operation occurred. The heavier staining appeared to be on the north portion of the former storage area; however, staining was observed throughout the former storage area.
Stong, Pungent, or Noxious Odors	N	None Observed.
Stressed Vegetation (from potential petroleum or chemicals)	Y	Stressed vegetation was observed at the 55-gallon drum location.
Potential PCB Containing Items	N	None Observed.
Sumps	N	None Observed.
Drains, Drywells	N	None Observed.
Pits, Ponds, Lagoons	Y	None Observed.
Surface Water / Irrigation	N	None Observed.
Solid Waste Debris (construction and demolition)	Y	We observed household solid waste debris associated with common residential living and debris related to livestock. Large metal equipment (non-vehicle) was present on the subject property during this inspection. In addition, various concrete debris (small to large) was observed. Smaller foam-like debris was observed on the south end of the former storage area. Other various types of debris were also observed.
Stockpiles, Mounds	N	None Observed.
Disposal / Trash	Y	We observed trash burning on the subject property.
Evidence of Dumping	Y	The containers already discussed were strewn about a small area in the northern section of the subject property. Household garbage was present in small piles throughout

		the residential portion of the property. Burning of garbage/debris was also observed.
Wells (drinking, monitoring, etc), Dry Wells	Y	A drinking water well is present on the property. The well was sampled in August 2022. The well was sampled for Total Coliforms, E Coli, and Nitrate as N. The results of the sampling indicated the presence of Total Coliforms and Nitrate as N in the drinking water, however, the reported concentration of Nitrate as N was below the EPA Maximum Contaminant Level (MCL) of 10 mg/l. The drinking water was treated with chlorine and re-sampled for Total Coliforms and E. Coli and the post-treatment results did not identify either in the drinking water.
Septic Tank, Drainfield	Y	Located west of the single-family home.

The site reconnaissance has identified open containers on the subject property, likely petroleum-based and likely associated with the former equipment storage operations. The condition of the containers were poor with stained vegetation near the open drum was observed, in addition to knocked-over 5-gallon buckets containing what appear to be old stained rags and black liquid. Based on site reconnaissance observations, residential use of the property with presence of shallow drinking and gravelly lithology, the EP considers the observed drum/containers with unknown product to constitute a **Recognized Environmental Condition** to the subject property at this time.

The presence of Total Coliform in the drinking water is likely attributed to the animal waste associated with the single-family home and/or the septic system. Since the bacteria was present in the drinking water, there appears to exist a pathway for which contamination may enter the drinking water. This pathway is likely attributed to the shallow depth to drinking water (only approximately 85 feet below ground surface) and the gravelly surface lithology. A Well Completion Report found online for the adjoining western property shows the soil lithology to be gravel to 44 feet deep, clay from 44-58 feet, then gravel from 58-88 feet; therefore, the thick gravel layers above the drinking water provide a route for contamination to migrate vertically to the water table. Based on the past equipment storage use and present-day chemical and/or petroleum observations on the property; the EP considers the potential for drinking water contamination to constitute a **Recognized Environmental Condition** to the subject property at this time.

Photographs from the site reconnaissance are presented below.



## 7.2 Site Reconnaissance Photographs

The photographs collected for this assessment are shown below with a brief description.

### Site Reconnaissance Photographs



Exterior view of single-family home.



Exterior view of single-family home.



View of animal pen.



View of animal pen.



View of animal pen.



Exterior view of yard and single-family home.



View of yard, facing east towards vacant parcel.



View of yard.



View of yard and single-family home.



View of single-family home.



View of southwestern section of property, facing south near County Road 99W.



View of vacant land, facing north along County Road 99W.



View of southern section of property, facing south.







View of the central portion of property, facing north.



View of property in the southeast corner, facing south.



View of southern section of property, facing south.

easterly.	south.
 <p data-bbox="154 751 748 793">View of ditch along railroad spur, facing north.</p>	 <p data-bbox="815 751 1414 793">View of ditch along railroad spur, facing south.</p>
 <p data-bbox="154 1333 656 1375">View of soil staining center of property.</p>	 <p data-bbox="815 1333 1138 1375">Close-up of soil staining.</p>



Close-up of soil staining.



View of soil staining center of property.



View of soil staining north-central portion of property.



Close-up view of soil staining.



View of wooden railroad ties.



View of rock, brick, gravel debris.



View of concrete debris.



View of concrete debris.



View of container waste with unknown product.



View of container waste with unknown product.



View of container waste with unknown product.



View of container waste labeled as Turbine Oil.



View of 55-gallon drum.



Close-up of a 55-gallon drum.



View of unknown contents in 55-gallon drum.



Close-up of 55-gallon drum.



View of southern adjoining property.



View of southern adjoining property.



View of railroad easement and spur, facing north.



View of eastern adjoining property, facing north.



View of western adjoining property.



View of western adjoining property.



View of western adjoining property.



View of northwestern adjoining property.





View of northwestern adjoining property.



View of northern adjoining property.

## 8.0 NON-SCOPE ITEMS

In conducting this limited scope of services for this assessment, MEI did not assess the following list of non-scope items in connection with the subject property, unless requested by the Client and specified in this ESA report, 1) Asbestos Containing Material 2) Radon 3) Lead Based Paint 4) Lead in Drinking Water 5) Mold

### 8.1 Asbestos Containing Material (ACM)

The Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 requires certain construction materials to be presumed to contain asbestos, for purposes of this regulation. Some examples would include, but not limited to, thermal system insulation (TSI), surfacing material, and asphalt/vinyl flooring that are present in a building and that have not been appropriately tested should be considered to be presumed Asbestos Containing Material (ACM).

- ACM may be present at the subject property. The subject property was constructed at a time when the use of asbestos-containing building materials was common. During completion of our site reconnaissance, MEI identified materials which may contain asbestos, such as: floor tile, drywall and joint compound, ceiling tiles, caulks, glazings, mastics. These materials were not sampled since they were found to be in good condition at the time of our Assessment. No friable or damaged suspect ACM was observed at the property.

### 8.2 Radon

Radon is an odorless, colorless, tasteless radioactive gas that occurs from the natural breakdown (radioactive decay) of radium, uranium and thorium. The United States Environmental Protection Agency (EPA) has specified a Radon action level of 4.0 picocuries per liter of air (pCi/L). The health risk associated with radon is its potential rate of accumulation within confined areas, particularly confined areas near or in the ground, such as basements, where vapors can readily transfer to indoor air from the ground through foundation cracks or other pathways. Indoor gas levels depend primarily on the underlying geological formations and building construction characteristics. EPA has established three zones of radon:

- Zone 1 - Average predicted radon levels exceed EPA action level of 4 pCi/L.
- Zone 2 - Average predicted radon levels between 2.0 pCi/L - 4.0 pCi/L.
- Zone 3 - Average predicted radon levels less than 2.0 pCi/L.

Radon sampling was not conducted as part of this assessment. Review of the US EPA Map of Radon Zones places the subject property in Zone 3. Based upon the radon zone classification, radon is not considered to be a significant environmental concern.

### 8.3 Lead Based Paint (LBP)

Lead is a highly toxic metal that affects virtually every system of the body. Lead-Based Paint (LBP) is defined as any paint, varnish, stain, or other applied coating that has 1 mg/cm<sup>2</sup> (or 5,000 ug/g or 0.5% by weight) or more of lead. Congress passed the Residential Lead-Based Paint Hazard Reduction Act of 1992, also known as "Title X", to protect families from exposure to lead from paint, dust, and soil. Under Section 1017 of Title X, intact LBP on most walls and ceilings is not considered a "hazard," although the condition of the paint should be monitored and maintained to ensure that it does not

become deteriorated and flake off. Further, Section 1018 of this law directed the Housing and Urban Development (HUD) and the US EPA to require the disclosure of known information on LBP and LBP hazards before the sale or lease of most housing built before 1978.

- Due to the age of the subject property building 1980, lead-based paint may be likely; however, we did not see any signs of lead based paint or flaking paint.

#### **8.4 Lead In Drinking Water**

Lead in drinking water typically comes from elements in the plumbing system, the piping and is typically attributed to old pipes. In 1986, restrictions on the use of lead pipes for drinking water supplies were developed. The lead pipes were replaced with copper pipes, however, lead solders and flux were often used to join the pipes, and the lead solder is a major cause of lead contamination in drinking water today. Since 1988, solder that has a lead content over 0.2 percent cannot be used for joints or fittings in any private or public drinking water system. The EPA has established an 'action level' of 15 parts per billion (ppb) for lead in tap water. Those at the greatest risk of lead contaminated water are young children and pregnant women.

- Sampling for lead in drinking water was not within the scope of this assessment.

#### **8.5 Mold**

Molds are microscopic organisms found virtually everywhere, indoors and outdoors. Mold will grow and multiply under the right conditions, needing only sufficient moisture (e.g. in the form of very high humidity, condensation, or water from a leaking pipe, etc.) and organic material (e.g., ceiling tile, drywall, paper, or natural fiber carpet padding).

- MEI did not observe any obvious visual/olfactory indications of mold. No bulk sampling of suspect surfaces was conducted as part of this assessment and no additional action with respect to mold appears to be warranted at this time. The assessment is not intended to discover all areas which may be affected by mold growth on the subject property. Rather, it is intended to give the client an indication if significant (based on observed areas) mold growth is present at the subject property. Additional areas of mold not observed as part of this limited assessment, possibly in pipe chases, HVAC systems, and behind enclosed walls and ceilings, may be present on the subject property.

## **Appendix - Regulatory and Historic Database Records**

**Regulatory Database Report**

**Historical Aerial Photos**

**Topographic Maps**

**City Directories**

**Fire Insurance Maps**

**Physical Setting Report**

**User Questionnaire**

**Miscellaneous Documents**



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# DATABASE REPORT

**Project Property:** *Residential Property, Orland  
3700 County Road 99W  
Orland CA 95963*

**Project No:** *23Ph1-Jouhal*

**Report Type:** *Database Report*

**Order No:** *23032100610*

**Requested by:** *Musson Environmental & Inspection (MEI)*

**Date Completed:** *March 23, 2023*

**Environmental Risk Information Services**

*A division of Glacier Media Inc.*

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# Executive Summary

## Property Information:

**Project Property:** *Residential Property, Orland  
3700 County Road 99W Orland CA 95963*

**Project No:** *23Ph1-Jouhal*

**Coordinates:**

**Latitude:** *39.68417421*  
**Longitude:** *-122.19566447*  
**UTM Northing:** *4,393,013.76*  
**UTM Easting:** *568,973.52*  
**UTM Zone:** *UTM Zone 10S*

**Elevation:** *223 FT*

## Order Information:

**Order No:** *23032100610*  
**Date Requested:** *March 21, 2023*  
**Requested by:** *Musson Environmental & Inspection (MEI)*  
**Report Type:** *Database Report*

## Historicals/Products:

**Aerial Photographs** *Historical Aerials (with Project Boundaries)*  
**City Directory Search** *CD - 2 Street Search*  
**ERIS Xplorer** [\*ERIS Xplorer\*](#)  
**Excel Add-On** *Excel Add-On*  
**Fire Insurance Maps** *US Fire Insurance Maps*  
**Physical Setting Report (PSR)** *Physical Setting Report (PSR)*  
**Topographic Map** *Topographic Maps*

# Executive Summary: Report Summary

<i>Database</i>	<i>Searched</i>	<i>Search Radius</i>	<i>Project Property</i>	<i>Within 0.12mi</i>	<i>0.125mi to 0.25mi</i>	<i>0.25mi to 0.50mi</i>	<i>0.50mi to 1.00mi</i>	<i>Total</i>
<b><u>Standard Environmental Records</u></b>								
<b>Federal</b>								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	1	-	-	1
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	5	1	-	-	6
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0



Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FRP	Y	0.25	0	0	0	-	-	0
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0

#### State

RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	0	0
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
WMUD	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	0	-	0
RECYCLING	Y	0.5	0	0	0	0	-	0
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	1	0	-	-	1
UST SWEEPS	Y	0.25	0	1	0	-	-	1
AST	Y	0.25	0	2	1	-	-	3
AST SWRCB	Y	0.25	0	0	1	-	-	1
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	1	1	-	-	2
DELISTED CTNK	Y	0.25	0	1	0	-	-	1
HIST TANK	Y	0.25	0	0	0	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED CLEANUP	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
<b>Tribal</b>								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
<b>County</b>								
CUPA GLENN	Y	0.25	0	4	1	-	-	5
<b><u>Additional Environmental Records</u></b>								
<b>Federal</b>								
FINDS/FRS	Y	PO	0	4	-	-	-	4
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	1	2	1	4
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
<b>State</b>								
DRYCLEANERS	Y	0.25	0	0	1	-	-	1
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
TOXIC PITS	Y	1	0	0	0	0	0	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	1	1
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	2	-	-	-	-	2
HAZ GEN	Y	PO	0	-	-	-	-	0
HAZ TSD	Y	0.5	0	0	0	0	-	0

<b>Database</b>	<b>Searched</b>	<b>Search Radius</b>	<b>Project Property</b>	<b>Within 0.12mi</b>	<b>0.125mi to 0.25mi</b>	<b>0.25mi to 0.50mi</b>	<b>0.50mi to 1.00mi</b>	<b>Total</b>
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	3	-	-	-	3
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	2	2	-	-	4
CDL	Y	0.125	0	0	-	-	-	0

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County**

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<b>Total:</b>	<b>2</b>	<b>24</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>40</b>
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\* PO – Property Only

\* 'Property and adjoining properties' database search radii are set at 0.25 miles.

## Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev Diff (ft)</i>	<i>Page Number</i>
<a href="#">1</a>	HAZNET	BRADY SHIN	3700 COUNTY ROAD 99W ORLAND CA 95963	WSW	0.00 / 0.00	0	<a href="#">24</a>
<a href="#">1</a>	HAZNET	INTERNATIONAL PSO INC	3700 COUNTY ROAD 99W ORLAND CA 959639785	WSW	0.00 / 0.00	0	<a href="#">24</a>

## Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
<a href="#">2</a>	RCRA NON GEN	SPECIAL OPERATIONS GROUP INC ORLAND	3689 COUNTY ROAD 99W ORLAND CA 95963  <i>EPA Handler ID:</i> CAL000465359	SW	0.00 / 17.28	-4	<a href="#">24</a>
<a href="#">2</a>	FINDS/FRS	SPECIAL OPERATIONS GROUP INC ORLAND	3689 COUNTY ROAD 99W ORLAND CA 95963  <i>Registry ID:</i> 110071134573	SW	0.00 / 17.28	-4	<a href="#">25</a>
<a href="#">3</a>	FINDS/FRS	UNITED BARK PRODUCTS	3717 CO RD 99W ORLAND CA 95963  <i>Registry ID:</i> 110041530297	NW	0.01 / 45.67	0	<a href="#">26</a>
<a href="#">3</a>	CUPA GLENN	UNITED BARK PRODUCTS, LLC	3717 County Road 99 W Orland CA 95963  <i>CERS ID   Tank Closure:</i> 10629427   NO	NW	0.01 / 45.67	0	<a href="#">27</a>
<a href="#">3</a>	FINDS/FRS	UNITED BARK PRODUCTSNA LLC	3717 COUNTY ROAD 99 W ORLAND CA 95963  <i>Registry ID:</i> 110066776439	NW	0.01 / 45.67	0	<a href="#">27</a>
<a href="#">3</a>	CERS HAZ	United Mulch & Soil	3717 COUNTY ROAD 99 W ORLAND CA 95963	NW	0.01 / 45.67	0	<a href="#">28</a>
<a href="#">3</a>	EMISSIONS	UNITED BARK PRODUCTS	3717 CO RD 99W ORLAND CA	NW	0.01 / 45.67	0	<a href="#">31</a>
<a href="#">3</a>	FINDS/FRS	UNITED BARK PRODUCTS LLC	3717 COUNTY RD 99W ORLAND CA 95963  <i>Registry ID:</i> 110070095230	NW	0.01 / 45.67	0	<a href="#">35</a>
<a href="#">3</a>	EMISSIONS	UNITED BARK PRODUCTS	3717 CO RD 99W ORLAND CA 95963	NW	0.01 / 45.67	0	<a href="#">36</a>
<a href="#">4</a>	HHSS	JIM SMERBER	I 5 & ROAD 27 US 99 ORLAND CA 91719	SSW	0.01 / 52.21	-5	<a href="#">37</a>
<a href="#">4</a>	UST SWEEPS	JIM SMERBER	I 5 & ROAD 27 ORLAND CA  <i>C C   Status:</i> 111-000-24950   INACTIVE <i>Tank ID:</i> 000002, 000001	SSW	0.01 / 52.21	-5	<a href="#">37</a>
<a href="#">5</a>	CUPA GLENN	Old Hickory Sheds LLC.	6471 County Road 27 Orland CA 95963  <i>CERS ID   Tank Closure:</i> 10649260   NO	WSW	0.10 / 509.85	-1	<a href="#">38</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">5</a>	CERS HAZ	Old Hickory Sheds LLC.	6471 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.10 / 509.85	-1	<a href="#">38</a>
<a href="#">6</a>	AST	Greenwood Dairy	6569 CO RD 27 Orland CA 95963	SE	0.10 / 535.23	0	<a href="#">42</a>
<a href="#">6</a>	CUPA GLENN	Greenwood Dairy	6569 County Road 27 Orland CA 95963 <b>CERS ID   Tank Closure:</b> 10463296   NO	SE	0.10 / 535.23	0	<a href="#">42</a>
<a href="#">6</a>	CERS TANK	Mission Livestock (Former Greenwood Dairy)	6569 COUNTY ROAD 27 ORLAND CA 95963 <b>Site ID:</b> 34407	SE	0.10 / 535.23	0	<a href="#">43</a>
<a href="#">6</a>	RCRA NON GEN	GREENWOOD DAIRY	6569 COUNTY ROAD 27 ORLAND CA 95963-9780 <b>EPA Handler ID:</b> CAL000266472	SE	0.10 / 535.23	0	<a href="#">48</a>
<a href="#">7</a>	AST	Aartman Transport Corp.	6480 County Road 27 Orland CA 95963	WSW	0.11 / 579.09	-1	<a href="#">49</a>
<a href="#">7</a>	CUPA GLENN	Steve Wills Trucking and Logging L.L.C.	6480 County Road 27 Orland CA 95963 <b>CERS ID   Tank Closure:</b> 10501096   NO	WSW	0.11 / 579.09	-1	<a href="#">49</a>
<a href="#">7</a>	DELISTED CTNK	Steve Wills Trucking and Logging L.L.C.	6480 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.11 / 579.09	-1	<a href="#">49</a>
<a href="#">7</a>	RCRA NON GEN	STEVE WILLS TRUCKING AND LOGGING LLC	6480 COUNTY ROAD 27 ORLAND CA 95963 <b>EPA Handler ID:</b> CAL000393207	WSW	0.11 / 579.09	-1	<a href="#">50</a>
<a href="#">7</a>	CERS HAZ	Orchard Machinery Corporation	6480 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.11 / 579.09	-1	<a href="#">51</a>
<a href="#">7</a>	RCRA NON GEN	ORCHARD MACHINERY CORPORATION	6480 COUNTY ROAD 27 ORLAND CA 95863 <b>EPA Handler ID:</b> CAL000457845	WSW	0.11 / 579.09	-1	<a href="#">53</a>
<a href="#">7</a>	RCRA NON GEN	RAYGOZA TRUCK SERVICES INC	6480 COUNTY RD 27 ORLAND CA 95963 <b>EPA Handler ID:</b> CAL000462636	WSW	0.11 / 579.09	-1	<a href="#">54</a>
<a href="#">8</a>	AST	INTERSTATE DISTRIBUTOR CO.	6470 COUNTY RD. #27 ORLAND CA 95963	WSW	0.19 / 979.12	0	<a href="#">55</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev Diff (ft)</b>	<b>Page Number</b>
<a href="#">8</a>	DRYCLEANERS	INTERSTATE DISTRIBUTOR CO	6470 COUNTY ROAD 27 ORLAND CA	WSW	0.19 / 979.12	0	<a href="#">55</a>
<a href="#">8</a>	EMISSIONS	OLD HICKORY SHEDS	6470 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.19 / 979.12	0	<a href="#">55</a>
<a href="#">8</a>	AST SWRCB	INTERSTATE DISTRIBUTOR CO.	6470 COUNTY RD. #27 ORLAND CA 95963	WSW	0.19 / 979.12	0	<a href="#">57</a>
<a href="#">9</a>	CUPA GLENN	Krueger Farms	3748 County Road Mm Orland CA 95963 <b>CERS ID   Tank Closure:</b> 10468693   NO	N	0.22 / 1,153.42	5	<a href="#">57</a>
<a href="#">9</a>	RCRA NON GEN	KRUEGER FARMS	3748 COUNTY RD MM ORLAND CA 95963 <b>EPA Handler ID:</b> CAL000443466	N	0.22 / 1,153.42	5	<a href="#">57</a>
<a href="#">9</a>	CERS TANK	Ramos Oil Company- Orland	3748 COUNTY ROAD 99W ORLAND CA 95963 <b>Site ID:</b> 569265	N	0.22 / 1,153.42	5	<a href="#">58</a>
<a href="#">9</a>	RCRA SQG	RAMOS OIL COMPANY- ORLAND	3748 COUNTY ROAD 99W, NORTH OF COUNTY ROAD 99W ORLAND CA 95963 <b>EPA Handler ID:</b> CAR000313304	N	0.22 / 1,153.42	5	<a href="#">62</a>
<a href="#">9</a>	EMISSIONS	RAMOS OIL CO. INC	3748 HIGHWAY 99W ORLAND CA 95963	N	0.22 / 1,153.42	5	<a href="#">63</a>
<a href="#">10</a>	MRDS	UNNAMED LOCATION	GLENN COUNTY ORLAND CA 95963 <b>Dep ID:</b> 10115244	SSE	0.25 / 1,308.43	-5	<a href="#">64</a>
<a href="#">11</a>	MRDS	UNNAMED LOCATION	GLENN COUNTY ORLAND CA 95963 <b>Dep ID:</b> 10115181	WNW	0.29 / 1,527.49	-1	<a href="#">64</a>
<a href="#">12</a>	MRDS	UNNAMED LOCATION	GLENN COUNTY ORLAND CA 95963 <b>Dep ID:</b> 10076563	WNW	0.30 / 1,558.90	-3	<a href="#">65</a>
<a href="#">13</a>	MRDS	PIT	GLENN COUNTY ORLAND CA 95963 <b>Dep ID:</b> 10115018	ESE	0.61 / 3,237.12	-10	<a href="#">65</a>
<a href="#">14</a>	INSP COMP ENF	WTP	3820 HWY 99 ORLAND CA 95963	N	0.80 / 4,235.16	10	<a href="#">66</a>



## Executive Summary: Summary by Data Source

### Standard

### Federal

#### RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Jan 23, 2023 has found that there are 1 RCRA SQG site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
RAMOS OIL COMPANY-ORLAND	3748 COUNTY ROAD 99W, NORTH OF COUNTY ROAD 99W ORLAND CA 95963 <i>EPA Handler ID: CAR000313304</i>	N	0.22 / 1,153.42	<a href="#">9</a>

#### RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Jan 23, 2023 has found that there are 6 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
KRUEGER FARMS	3748 COUNTY RD MM ORLAND CA 95963 <i>EPA Handler ID: CAL000443466</i>	N	0.22 / 1,153.42	<a href="#">9</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SPECIAL OPERATIONS GROUP INC ORLAND	3689 COUNTY ROAD 99W ORLAND CA 95963 <i>EPA Handler ID: CAL000465359</i>	SW	0.00 / 17.28	<a href="#">2</a>
GREENWOOD DAIRY	6569 COUNTY ROAD 27 ORLAND CA 95963-9780 <i>EPA Handler ID: CAL000266472</i>	SE	0.10 / 535.23	<a href="#">6</a>
RAYGOZA TRUCK SERVICES INC	6480 COUNTY RD 27 ORLAND CA 95963 <i>EPA Handler ID: CAL000462636</i>	WSW	0.11 / 579.09	<a href="#">7</a>
STEVE WILLS TRUCKING AND LOGGING LLC	6480 COUNTY ROAD 27 ORLAND CA 95963 <i>EPA Handler ID: CAL000393207</i>	WSW	0.11 / 579.09	<a href="#">7</a>
ORCHARD MACHINERY CORPORATION	6480 COUNTY ROAD 27 ORLAND CA 95863 <i>EPA Handler ID: CAL000457845</i>	WSW	0.11 / 579.09	<a href="#">7</a>

### State

## **HHSS - Historical Hazardous Substance Storage Information Database**

A search of the HHSS database, dated Aug 27, 2015 has found that there are 1 HHSS site(s) within approximately 0.25 miles of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
JIM SMERBER	I 5 & ROAD 27 US 99 ORLAND CA 91719	SSW	0.01 / 52.21	<a href="#">4</a>

## **UST SWEEPS - Statewide Environmental Evaluation and Planning System**

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 1 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
JIM SMERBER	I 5 & ROAD 27 ORLAND CA	SSW	0.01 / 52.21	<a href="#">4</a>
<i>C C   Status: 111-000-24950   INACTIVE Tank ID: 000002, 000001</i>				

## **AST - Aboveground Storage Tanks**

A search of the AST database, dated Aug 31, 2009 has found that there are 3 AST site(s) within approximately 0.25 miles of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
Greenwood Dairy	6569 CO RD 27 Orland CA 95963	SE	0.10 / 535.23	<a href="#">6</a>
Aartman Transport Corp.	6480 County Road 27 Orland CA 95963	WSW	0.11 / 579.09	<a href="#">7</a>
INTERSTATE DISTRIBUTOR CO.	6470 COUNTY RD. #27 ORLAND CA 95963	WSW	0.19 / 979.12	<a href="#">8</a>

## **AST SWRCB - SWRCB Historical Aboveground Storage Tanks**

A search of the AST SWRCB database, dated Dec 1, 2007 has found that there are 1 AST SWRCB site(s) within approximately 0.25 miles of the project property.

<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
INTERSTATE DISTRIBUTOR CO.	6470 COUNTY RD. #27 ORLAND CA 95963	WSW	0.19 / 979.12	<a href="#">8</a>

## **CERS TANK - California Environmental Reporting System (CERS) Tanks**

A search of the CERS TANK database, dated Jan 10, 2023 has found that there are 2 CERS TANK site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Ramos Oil Company-Orland	3748 COUNTY ROAD 99W ORLAND CA 95963	N	0.22 / 1,153.42	<a href="#">9</a>
	<i>Site ID: 569265</i>			

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Mission Livestock (Former Greenwood Dairy)	6569 COUNTY ROAD 27 ORLAND CA 95963	SE	0.10 / 535.23	<a href="#">6</a>
	<i>Site ID: 34407</i>			

### **DELISTED CTNK - Delisted California Environmental Reporting System (CERS) Tanks**

A search of the DELISTED CTNK database, dated Jan 10, 2023 has found that there are 1 DELISTED CTNK site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Steve Wills Trucking and Logging L.L.C.	6480 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.11 / 579.09	<a href="#">7</a>

### **County**

#### **CUPA GLENN - Glenn County - CUPA List**

A search of the CUPA GLENN database, dated Jan 16, 2018 has found that there are 5 CUPA GLENN site(s) within approximately 0.25 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNITED BARK PRODUCTS, LLC	3717 County Road 99 W Orland CA 95963	NW	0.01 / 45.67	<a href="#">3</a>
	<i>CERS ID   Tank Closure: 10629427   NO</i>			
Krueger Farms	3748 County Road Mm Orland CA 95963	N	0.22 / 1,153.42	<a href="#">9</a>
	<i>CERS ID   Tank Closure: 10468693   NO</i>			
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Old Hickory Sheds LLC.	6471 County Road 27 Orland CA 95963	WSW	0.10 / 509.85	<a href="#">5</a>
	<i>CERS ID   Tank Closure: 10649260   NO</i>			
Greenwood Dairy	6569 County Road 27 Orland CA 95963	SE	0.10 / 535.23	<a href="#">6</a>
	<i>CERS ID   Tank Closure: 10463296   NO</i>			
Steve Wills Trucking and Logging L.L.C.	6480 County Road 27 Orland CA 95963	WSW	0.11 / 579.09	<a href="#">7</a>
	<i>CERS ID   Tank Closure: 10501096   NO</i>			

## Non Standard

### Federal

#### FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Aug 18, 2022 has found that there are 4 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNITED BARK PRODUCTS LLC	3717 COUNTY RD 99W ORLAND CA 95963  <i>Registry ID: 110070095230</i>	NW	0.01 / 45.67	<a href="#"><u>3</u></a>
UNITED BARK PRODUCTS	3717 CO RD 99W ORLAND CA 95963  <i>Registry ID: 110041530297</i>	NW	0.01 / 45.67	<a href="#"><u>3</u></a>
UNITED BARK PRODUCTS SNA LLC	3717 COUNTY ROAD 99 W ORLAND CA 95963  <i>Registry ID: 110066776439</i>	NW	0.01 / 45.67	<a href="#"><u>3</u></a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
SPECIAL OPERATIONS GROUP INC ORLAND	3689 COUNTY ROAD 99W ORLAND CA 95963  <i>Registry ID: 110071134573</i>	SW	0.00 / 17.28	<a href="#"><u>2</u></a>

#### MRDS - Mineral Resource Data System

A search of the MRDS database, dated Mar 15, 2016 has found that there are 4 MRDS site(s) within approximately 1.00 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
UNNAMED LOCATION	GLENN COUNTY ORLAND CA 95963  <i>Dep ID: 10115244</i>	SSE	0.25 / 1,308.43	<a href="#"><u>10</u></a>
UNNAMED LOCATION	GLENN COUNTY ORLAND CA 95963  <i>Dep ID: 10115181</i>	WNW	0.29 / 1,527.49	<a href="#"><u>11</u></a>
UNNAMED LOCATION	GLENN COUNTY ORLAND CA 95963  <i>Dep ID: 10076563</i>	WNW	0.30 / 1,558.90	<a href="#"><u>12</u></a>
PIT	GLENN COUNTY ORLAND CA 95963  <i>Dep ID: 10115018</i>	ESE	0.61 / 3,237.12	<a href="#"><u>13</u></a>

### State

#### DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Dec 20, 2021 has found that there are 1 DRYCLEANERS site(s) within approximately 0.25 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
INTERSTATE DISTRIBUTOR CO	6470 COUNTY ROAD 27 ORLAND CA	WSW	0.19 / 979.12	<a href="#">8</a>

### **INSP COMP ENF - EnviroStor Inspection, Compliance, and Enforcement**

A search of the INSP COMP ENF database, dated Oct 24, 2022 has found that there are 1 INSP COMP ENF site(s) within approximately 1.00 miles of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
WTP	3820 HWY 99 ORLAND CA 95963	N	0.80 / 4,235.16	<a href="#">14</a>

### **HAZNET - Handlers from Hazardous Waste Manifest Data**

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 2 HAZNET site(s) within approximately 0.02 miles of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
INTERNATIONAL PSO INC	3700 COUNTY ROAD 99W ORLAND CA 959639785	WSW	0.00 / 0.00	<a href="#">1</a>
BRADY SHIN	3700 COUNTY ROAD 99W ORLAND CA 95963	WSW	0.00 / 0.00	<a href="#">1</a>

### **CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites**

A search of the CERS HAZ database, dated Feb 8, 2023 has found that there are 3 CERS HAZ site(s) within approximately 0.12 miles of the project property.

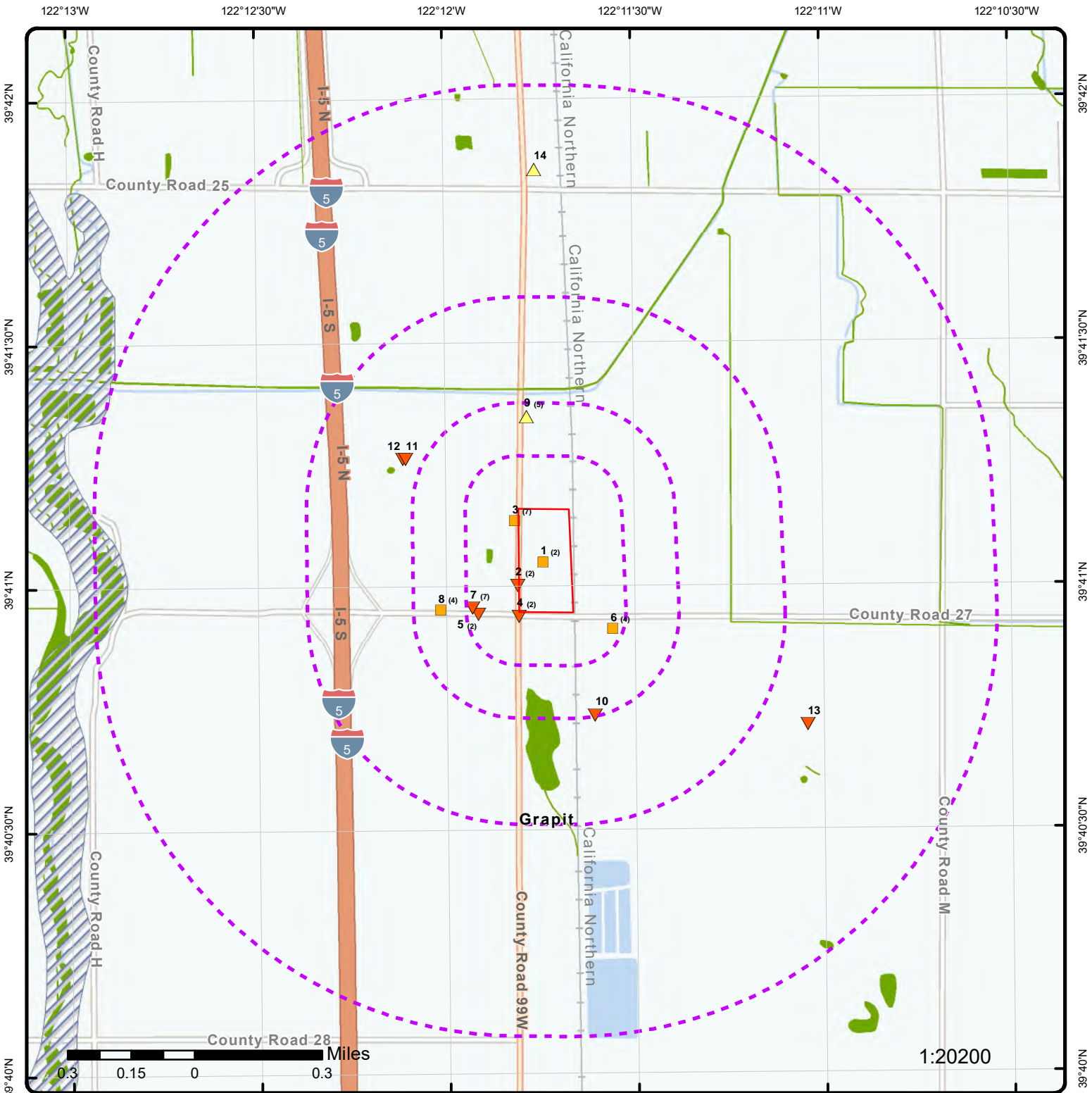
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
United Mulch & Soil	3717 COUNTY ROAD 99 W ORLAND CA 95963	NW	0.01 / 45.67	<a href="#">3</a>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (mi/ft)</u>	<u>Map Key</u>
Old Hickory Sheds LLC.	6471 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.10 / 509.85	<a href="#">5</a>
Orchard Machinery Corporation	6480 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.11 / 579.09	<a href="#">7</a>

## **EMISSIONS - Toxic Pollutant Emissions Facilities**

A search of the EMISSIONS database, dated Dec 31, 2020 has found that there are 4 EMISSIONS site(s) within approximately 0.25 miles of the project property.

<b><u>Equal/Higher Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
UNITED BARK PRODUCTS	3717 CO RD 99W ORLAND CA	NW	0.01 / 45.67	<a href="#"><u>3</u></a>
UNITED BARK PRODUCTS	3717 CO RD 99W ORLAND CA 95963	NW	0.01 / 45.67	<a href="#"><u>3</u></a>
RAMOS OIL CO. INC	3748 HIGHWAY 99W ORLAND CA 95963	N	0.22 / 1,153.42	<a href="#"><u>9</u></a>
<b><u>Lower Elevation</u></b>	<b><u>Address</u></b>	<b><u>Direction</u></b>	<b><u>Distance (mi/ft)</u></b>	<b><u>Map Key</u></b>
OLD HICKORY SHEDS	6470 COUNTY ROAD 27 ORLAND CA 95963	WSW	0.19 / 979.12	<a href="#"><u>8</u></a>

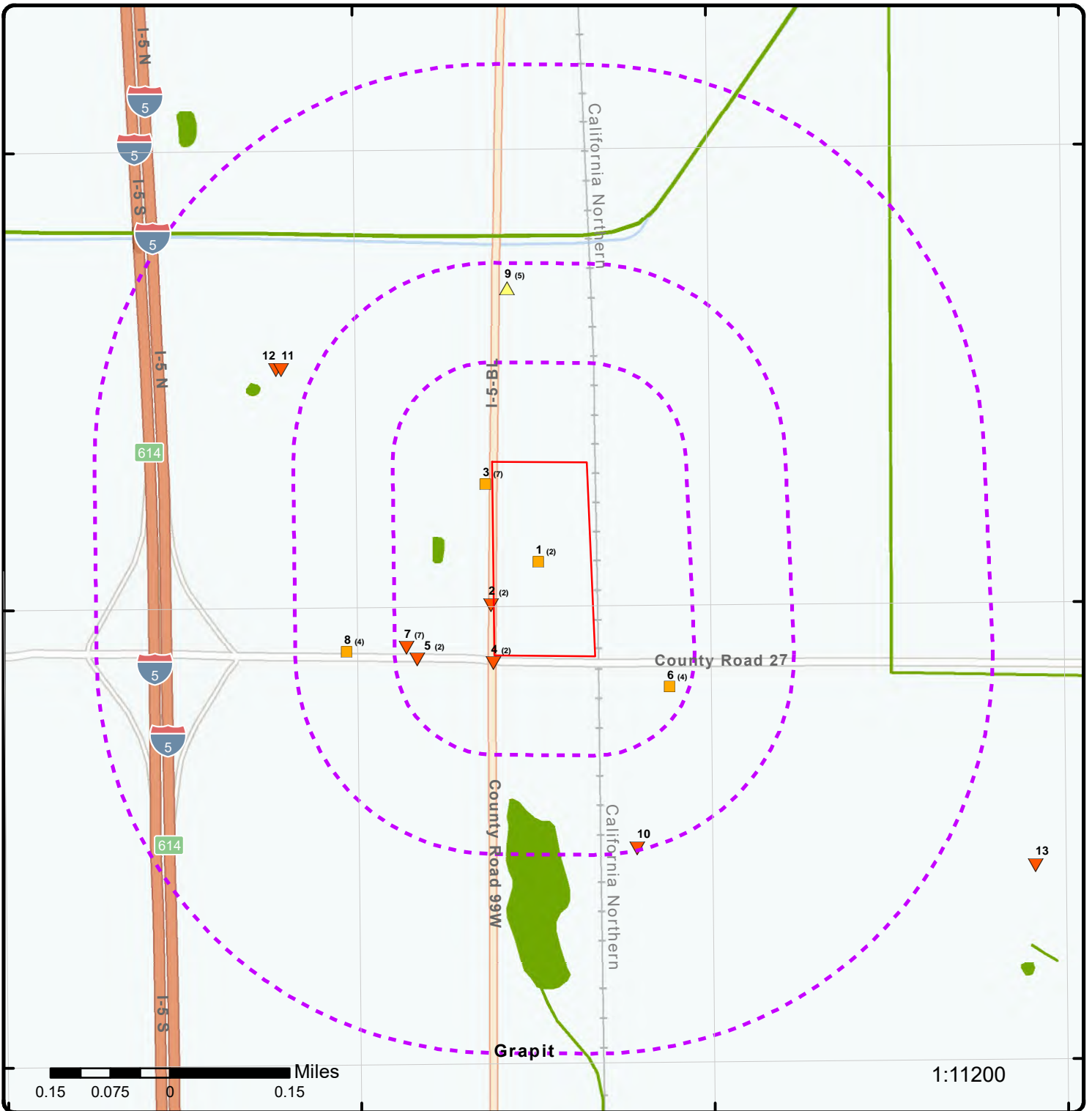


**Map: 1.0 Mile Radius**

Order Number: 23032100610  
 Address: 3700 County Road 99W, Orland, CA



- |                    |                      |                             |                           |                            |                              |                             |                           |                            |                              |       |                     |                     |                               |  |
|--------------------|----------------------|-----------------------------|---------------------------|----------------------------|------------------------------|-----------------------------|---------------------------|----------------------------|------------------------------|-------|---------------------|---------------------|-------------------------------|--|
| Project Property   | Buffer Outline       | Sites with Higher Elevation | Sites with Same Elevation | Sites with Lower Elevation | Sites with Unknown Elevation | Areas with Higher Elevation | Areas with Same Elevation | Areas with Lower Elevation | Areas with Unknown Elevation |       |                     |                     |                               |  |
| Freeways; Highways | Traffic Circle; Ramp | Major & Minor Arterial      | Traffic Circle; Ramp      | Local Road                 | Rail                         | State                       | Country                   | National Wetland           | Indian Reserve Land          | Plume | 100 Year Flood Zone | 500 Year Flood Zone | FWS Special Designation Areas | National Priorities List (Active, Delisted, Proposed, Institutional Control) |



### Map: 0.5 Mile Radius

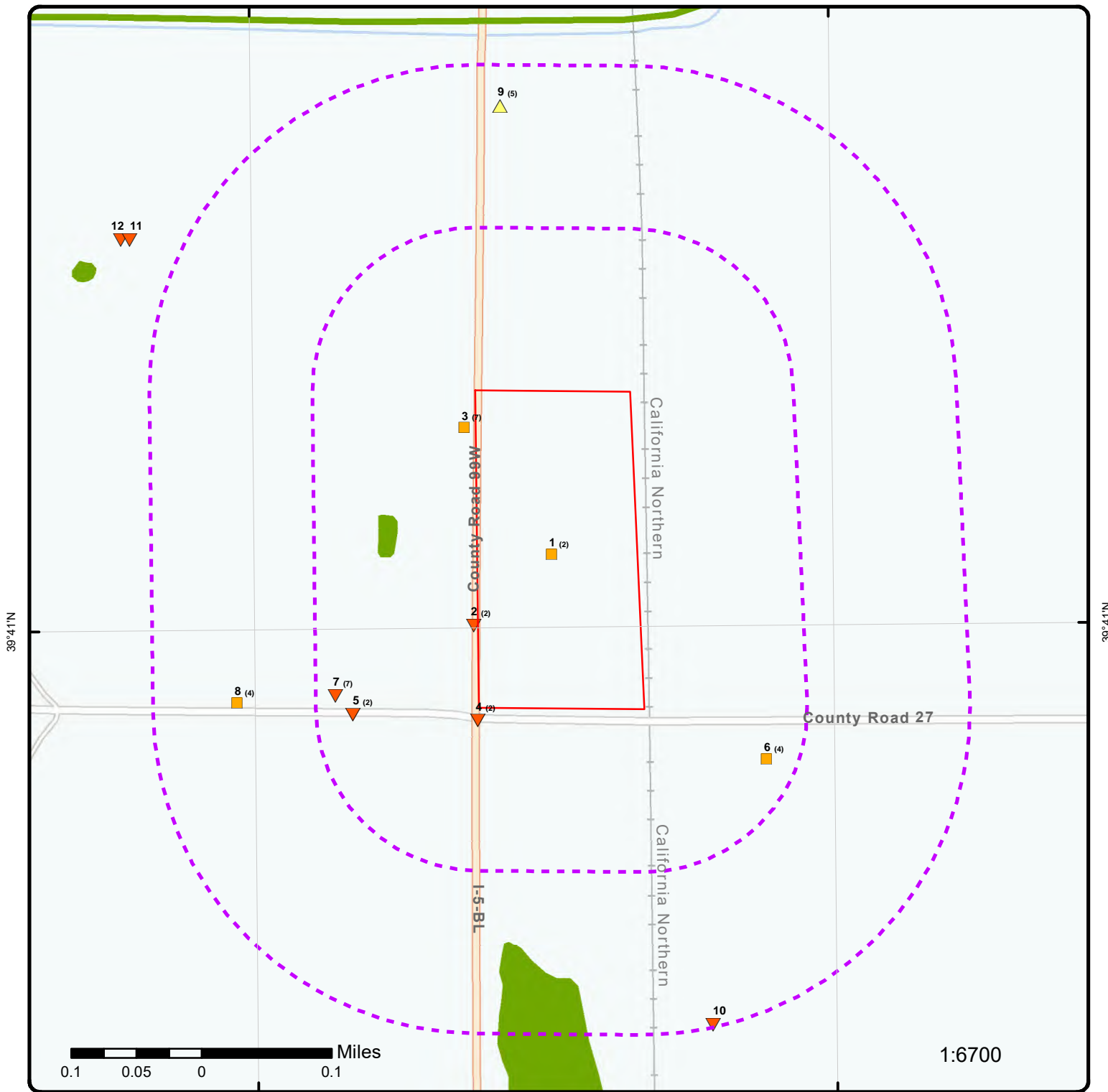
Order Number: 23032100610

Address: 3700 County Road 99W, Orland, CA



- |                              |                      |                        |                     |  |
|------------------------------|----------------------|------------------------|---------------------|--|
| Project Property             | Buffer Outline       | Freeways; Highways     | State               | FWS Special Designation Areas  |
| Sites with Higher Elevation  | Traffic Circle; Ramp | Major & Minor Arterial | Country             | National Priorities List (Active, Delisted, Proposed, Institutional Control) |
| Sites with Same Elevation    | Traffic Circle; Ramp | Traffic Circle; Ramp   | National Wetland    | Indian Reserve Land  |
| Sites with Lower Elevation   | Local Road           | Rail                   | Plume               | 100 Year Flood Zone  |
| Sites with Unknown Elevation |                      |                        | 500 Year Flood Zone |  |
| Areas with Higher Elevation  |                      |                        |                     |  |
| Areas with Same Elevation    |                      |                        |                     |  |
| Areas with Lower Elevation   |                      |                        |                     |  |
| Areas with Unknown Elevation |                      |                        |                     |  |





### Map: 0.25 Mile Radius

Order Number: 23032100610

Address: 3700 County Road 99W, Orland, CA



- |                              |                        |                     |  |                               |
|------------------------------|------------------------|---------------------|--|-------------------------------|
| Project Property             | Buffer Outline         | Freeways; Highways  | State  | FWS Special Designation Areas |
| Sites with Higher Elevation  | Traffic Circle; Ramp   | Country             | National Priorities List (Active, Delisted, Proposed, Institutional Control) |                               |
| Sites with Same Elevation    | Major & Minor Arterial | National Wetland    | Indian Reserve Land  |                               |
| Sites with Lower Elevation   | Traffic Circle; Ramp   | Plume               | 100 Year Flood Zone  |                               |
| Sites with Unknown Elevation | Local Road             | 500 Year Flood Zone |  |                               |
| Areas with Higher Elevation  | Rail                   |                     |  |                               |
| Areas with Same Elevation    |                        |                     |  |                               |
| Areas with Lower Elevation   |                        |                     |  |                               |
| Areas with Unknown Elevation |                        |                     |  |                               |

122°12'W

122°11'30"W

39°41'30"N

39°41'30"N

39°41'N

39°41'N

39°40'30"N

39°40'30"N



**Aerial** Year: 2022

Address: 3700 County Road 99W, Orland, CA

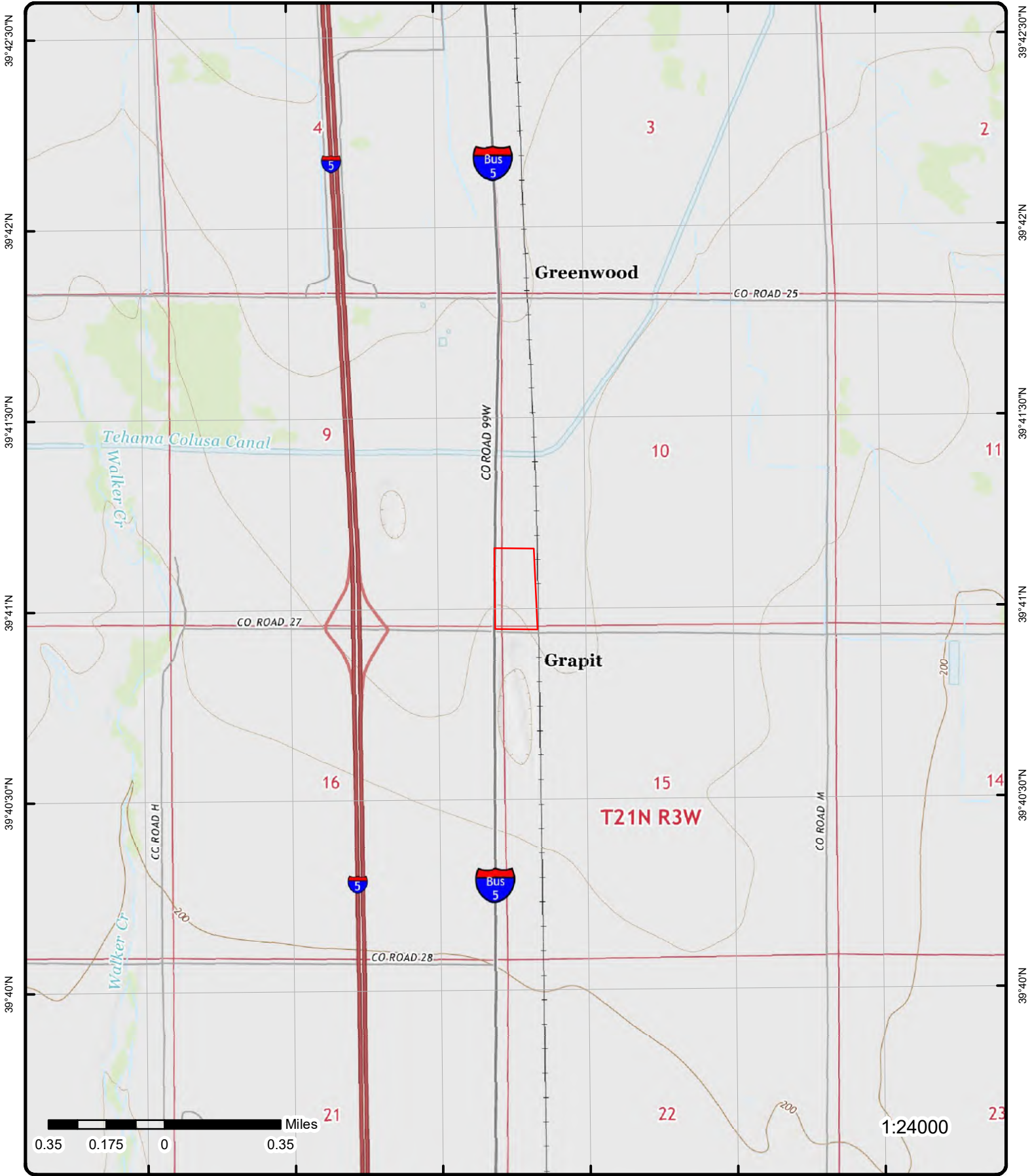
Source: ESRI World Imagery

Order Number: 23032100610



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122°13'W 122°12'30"W 122°12'W 122°11'30"W 122°11'W 122°10'30"W



# Topographic Map Year: 2015

Address: 3700 County Road 99W, CA

Quadrangle(s): Orland, CA

Source: USGS Topographic Map

Order Number: 23032100610



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# Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<a href="#">1</a>	1 of 2	WSW	0.00 / 0.00	222.51 / 0	<b>BRADY SHIN</b> 3700 COUNTY ROAD 99W ORLAND CA 95963	<b>HAZNET</b>
<b>SIC Code:</b> <b>NAICS Code:</b> <b>EPA ID:</b> CAC002600944 <b>Create Date:</b> 3/2/2006 <b>Fac Act Ind:</b> No <b>Inact Date:</b> 8/30/2006 <b>County Code:</b> 11 <b>County Name:</b> Glenn <b>Mail Name:</b> <b>Mailing Addr 1:</b> 3700 COUNTY ROAD 99W <b>Mailing Addr 2:</b> <b>Owner Fax:</b>		<b>Mailing City:</b> ORLAND <b>Mailing State:</b> CA <b>Mailing Zip:</b> 95963 <b>Region Code:</b> 1 <b>Owner Name:</b> BRADY SHIN <b>Owner Addr 1:</b> 3700 COUNTY ROAD 99W <b>Owner Addr 2:</b> <b>Owner City:</b> ORLAND <b>Owner State:</b> CA <b>Owner Zip:</b> 95963 <b>Owner Phone:</b> 9168718567		<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a> <b>DTSC Handler Profile url:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002600944">https://hwts.dtsc.ca.gov/facility/CAC002600944</a>		
<a href="#">1</a>	2 of 2	WSW	0.00 / 0.00	222.51 / 0	<b>INTERNATIONAL PSO INC</b> 3700 COUNTY ROAD 99W ORLAND CA 959639785	<b>HAZNET</b>
<b>SIC Code:</b> <b>NAICS Code:</b> <b>EPA ID:</b> CAC002583861 <b>Create Date:</b> 11/8/2004 <b>Fac Act Ind:</b> No <b>Inact Date:</b> 6/21/2005 <b>County Code:</b> 11 <b>County Name:</b> Glenn <b>Mail Name:</b> <b>Mailing Addr 1:</b> 7877 LICHEN DR STE 140 <b>Mailing Addr 2:</b> <b>Owner Fax:</b>		<b>Mailing City:</b> CITRUS HEIGHTS <b>Mailing State:</b> CA <b>Mailing Zip:</b> 95621 <b>Region Code:</b> 1 <b>Owner Name:</b> INT'L PSO INC <b>Owner Addr 1:</b> 7877 LICHEN DR STE 140 <b>Owner Addr 2:</b> <b>Owner City:</b> CITRUS HEIGHTS <b>Owner State:</b> CA <b>Owner Zip:</b> 95621 <b>Owner Phone:</b> 00000000		<b>Details DTSC HWTS:</b> The Department of Toxic Substances Control (DTSC) makes available a Waste Code Matrix showing each Waste Code, its description, and annual amounts in its Hazardous Waste Tracking System: <a href="https://hwts.dtsc.ca.gov/search">https://hwts.dtsc.ca.gov/search</a> <b>DTSC Handler Profile url:</b> <a href="https://hwts.dtsc.ca.gov/facility/CAC002583861">https://hwts.dtsc.ca.gov/facility/CAC002583861</a>		
<a href="#">2</a>	1 of 2	SW	0.00 / 17.28	218.81 / -4	<b>SPECIAL OPERATIONS GROUP INC ORLAND</b> 3689 COUNTY ROAD 99W ORLAND CA 95963	<b>RCRA NON GEN</b>
<b>EPA Handler ID:</b> CAL000465359 <b>Gen Status Universe:</b> No Report <b>Contact Name:</b> GREG ERLERBAUGH <b>Contact Address:</b> 1244 RIVERVIEW DR , , CODY , WY, 82414 , <b>Contact Phone No and Ext:</b> 307-527-5000 <b>Contact Email:</b> GREG@FIREOPS.COM <b>Contact Country:</b> <b>County Name:</b> GLENN <b>EPA Region:</b> 09						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Land Type:**  
**Receive Date:** 20210909  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210909  
**Handler Name:** SPECIAL OPERATIONS GROUP INC ORLAND  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1244 RIVERVIEW DR
<b>Name:</b> GREG ERLNBAUGH	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> CODY
<b>Date Ended Current:</b>	<b>State:</b> WY
<b>Phone:</b> 307-527-5000	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 82414

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 1244 RIVERVIEW DR
<b>Name:</b> SPECIAL OPERATIONS GROUP INC	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> CODY
<b>Date Ended Current:</b>	<b>State:</b> WY
<b>Phone:</b> 307-527-5000	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 82414

<a href="#">2</a>	2 of 2	SW	0.00 / 17.28	218.81 / -4	SPECIAL OPERATIONS GROUP INC ORLAND 3689 COUNTY ROAD 99W ORLAND CA 95963	FINDS/FRS
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**Registry ID:** 110071134573  
**FIPS Code:** 06021  
**HUC Code:**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Site Type Name:</b> <b>Location Description:</b> <b>Supplemental Location:</b> <b>Create Date:</b> <b>Update Date:</b> <b>Interest Types:</b> <b>SIC Codes:</b> <b>SIC Code Descriptions:</b> <b>NAICS Codes:</b> <b>NAICS Code Descriptions:</b> <b>Conveyor:</b> <b>Federal Facility Code:</b> <b>Federal Agency Name:</b> <b>Tribal Land Code:</b> <b>Tribal Land Name:</b> <b>Congressional Dist No:</b> <b>Census Block Code:</b> <b>EPA Region Code:</b> <b>County Name:</b> <b>US/Mexico Border Ind:</b> <b>Latitude:</b> <b>Longitude:</b> <b>Reference Point:</b> <b>Coord Collection Method:</b> <b>Accuracy Value:</b> <b>Datum:</b> <b>Source:</b> <b>Facility Detail Rprt URL:</b> <b>Data Source:</b> <b>Program Acronyms:</b>		STATIONARY  28-OCT-21  UNSPECIFIED UNIVERSE  335312 MOTOR AND GENERATOR MANUFACTURING.  09 GLENN  NAD83  https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110071134573 Facility Registry Service - Single File				
RCRAINFO:CAL000465359						

3      1 of 7      **NW**      0.01 / 45.67      222.96 / 0      **UNITED BARK PRODUCTS**  
**3717 CO RD 99W**  
**ORLAND CA 95963**      **FINDS/FRS**

<b>Registry ID:</b> <b>FIPS Code:</b> <b>HUC Code:</b> <b>Site Type Name:</b> <b>Location Description:</b> <b>Supplemental Location:</b> <b>Create Date:</b> <b>Update Date:</b> <b>Interest Types:</b> <b>SIC Codes:</b> <b>SIC Code Descriptions:</b> <b>NAICS Codes:</b> <b>NAICS Code Descriptions:</b> <b>Conveyor:</b> <b>Federal Facility Code:</b> <b>Federal Agency Name:</b> <b>Tribal Land Code:</b> <b>Tribal Land Name:</b> <b>Congressional Dist No:</b> <b>Census Block Code:</b> <b>EPA Region Code:</b> <b>County Name:</b> <b>US/Mexico Border Ind:</b> <b>Latitude:</b> <b>Longitude:</b> <b>Reference Point:</b> <b>Coord Collection Method:</b> <b>Accuracy Value:</b> <b>Datum:</b>	110041530297 06021 18020104 STATIONARY  07-JUL-10 01-JUN-17 AIR EMISSIONS CLASSIFICATION UNKNOWN  337125 HOUSEHOLD FURNITURE (EXCEPT WOOD AND METAL) MANUFACTURING. EIS  02 060210102004049 09 GLENN  39.685771 -122.196832  NAD83
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Source:  
 Facility Detail Rprt URL: [https://ofmpub.epa.gov/frs\\_public2/fii\\_query\\_detail.disp\\_program\\_facility?p\\_registry\\_id=110041530297](https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110041530297)  
 Data Source: Facility Registry Service - Single File  
 Program Acronyms:

EIS:13540611

<a href="#">3</a>	2 of 7	NW	0.01 / 45.67	222.96 / 0	UNITED BARK PRODUCTS, LLC 3717 County Road 99 W Orland CA 95963	CUPA GLENN
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CERS ID:	10629427	Generator:	YES
Facility ID:		Large Quantity Gen:	NO
County ID:	Glenn	Recycle:	NO
Beginning Date:		Collection:	NO
Ending Date:		Finan Assurance:	NO
On Site:	YES	Consolidation Site:	NO
Regul Subst:	NO	Suppl Loc:	
Owner Operate UST:	NO	Zip Code:	95963
Owner Operate PST:	NO	Phone:	707-585-6056
Tank Closure:	NO	Fax:	707-586-3311
On Site Trmt:	NO		

<a href="#">3</a>	3 of 7	NW	0.01 / 45.67	222.96 / 0	UNITED BARK PRODUCTSNA LLC 3717 COUNTY ROAD 99 W ORLAND CA 95963	FINDS/FRS
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Registry ID:	110066776439
FIPS Code:	
HUC Code:	18020104
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	2499
SIC Code Descriptions:	WOOD PRODUCTS, NOT ELSEWHERE CLASSIFIED
NAICS Codes:	423990
NAICS Code Descriptions:	OTHER MISCELLANEOUS DURABLE GOODS MERCHANT WHOLESALERS.
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	02
Census Block Code:	060210102004049
EPA Region Code:	09
County Name:	GLENN
US/Mexico Border Ind:	
Latitude:	39.68549
Longitude:	-122.196799
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	<a href="https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066776439">https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066776439</a>
Data Source:	Facility Registry Service - Single File
Program Acronyms:	

CA-ENVIROVIEW:275759

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<u>3</u>	4 of 7	NW	0.01 / 45.67	222.96 / 0	United Mulch & Soil 3717 COUNTY ROAD 99 W ORLAND CA 95963	CERS HAZ

**Site ID:** 275759  
**Latitude:** 39.685570  
**Longitude:** -122.196850  
**County:**

**Regulated Programs**

**EI ID:** 10629427      **EI Description:** Chemical Storage Facilities  
**EI ID:** 10629427      **EI Description:** Hazardous Waste Generator

**Violations**

**Violation Date:** 09/19/2018      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508.1(a)-(f) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(f)  
**Violation Notes:**

Returned to compliance on 10/19/2018. Observed (1) 55-gallon drum of used oil, (1) 55-gallon drum of used hydraulic fluid, and (1) 55-gallon drum of used oil filters previously unreported on the inventory Add the above listed material to the hazardous materials inventory in CERS

**Violation Description:**

Failure to electronically update business plan within 30 days of any one of the following events:  
 A 100 percent or more increase in the quantity of a previously disclosed material.  
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.  
 A change of business address, business ownership, or business name.  
 A substantial change in the handler's operations that requires modification to any portion of the business plan.

**Violations**

**Violation Date:** 06/28/2022      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
**Violation Notes:**

Returned to compliance on 08/02/2022. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. Establish an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.

**Violation Description:**

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

**Violations**

**Violation Date:** 06/28/2022      **Violation Source:** CERS  
**Violation Program:** HW      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12  
**Violation Notes:**

Returned to compliance on 06/30/2022. The generator has not obtained an Identification Number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without obtaining an Identification Number. Submit documentation to the CUPA demonstrating that you have obtained an Identification Number.

**Violation Description:**



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

**Violations**

**Violation Date:** 06/05/2015  
**Violation Program:** HW  
**Citation:** 22 CCR 16 66266.130 - California Code of Regulations, Title 22, Chapter 16, Section(s) 66266.130  
**Violation Source:** CERS  
**Violation Division:** Glenn County Air Pollution Control District  
**Violation Notes:**

Returned to compliance on 06/05/2015. Added accumulation start date to container of used oil filters.

**Violation Description:**

Failure to properly handle, manage, label, and recycle used oil and fuel filters.

**Violations**

**Violation Date:** 06/05/2015  
**Violation Program:** HMRRP  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Source:** CERS  
**Violation Division:** Glenn County Air Pollution Control District  
**Violation Notes:**

Returned to compliance on 06/23/2015.

**Violation Description:**

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

**Evaluations**

**Eval Date:** 09/19/2018  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 06/28/2022  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HW  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 06/28/2022  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 06/05/2015  
**Violations Found:** Yes

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Conducted site inspection and file review with Tom Nelson. Hard copy of inspection report on file with District. Inspector: Kathryn McDaniel; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Eval Date:** 09/19/2018  
**Violations Found:** No  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HW  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 06/05/2015  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HW  
**Eval Source:** CERS  
**Eval Notes:**

Conducted site inspection and file review with Tom Nelson. Hard copy of inspection report on file with District. Inspector: Kathryn McDaniel; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Affiliations**

**Affil Type Desc:** CUPA District  
**Entity Name:** Glenn County Air Pollution Control District  
**Entity Title:**  
**Address:** 720 North Colusa Street  
**City:** Willows  
**State:** CA  
**Country:**  
**Zip Code:** 95988  
**Phone:** (530) 934-6500

**Affil Type Desc:** Document Preparer  
**Entity Name:** Dannah Leeman  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:**

**Affil Type Desc:** Identification Signer  
**Entity Name:** Dannah Leeman  
**Entity Title:** Sr. Env. Manager - Facilities  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:**

**Affil Type Desc:** Operator  
**Entity Name:** UNITED MULCH & SOIL

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b> (916) 996-1241						
<b>Affil Type Desc:</b> Facility Mailing Address						
<b>Entity Name:</b> Mailing Address						
<b>Entity Title:</b>						
<b>Address:</b> 3717 County Road 99 W						
<b>City:</b> Orland						
<b>State:</b> CA						
<b>Country:</b>						
<b>Zip Code:</b> 95963						
<b>Phone:</b>						
<b>Affil Type Desc:</b> Environmental Contact						
<b>Entity Name:</b> Dannah Leeman						
<b>Entity Title:</b>						
<b>Address:</b> 3308 Bernice Ave						
<b>City:</b> Russellville						
<b>State:</b> AR						
<b>Country:</b>						
<b>Zip Code:</b> 72802						
<b>Phone:</b>						
<b>Affil Type Desc:</b> Legal Owner						
<b>Entity Name:</b> Byron Morgan						
<b>Entity Title:</b>						
<b>Address:</b> 4214 S Yellowstone Hwy 191						
<b>City:</b> Rexburg						
<b>State:</b> ID						
<b>Country:</b> United States						
<b>Zip Code:</b> 83440						
<b>Phone:</b> (208) 360-2940						
<b>Affil Type Desc:</b> Parent Corporation						
<b>Entity Name:</b> UNITED MULCH & SOIL						
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						

<a href="#">3</a>	5 of 7	NW	0.01 / 45.67	222.96 / 0	UNITED BARK PRODUCTS 3717 CO RD 99W ORLAND CA	EMISSIONS
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**2006 Criteria Data**

<b>Facility ID:</b>	206	<b>CERR Code:</b>	
<b>Facility SIC Code:</b>	2499	<b>TOGT:</b>	
<b>CO:</b>	11	<b>ROGT:</b>	
<b>Air Basin:</b>	SV	<b>COT:</b>	
<b>District:</b>	GLE	<b>NOXT:</b>	
<b>COID:</b>	GLE	<b>SOXT:</b>	
<b>DISN:</b>	GLENN COUNTY APCD	<b>PMT:</b>	30.625
<b>CHAPIS:</b>	Y	<b>PM10T:</b>	12.25

**2006 Toxic Data**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Facility ID:	206				COID:	GLE
Facility SIC Code:	2499				DISN:	GLENN COUNTY APCD
CO:	11				CHAPIS:	Y
Air Basin:	SV				CERR Code:	
District:	GLE					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2007 Criteria Data**

Facility ID:	206				CERR Code:	
Facility SIC Code:	2499				TOGT:	
CO:	11				ROGT:	
Air Basin:	SV				COT:	
District:	GLE				NOXT:	
COID:	GLE				SOXT:	
DISN:	GLENN COUNTY APCD				PMT:	30.625
CHAPIS:					PM10T:	12.25

**2007 Toxic Data**

Facility ID:	206				COID:	GLE
Facility SIC Code:	2499				DISN:	GLENN COUNTY APCD
CO:	11				CHAPIS:	
Air Basin:	SV				CERR Code:	
District:	GLE					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2008 Criteria Data**

Facility ID:	206				CERR Code:	
Facility SIC Code:	2499				TOGT:	
CO:	11				ROGT:	
Air Basin:	SV				COT:	
District:	GLE				NOXT:	
COID:	GLE				SOXT:	
DISN:	GLENN COUNTY APCD				PMT:	35.80375
CHAPIS:					PM10T:	14.3215

**2008 Toxic Data**

Facility ID:	206				COID:	GLE
Facility SIC Code:	2499				DISN:	GLENN COUNTY APCD
CO:	11				CHAPIS:	
Air Basin:	SV				CERR Code:	
District:	GLE					
TS:						
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2009 Criteria Data**

Facility ID:	206				CERR Code:	
Facility SIC Code:	2499				TOGT:	
CO:	11				ROGT:	
Air Basin:	SV				COT:	
District:	GLE				NOXT:	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>COID:</b>	GLE			<b>SOXT:</b>		
<b>DISN:</b>	GLENN COUNTY APCD			<b>PMT:</b>	36.01	
<b>CHAPIS:</b>				<b>PM10T:</b>	14.404	
<b><u>2009 Toxic Data</u></b>						
<b>Facility ID:</b>	206			<b>COID:</b>	GLE	
<b>Facility SIC Code:</b>	2499			<b>DISN:</b>	GLENN COUNTY APCD	
<b>CO:</b>	11			<b>CHAPIS:</b>		
<b>Air Basin:</b>	SV			<b>CERR Code:</b>		
<b>District:</b>	GLE					
<b>TS:</b>		0				
<b>Health Risk Asmt:</b>						
<b>Non-Cancer Chronic Haz Ind:</b>						
<b>Non-Cancer Acute Haz Ind:</b>						
<b><u>2010 Toxic Data</u></b>						
<b>Facility ID:</b>	206			<b>COID:</b>	GLE	
<b>Facility SIC Code:</b>	2499			<b>DISN:</b>	GLENN COUNTY APCD	
<b>CO:</b>	11			<b>CHAPIS:</b>		
<b>Air Basin:</b>	SV			<b>CERR Code:</b>		
<b>District:</b>	GLE					
<b>TS:</b>		0				
<b>Health Risk Asmt:</b>						
<b>Non-Cancer Chronic Haz Ind:</b>						
<b>Non-Cancer Acute Haz Ind:</b>						
<b><u>2011 Criteria Data</u></b>						
<b>Facility ID:</b>	206			<b>CERR Code:</b>		
<b>Facility SIC Code:</b>	2499			<b>TOGT:</b>		
<b>CO:</b>	11			<b>ROGT:</b>		
<b>Air Basin:</b>	SV			<b>COT:</b>		
<b>District:</b>	GLE			<b>NOXT:</b>		
<b>COID:</b>	GLE			<b>SOXT:</b>		
<b>DISN:</b>	GLENN COUNTY APCD			<b>PMT:</b>	6.64	
<b>CHAPIS:</b>				<b>PM10T:</b>	2.656	
<b><u>2011 Toxic Data</u></b>						
<b>Facility ID:</b>	206			<b>COID:</b>	GLE	
<b>Facility SIC Code:</b>	2499			<b>DISN:</b>	GLENN COUNTY APCD	
<b>CO:</b>	11			<b>CHAPIS:</b>		
<b>Air Basin:</b>	SV			<b>CERR Code:</b>		
<b>District:</b>	GLE					
<b>TS:</b>		0				
<b>Health Risk Asmt:</b>						
<b>Non-Cancer Chronic Haz Ind:</b>						
<b>Non-Cancer Acute Haz Ind:</b>						
<b><u>2012 Criteria Data</u></b>						
<b>Facility ID:</b>	206			<b>CERR Code:</b>		
<b>Facility SIC Code:</b>	2499			<b>TOGT:</b>		
<b>CO:</b>	11			<b>ROGT:</b>		
<b>Air Basin:</b>	SV			<b>COT:</b>		
<b>District:</b>	GLE			<b>NOXT:</b>		
<b>COID:</b>	GLE			<b>SOXT:</b>		
<b>DISN:</b>	GLENN COUNTY APCD			<b>PMT:</b>	7.88	
<b>CHAPIS:</b>				<b>PM10T:</b>	3.152	

**2012 Toxic Data**

Facility ID:	206				<b>COID:</b>	GLE
Facility SIC Code:	2499				<b>DISN:</b>	GLENN COUNTY APCD
CO:	11				<b>CHAPIS:</b>	
Air Basin:	SV				<b>CERR Code:</b>	
District:	GLE					
TS:		0				
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2013 Criteria Data**

Facility ID:	206				<b>CERR Code:</b>	
Facility SIC Code:	2499				<b>TOGT:</b>	
CO:	11				<b>ROGT:</b>	
Air Basin:	SV				<b>COT:</b>	
District:	GLE				<b>NOXT:</b>	
COID:	GLE				<b>SOXT:</b>	
DISN:	GLENN COUNTY APCD				<b>PMT:</b>	7.88
CHAPIS:					<b>PM10T:</b>	3.152

**2013 Toxic Data**

Facility ID:	206				<b>COID:</b>	GLE
Facility SIC Code:	2499				<b>DISN:</b>	GLENN COUNTY APCD
CO:	11				<b>CHAPIS:</b>	
Air Basin:	SV				<b>CERR Code:</b>	
District:	GLE					
TS:		0				
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2014 Criteria Data**

Facility ID:	206				<b>CERR Code:</b>	
Facility SIC Code:	2499				<b>TOGT:</b>	
CO:	11				<b>ROGT:</b>	
Air Basin:	SV				<b>COT:</b>	
District:	GLE				<b>NOXT:</b>	
COID:	GLE				<b>SOXT:</b>	
DISN:	GLENN COUNTY APCD				<b>PMT:</b>	7.88
CHAPIS:					<b>PM10T:</b>	3.152

**2014 Toxic Data**

Facility ID:	206				<b>COID:</b>	GLE
Facility SIC Code:	2499				<b>DISN:</b>	GLENN COUNTY APCD
CO:	11				<b>CHAPIS:</b>	
Air Basin:	SV				<b>CERR Code:</b>	
District:	GLE					
TS:		0				
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2015 Criteria Data**

Facility ID:	206				<b>CERR Code:</b>	
Facility SIC Code:	2499				<b>TOGT:</b>	
CO:	11				<b>ROGT:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Air Basin:	SV				COT:	
District:	GLE				NOXT:	
COID:	GLE				SOXT:	
DISN:	GLENN COUNTY APCD				PMT:	7.88
CHAPIS:					PM10T:	3.152

**2015 Toxic Data**

Facility ID:	206				COID:	GLE
Facility SIC Code:	2499				DISN:	GLENN COUNTY APCD
CO:	11				CHAPIS:	
Air Basin:	SV				CERR Code:	
District:	GLE					
TS:		0				
Health Risk Asmt:						
Non-Cancer Chronic Haz Ind:						
Non-Cancer Acute Haz Ind:						

**2016 Criteria Data**

Facility ID:	206				CERR CODE:	
Facility SIC Code:	2499				TOGT:	
CO:	11				ROGT:	
Air Basin:	SV				COT:	
District:	GLE				NOXT:	
COID:	GLE				SOXT:	
DISN:	GLENN COUNTY APCD				PMT:	7.88
CHAPIS:					PM10T:	3.152

**2016 Toxic Data**

Facility ID:	206				TS:	0
Facility SIC Code:	2499				HRA:	
CERR CODE:					CH Index:	
COID:	GLE				AH Index:	
CO:	11				Air Basin:	SV
DISN:	GLENN COUNTY APCD				District:	GLE
CHAPIS:						

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<u>3</u>	6 of 7	<b>NW</b>	0.01 / 45.67	222.96 / 0	<b>UNITED BARK PRODUCTS LLC 3717 COUNTY RD 99W ORLAND CA 95963</b>	<b>FINDS/FRS</b>
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Registry ID:	110070095230
FIPS Code:	06021
HUC Code:	18020104
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	07-AUG-17
Update Date:	
Interest Types:	ICIS-NPDES NON-MAJOR, STORM WATER INDUSTRIAL
SIC Codes:	2499
SIC Code Descriptions:	WOOD PRODUCTS, NOT ELSEWHERE CLASSIFIED
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	ICIS
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	02
Census Block Code:	060210102004049
EPA Region Code:	09
County Name:	GLENN COUNTY

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>US/Mexico Border Ind:</b>						
<b>Latitude:</b>		39.686692				
<b>Longitude:</b>		-122.199644				
<b>Reference Point:</b>						
<b>Coord Collection Method:</b>						
<b>Accuracy Value:</b>						
<b>Datum:</b>		NAD83				
<b>Source:</b>						
<b>Facility Detail Rprt URL:</b>		https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110070095230				
<b>Data Source:</b>		Facility Registry Service - Single File				
<b>Program Acronyms:</b>						
NPDES:CAZ462152						

<a href="#">3</a>	7 of 7	NW	0.01 / 45.67	222.96 / 0	UNITED BARK PRODUCTS 3717 CO RD 99W ORLAND CA 95963	EMISSIONS
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**2017 Toxic Data**

<b>Facility ID:</b>	206	<b>COID:</b>	GLE
<b>Facility SIC Code:</b>	2499	<b>DISN:</b>	GLENN COUNTY APCD
<b>CO:</b>	11	<b>CHAPIS:</b>	
<b>Air Basin:</b>	SV	<b>CERR Code:</b>	
<b>District:</b>	GLE		
<b>TS:</b>	0		
<b>Health Risk Asmt:</b>			
<b>Non-Cancer Chronic Haz Ind:</b>			
<b>Non-Cancer Acute Haz Ind:</b>			

**2018 Criteria Data**

<b>Facility ID:</b>	206	<b>CERR Code:</b>	
<b>Facility SIC Code:</b>	2499	<b>TOGT:</b>	
<b>CO:</b>	11	<b>ROGT:</b>	
<b>Air Basin:</b>	SV	<b>COT:</b>	
<b>District:</b>	GLE	<b>NOXT:</b>	
<b>COID:</b>	GLE	<b>SOXT:</b>	
<b>DISN:</b>	GLENN COUNTY APCD	<b>PMT:</b>	9.234503
<b>CHAPIS:</b>		<b>PM10T:</b>	3.6938012

**2018 Toxic Data**

<b>Facility ID:</b>	206	<b>COID:</b>	GLE
<b>Facility SIC Code:</b>	2499	<b>DISN:</b>	GLENN COUNTY APCD
<b>CO:</b>	11	<b>CHAPIS:</b>	
<b>Air Basin:</b>	SV	<b>CERR Code:</b>	
<b>District:</b>	GLE		
<b>TS:</b>	0		
<b>Health Risk Asmt:</b>			
<b>Non-Cancer Chronic Haz Ind:</b>			
<b>Non-Cancer Acute Haz Ind:</b>			

**2019 Criteria Data**

<b>CO:</b>	11	<b>CHAPIS:</b>	
<b>Air Basin:</b>	SV	<b>CERR Code:</b>	
<b>Facility ID:</b>	206	<b>ROGT:</b>	
<b>District:</b>	GLE	<b>COT:</b>	
<b>Facility SIC Code:</b>	2499	<b>NOXT:</b>	
<b>CO ID:</b>	GLE	<b>SOXT:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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DISN: GLENN COUNTY APCD  
 PM10T: 2.1192918  
 TOGT:  
 PMT: 5.2982295

**2019 Toxic Data**

CO:	11	DISN:	GLENN COUNTY APCD
Air Basin:	SV	CHAPIS:	
Facility ID:	206	CERR Code:	
District:	GLE	TS:	0
Facility SIC Code:	2499	Health Risk Asmt:	
COID:	GLE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

**2020 Criteria Data**

CO:	11	CHAPIS:	
Air Basin:	SV	CERR Code:	
Facility ID:	206	ROGT:	
District:	GLE	COT:	
Facility SIC Code:	2499	NOXT:	
CO ID:	GLE	SOXT:	
DISN:	GLENN COUNTY APCD		
TOGT:			
PMT:	4.450725		
PM10T:	1.78029		

**2020 Toxic Data**

CO:	11	DISN:	GLENN COUNTY APCD
Air Basin:	SV	CHAPIS:	
Facility ID:	206	CHERR Code:	
District:	GLE	TS:	
Facility SIC Code:	2499	Health Risk Asmt:	
COID:	GLE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<u>4</u>	1 of 2	SSW	0.01 / 52.21	217.88 / -5	JIM SMERBER 15 & ROAD 27 US 99 ORLAND CA 91719	HHSS
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County:  
 Tank Details Microfiche: <http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00025ab1.pdf>

<u>4</u>	2 of 2	SSW	0.01 / 52.21	217.88 / -5	JIM SMERBER 15 & ROAD 27 ORLAND CA	UST SWEEPS
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C C:	111-000-24950	D Filename:	NSITE7
BOE:		Page No:	451
Comp:	24950	County:	GLENN
Status:	INACTIVE	State :	CA
No of Tanks:	2	Zip:	91719
Jurisdct:	GLENN COUNTY	Latitude:	0
Agency:	CO. AIR POLLUTION CONTROL DIST	Longitude:	0
Phone:	(714) 598-1868	Georesult:	NX

**Tank Details**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Tank ID:</b>	000002				<b>S Contain:</b> NONE	
<b>O Tank ID:</b>					<b>Stg:</b>	
<b>SWRCB No:</b>	11-000-024950-000002				<b>Storage :</b> PRODUCT	
<b>Removed:</b>	07-01-85				<b>Storag Type:</b> PRODUCT	
<b>Installed:</b>	01-01-01				<b>P Contain:</b> OTHER	
<b>A Date:</b>					<b>Content:</b>	
<b>Capac:</b>	500				<b>ONA:</b>	
<b>Tank Use:</b>	UNKNOWN				<b>D File Name:</b> NTANK7	

**Tank Details**

<b>Tank ID:</b>	000001				<b>S Contain:</b> SINGLE & LINER	
<b>O Tank ID:</b>					<b>Stg:</b>	
<b>SWRCB No:</b>	11-000-024950-000001				<b>Storage :</b> PRODUCT	
<b>Removed:</b>	07-01-85				<b>Storag Type:</b> PRODUCT	
<b>Installed:</b>	01-01-82				<b>P Contain:</b> BARE STEEL	
<b>A Date:</b>					<b>Content:</b> DIESEL	
<b>Capac:</b>	10000				<b>ONA:</b>	
<b>Tank Use:</b>	M.V. FUEL				<b>D File Name:</b> NTANK7	

<b>5</b>	<b>1 of 2</b>	<b>WSW</b>	<b>0.10 / 509.85</b>	<b>221.53 / -1</b>	<b>Old Hickory Sheds LLC. 6471 County Road 27 Orland CA 95963</b>	<b>CUPA GLENN</b>
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<b>CERS ID:</b>	10649260				<b>Generator:</b> NO	
<b>Facility ID:</b>					<b>Large Quantity Gen:</b> NO	
<b>County ID:</b>	Glenn				<b>Recycle:</b> NO	
<b>Beginning Date:</b>					<b>Collection:</b> NO	
<b>Ending Date:</b>					<b>Finan Assurance:</b> NO	
<b>On Site:</b>	YES				<b>Consolidation Site:</b> NO	
<b>Regul Subst:</b>	NO				<b>Suppl Loc:</b>	
<b>Owner Operate UST:</b>	NO				<b>Zip Code:</b> 95963	
<b>Owner Operate PST:</b>	NO				<b>Phone:</b> 615-308-0128	
<b>Tank Closure:</b>	NO				<b>Fax:</b>	
<b>On Site Trmt:</b>	NO					

<b>5</b>	<b>2 of 2</b>	<b>WSW</b>	<b>0.10 / 509.85</b>	<b>221.53 / -1</b>	<b>Old Hickory Sheds LLC. 6471 COUNTY ROAD 27 ORLAND CA 95963</b>	<b>CERS HAZ</b>
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<b>Site ID:</b>	398581					
<b>Latitude:</b>	39.682240					
<b>Longitude:</b>	-122.195131					
<b>County:</b>						

**Regulated Programs**

<b>EI ID:</b>	10649260				<b>EI Description:</b> Chemical Storage Facilities	
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**Violations**

<b>Violation Date:</b>	10/18/2018				<b>Violation Source:</b> CERS	
<b>Violation Program:</b>	HMRPP				<b>Violation Division:</b> Glenn County Air Pollution Control District	
<b>Citation:</b>	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)					
<b>Violation Notes:</b>						

Returned to compliance on 11/26/2018. The hazardous materials inventory that was submitted is not complete. Complete and electronically submit the chemical inventory information for all reportable hazardous materials on site at or above reportable quantities including paint, stain and diesel.

**Violation Description:**

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction</i>	<i>Distance (mi/ft)</i>	<i>Elev/Diff (ft)</i>	<i>Site</i>	<i>DB</i>
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**Violations**

**Violation Date:** 11/05/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 12/18/2015.

**Violation Description:**

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

**Violations**

**Violation Date:** 11/05/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 12/18/2015.

**Violation Description:**

Failure to complete and electronically submit a site map with all required content.

**Violations**

**Violation Date:** 11/05/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 12/18/2015.

**Violation Description:**

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

**Violations**

**Violation Date:** 10/18/2018 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
**Violation Notes:**

Returned to compliance on 11/16/2018. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan or failure to document and maintain training records for a minimum of three years. Establish and electronically submit an employee training program containing provisions to ensure initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.

**Violation Description:**

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Violations**

**Violation Date:** 10/18/2018 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 11/26/2018. An annual submittal was not completed on or before the due date. Electronically submit and certify that the business plan is complete, accurate, and in compliance with EPCRA within 30 days. On an ongoing basis, electronically submit and certify the business plan annually on or before the annual due date.

**Violation Description:**

Failure to annually review and electronically certify that the business plan is complete and accurate on or before the annual due date.

**Violations**

**Violation Date:** 11/05/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
**Violation Notes:**

Returned to compliance on 12/18/2015.

**Violation Description:**

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

**Violations**

**Violation Date:** 11/05/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 12/18/2015.

**Violation Description:**

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

**Violations**

**Violation Date:** 11/05/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** 19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 12/18/2015.

**Violation Description:**

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

**Violations**

**Violation Date:** 10/18/2018 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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Returned to compliance on 11/26/2018. The business failed to complete and electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Complete and electronically submit a site map with all required content.

**Violation Description:**

Failure to complete and electronically submit a site map with all required content.

**Evaluations**

**Eval Date:** 10/18/2018  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 11/05/2015  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

Inspector: Kristen Ballew; Note: data in [EVAL Notes] field for some records is truncated from the source.

**Affiliations**

**Affil Type Desc:** Legal Owner  
**Entity Name:** Old Hickory Sheds LLC  
**Entity Title:**  
**Address:** P.O. Box 331973  
**City:** Murfreesboro  
**State:** TN  
**Country:** United States  
**Zip Code:** 97133  
**Phone:** (615) 308-0128

**Affil Type Desc:** Property Owner  
**Entity Name:** Craig Turner  
**Entity Title:**  
**Address:** PO Box 331973  
**City:** Murfreesboro  
**State:** TN  
**Country:** United States  
**Zip Code:** 37133  
**Phone:** (615) 308-0128

**Affil Type Desc:** Facility Mailing Address  
**Entity Name:** Mailing Address  
**Entity Title:**  
**Address:** 6470 County Rd. 27  
**City:** Orland  
**State:** CA  
**Country:**  
**Zip Code:** 95963  
**Phone:**

**Affil Type Desc:** CUPA District  
**Entity Name:** Glenn County Air Pollution Control District

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Entity Title:**  
**Address:** 720 North Colusa Street  
**City:** Willows  
**State:** CA  
**Country:**  
**Zip Code:** 95988  
**Phone:** (530) 934-6500

**Affil Type Desc:** Environmental Contact  
**Entity Name:** Curt Crites  
**Entity Title:**  
**Address:** 5915 176th St. E.  
**City:** Puyallup  
**State:** WA  
**Country:**  
**Zip Code:** 98375  
**Phone:**

**Affil Type Desc:** Parent Corporation  
**Entity Name:** Old Hickory Sheds LLC.  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:**

**Affil Type Desc:** Operator  
**Entity Name:** Old Hickory Sheds LLC  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:** (530) 330-1502

**Coordinates**

<b>Env Int Type Code:</b>	HMBP	<b>Longitude:</b>	-122.195130
<b>Program ID:</b>	10649260	<b>Coord Name:</b>	
<b>Latitude:</b>	39.682240	<b>Ref Point Type Desc:</b>	Center of a facility or station.

<u>6</u>	1 of 4	SE	0.10 / 535.23	222.56 / 0	Greenwood Dairy 6569 CO RD 27 Orland CA 95963	AST
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<b>Total Capacity(Gal):</b>	11,700	<b>Owner Name:</b>	VanderDussen, Daniel
<b>CUPA:</b>	Glenn	<b>County:</b>	Glenn

<u>6</u>	2 of 4	SE	0.10 / 535.23	222.56 / 0	Greenwood Dairy 6569 County Road 27 Orland CA 95963	CUPA GLENN
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<b>CERS ID:</b>	10463296	<b>Generator:</b>	YES
<b>Facility ID:</b>		<b>Large Quantity Gen:</b>	NO
<b>County ID:</b>	Glenn	<b>Recycle:</b>	NO
<b>Beginning Date:</b>		<b>Collection:</b>	NO
<b>Ending Date:</b>		<b>Finan Assurance:</b>	NO
<b>On Site:</b>	YES	<b>Consolidation Site:</b>	NO
<b>Regul Subst:</b>	NO	<b>Suppl Loc:</b>	
<b>Owner Operate UST:</b>	NO	<b>Zip Code:</b>	95963
<b>Owner Operate PST:</b>	YES	<b>Phone:</b>	(530) 624-3226
<b>Tank Closure:</b>	NO	<b>Fax:</b>	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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On Site Trtmt: NO

<u>6</u>	3 of 4	SE	0.10 / 535.23	222.56 / 0	Mission Livestock (Former Greenwood Dairy) 6569 COUNTY ROAD 27 ORLAND CA 95963	CERS TANK
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Site ID: 34407      Latitude: 39.681020  
 Longitude: -122.186880

**Regulated Programs**

**EI ID:** 10463296  
**EI Description:** Chemical Storage Facilities

**EI ID:** 744972  
**EI Description:** Animal Wastewater Discharge

**EI ID:** 10463296  
**EI Description:** Aboveground Petroleum Storage

**Violations**

**Violation Date:** 10/08/2015      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to complete and electronically submit a site map with all required content.

**Violations**

**Violation Date:** 10/08/2015      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(d) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(d)  
**Violation Notes:**

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to complete and/or electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

**Violations**

**Violation Date:** 10/08/2015      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508.1(a)-(e) - California Health and Safety Code, Chapter 6.95, Section(s) 25508.1(a)-(e)  
**Violation Notes:**

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to electronically update business plan within 30 days of any one of the following events:  
 A 100 percent or more increase in the quantity of a previously disclosed material.  
 Any handling of a previously undisclosed hazardous materials at or above reportable quantities.  
 A change of business address, business ownership, or business name.

**Violations**

**Violation Date:** 10/08/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25505(b) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(b)  
**Violation Notes:**

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to submit a revised business plan upon a substantial change in the handler's operations.

**Violations**

**Violation Date:** 10/08/2015 **Violation Source:** CERS  
**Violation Program:** HW **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** 40 CFR 1 265.174 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.174  
**Violation Notes:**

Returned to compliance on 11/06/2015. Photo documentation of used oil clean up in shop submitted 11/4/15.

**Violation Description:**

Failure to inspect hazardous waste storage areas at least weekly.

**Violations**

**Violation Date:** 10/08/2015 **Violation Source:** CERS  
**Violation Program:** HW **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** 40 CFR 1 262.34(d)(5)(iii) - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 262.34(d)(5)(iii)  
**Violation Notes:**

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to ensure employees are familiar with the handling and compliance of hazardous waste regulations and emergency response.

**Violations**

**Violation Date:** 10/08/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

**Violations**

**Violation Date:** 10/08/2015 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)  
**Violation Notes:**



Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

**Violations**

<b>Violation Date:</b>	10/08/2015	<b>Violation Source:</b>	CERS
<b>Violation Program:</b>	HW	<b>Violation Division:</b>	Glenn County Air Pollution Control District
<b>Citation:</b>	40 CFR 1 265.173 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.173		
<b>Violation Notes:</b>			

Returned to compliance on 11/06/2015. Photo documentation of used oil clean up in shop submitted 11/4/15.

**Violation Description:**

Failure to properly close hazardous waste containers when not in active use.

**Violations**

<b>Violation Date:</b>	10/08/2015	<b>Violation Source:</b>	CERS
<b>Violation Program:</b>	HMRRP	<b>Violation Division:</b>	Glenn County Air Pollution Control District
<b>Citation:</b>	19 CCR 6.95 25508(a)(1) - California Code of Regulations, Title 19, Chapter 6.95, Section(s) 25508(a)(1)		
<b>Violation Notes:</b>			

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

**Violations**

<b>Violation Date:</b>	10/08/2015	<b>Violation Source:</b>	CERS
<b>Violation Program:</b>	HMRRP	<b>Violation Division:</b>	Glenn County Air Pollution Control District
<b>Citation:</b>	HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)		
<b>Violation Notes:</b>			

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

**Violations**

<b>Violation Date:</b>	10/08/2015	<b>Violation Source:</b>	CERS
<b>Violation Program:</b>	HW	<b>Violation Division:</b>	Glenn County Air Pollution Control District
<b>Citation:</b>	HSC 6.5 25250.19(c) - California Health and Safety Code, Chapter 6.5, Section(s) 25250.19(c)		
<b>Violation Notes:</b>			

Returned to compliance on 11/06/2015.

**Violation Description:**

Failure to retain paperwork documenting disposal of used oil for three years.

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Enforcements**

<b>Enf Action Date:</b>	03/11/2016	<b>Enf Action Program:</b>	ANIWSTCOWS
<b>Enf Action Type:</b>	Notice of Violation (Water)	<b>Enf Action Source:</b>	CIWQS
<b>Enf Action Division:</b>	Water Boards		
<b>Enf Action Description:</b>	Notice of Violation Letter (Informal)		
<b>Enf Action Notes:</b>			

**Evaluations**

<b>Eval Date:</b>	10/08/2015
<b>Violations Found:</b>	Yes
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Glenn County Air Pollution Control District
<b>Eval Program:</b>	HW
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Inspector: Kristen Ballew; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	07/06/2020
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	RWQCB Type B compliance inspection
<b>Eval Division:</b>	Water Boards
<b>Eval Program:</b>	ANIWSTCOWS
<b>Eval Source:</b>	CIWQS
<b>Eval Notes:</b>	

<b>Eval Date:</b>	10/08/2015
<b>Violations Found:</b>	Yes
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	Routine done by local agency
<b>Eval Division:</b>	Glenn County Air Pollution Control District
<b>Eval Program:</b>	HMRRP
<b>Eval Source:</b>	CERS
<b>Eval Notes:</b>	

Inspector: Kristen Ballew; Note: data in [EVAL Notes] field for some records is truncated from the source.

<b>Eval Date:</b>	10/14/2021
<b>Violations Found:</b>	No
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	RWQCB Type B compliance inspection
<b>Eval Division:</b>	Water Boards
<b>Eval Program:</b>	ANIWSTCOWS
<b>Eval Source:</b>	CIWQS
<b>Eval Notes:</b>	

<b>Eval Date:</b>	01/27/2016
<b>Violations Found:</b>	Yes
<b>Eval General Type:</b>	Compliance Evaluation Inspection
<b>Eval Type:</b>	RWQCB Type B compliance inspection
<b>Eval Division:</b>	Water Boards
<b>Eval Program:</b>	ANIWSTCOWS
<b>Eval Source:</b>	CIWQS
<b>Eval Notes:</b>	

**Affiliations**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Affil Type Desc:</b>					Environmental Contact	
<b>Entity Name:</b>					Doug Freitas	
<b>Entity Title:</b>						
<b>Address:</b>					PO. Box 933	
<b>City:</b>					Dixon	
<b>State:</b>					CA	
<b>Country:</b>						
<b>Zip Code:</b>					95620	
<b>Phone:</b>						
<b>Affil Type Desc:</b>					Property Owner	
<b>Entity Name:</b>					Alcatraz Farming, Inc.	
<b>Entity Title:</b>						
<b>Address:</b>					P.O. Box 875	
<b>City:</b>					Kentfield	
<b>State:</b>					CA	
<b>Country:</b>					United States	
<b>Zip Code:</b>					94914	
<b>Phone:</b>					(415) 308-1589	
<b>Affil Type Desc:</b>					Identification Signer	
<b>Entity Name:</b>					Doug Frietas	
<b>Entity Title:</b>					Owner	
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>					Facility Mailing Address	
<b>Entity Name:</b>					Mailing Address	
<b>Entity Title:</b>						
<b>Address:</b>					6569 County Road 27	
<b>City:</b>					Orland	
<b>State:</b>					CA	
<b>Country:</b>						
<b>Zip Code:</b>					95963	
<b>Phone:</b>						
<b>Affil Type Desc:</b>					Operator	
<b>Entity Name:</b>					Doug Freitas	
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>					(510) 996-8455	
<b>Affil Type Desc:</b>					Parent Corporation	
<b>Entity Name:</b>					Mission Livestock Management	
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>						
<b>Affil Type Desc:</b>					Legal Owner	
<b>Entity Name:</b>					Alcatraz Farming Inc.	
<b>Entity Title:</b>						
<b>Address:</b>					P.O. Box 875	
<b>City:</b>					Kentfield	
<b>State:</b>					CA	
<b>Country:</b>					United States	
<b>Zip Code:</b>					94914	
<b>Phone:</b>					(415) 308-1589	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Affil Type Desc:** Document Preparer  
**Entity Name:** Kristine Cloward  
**Entity Title:**  
**Address:**  
**City:**  
**State:**  
**Country:**  
**Zip Code:**  
**Phone:**

**Affil Type Desc:** CUPA District  
**Entity Name:** Glenn County Air Pollution Control District  
**Entity Title:**  
**Address:** 720 North Colusa Street  
**City:** Willows  
**State:** CA  
**Country:**  
**Zip Code:** 95988  
**Phone:** (530) 934-6500

**Coordinates**

<b>Env Int Type Code:</b>	APSA	<b>Longitude:</b>	-122.017790
<b>Program ID:</b>	10463296	<b>Coord Name:</b>	
<b>Latitude:</b>	39.659600	<b>Ref Point Type Desc:</b>	Center of a facility or station.

<u>6</u>	4 of 4	SE	0.10 / 535.23	222.56 / 0	GREENWOOD DAIRY 6569 COUNTY ROAD 27 ORLAND CA 95963-9780	RCRA NON GEN
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**EPA Handler ID:** CAL000266472  
**Gen Status Universe:** No Report  
**Contact Name:** DANIEL VANDER DUSSEN  
**Contact Address:** 6569 COUNTY ROAD 27 , , ORLAND , CA, 95963 ,  
**Contact Phone No and Ext:** 530-624-2322  
**Contact Email:** NORTHSTATECATTLE@HOTMAIL.COM  
**Contact Country:**  
**County Name:** GLENN  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20030218  
**Location Latitude:** 39.68222  
**Location Longitude:** -122.18687

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Used Oil Market Burner: No  
 Used Oil Spec Marketer: No

**Hazardous Waste Handler Details**

Sequence No: 1  
 Receive Date: 20030218  
 Handler Name: GREENWOOD DAIRY  
 Source Type: Implementer  
 Federal Waste Generator Code: N  
 Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6569 COUNTY ROAD 27
<b>Name:</b>	DANIEL VANDERDUSSEN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	ORLAND
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	530-865-8314	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	95963-9780

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6569 COUNTY ROAD 27
<b>Name:</b>	DANIEL VANDER DUSSEN	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	ORLAND
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	530-624-2322	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	95963

<u>7</u>	1 of 7	WSW	0.11 / 579.09	221.97 / -1	Aartman Transport Corp. 6480 County Road 27 Orland CA 95963	AST
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**Total Capacity(Gal):** 10,000  
**CUPA:** Glenn  
**Owner Name:** Ruan Transport Corp.  
**County:** Glenn

<u>7</u>	2 of 7	WSW	0.11 / 579.09	221.97 / -1	Steve Wills Trucking and Logging L.L.C. 6480 County Road 27 Orland CA 95963	CUPA GLENN
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<b>CERS ID:</b>	10501096	<b>Generator:</b>	YES
<b>Facility ID:</b>		<b>Large Quantity Gen:</b>	NO
<b>County ID:</b>	Glenn	<b>Recycle:</b>	NO
<b>Beginning Date:</b>		<b>Collection:</b>	NO
<b>Ending Date:</b>		<b>Finan Assurance:</b>	NO
<b>On Site:</b>	YES	<b>Consolidation Site:</b>	NO
<b>Regul Subst:</b>	NO	<b>Suppl Loc:</b>	
<b>Owner Operate UST:</b>	NO	<b>Zip Code:</b>	95963
<b>Owner Operate PST:</b>	YES	<b>Phone:</b>	707-768-3781
<b>Tank Closure:</b>	NO	<b>Fax:</b>	
<b>On Site Trmt:</b>	NO		

<u>7</u>	3 of 7	WSW	0.11 / 579.09	221.97 / -1	Steve Wills Trucking and Logging L.L.C. 6480 COUNTY ROAD 27 ORLAND CA 95963	DELISTED CTNK
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**Site ID:** 71479  
**County:**  
**Tank Type:**  
**Latitude:** 39.683979  
**Longitude:** -122.199158

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Original Source: CTNK  
Record Date: 30-MAY-2017

<a href="#">7</a>	4 of 7	WSW	0.11 / 579.09	221.97 / -1	STEVE WILLS TRUCKING AND LOGGING LLC 6480 COUNTY ROAD 27 ORLAND CA 95963	RCRA NON GEN
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EPA Handler ID: CAL000393207  
Gen Status Universe: No Report  
Contact Name: JASON MEDINA  
Contact Address: PO BOX 335 , , FORTUNA , CA, 95540 ,  
Contact Phone No and Ext: 707-768-3781  
Contact Email: WILLSSHOP1@AOL.COM  
Contact Country:  
County Name: GLENN  
EPA Region: 09  
Land Type:  
Receive Date: 20140117  
Location Latitude: 39.682436  
Location Longitude: -122.19919

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Importer Activity: No  
Mixed Waste Generator: No  
Transporter Activity: No  
Transfer Facility: No  
Onsite Burner Exemption: No  
Furnace Exemption: No  
Underground Injection Activity: No  
Commercial TSD: No  
Used Oil Transporter: No  
Used Oil Transfer Facility: No  
Used Oil Processor: No  
Used Oil Refiner: No  
Used Oil Burner: No  
Used Oil Market Burner: No  
Used Oil Spec Marketer: No

**Hazardous Waste Handler Details**

Sequence No: 1  
Receive Date: 20140117  
Handler Name: STEVE WILLS TRUCKING AND LOGGING LLC  
Source Type: Implementer  
Federal Waste Generator Code: N  
Generator Code Description: Not a Generator, Verified

**Owner/Operator Details**

Owner/Operator Ind:	Current Operator	Street No:	
Type:	Other	Street 1:	PO BOX 335
Name:	JASON MEDINA	Street 2:	
Date Became Current:		City:	FORTUNA
Date Ended Current:		State:	CA
Phone:	707-768-3781	Country:	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>Source Type:</b>	Implementer				<b>Zip Code:</b> 95540	
<b>Owner/Operator Ind:</b>	Current Owner				<b>Street No:</b>	
<b>Type:</b>	Other				<b>Street 1:</b> PO BOX 335	
<b>Name:</b>	STEVE WILLS TRUCKING & LOGGING LLC				<b>Street 2:</b>	
<b>Date Became Current:</b>					<b>City:</b> FORTUNA	
<b>Date Ended Current:</b>					<b>State:</b> CA	
<b>Phone:</b>	707-768-3781				<b>Country:</b>	
<b>Source Type:</b>	Implementer				<b>Zip Code:</b> 95540-0335	

[7](#) 5 of 7 WSW 0.11 / 579.09 221.97 / -1 Orchard Machinery Corporation 6480 COUNTY ROAD 27 ORLAND CA 95963 CERS HAZ

**Site ID:** 570465  
**Latitude:** 39.683979  
**Longitude:** -122.199158  
**County:**

**Regulated Programs**

**EI ID:** 10859608 **EI Description:** Hazardous Waste Generator  
**EI ID:** 10859608 **EI Description:** Chemical Storage Facilities

**Violations**

**Violation Date:** 05/11/2021 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)  
**Violation Notes:**

Returned to compliance on 05/11/2021. The business failed to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material including familiarity with the emergency response plan. Conduct initial and annual training for all employees in safety procedures in the event of a release or threatened release of a hazardous material and document and maintain training records for a minimum of three years.

**Violation Description:**

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

**Evaluations**

**Eval Date:** 05/11/2021  
**Violations Found:** Yes  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HMRRP  
**Eval Source:** CERS  
**Eval Notes:**

**Eval Date:** 05/11/2021  
**Violations Found:** No  
**Eval General Type:** Compliance Evaluation Inspection  
**Eval Type:** Routine done by local agency  
**Eval Division:** Glenn County Air Pollution Control District  
**Eval Program:** HW  
**Eval Source:** CERS  
**Eval Notes:**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Affiliations**

<b>Affil Type Desc:</b>	Operator
<b>Entity Name:</b>	DON MAYO
<b>Entity Title:</b>	
<b>Address:</b>	
<b>City:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Zip Code:</b>	
<b>Phone:</b>	(530) 673-2822
<b>Affil Type Desc:</b>	Environmental Contact
<b>Entity Name:</b>	CLINT HARRIS
<b>Entity Title:</b>	
<b>Address:</b>	2700 Colusa Highway
<b>City:</b>	Yuba City
<b>State:</b>	CA
<b>Country:</b>	
<b>Zip Code:</b>	95993
<b>Phone:</b>	
<b>Affil Type Desc:</b>	Identification Signer
<b>Entity Name:</b>	Don Mayo
<b>Entity Title:</b>	President / Owner
<b>Address:</b>	
<b>City:</b>	
<b>State:</b>	
<b>Country:</b>	
<b>Zip Code:</b>	
<b>Phone:</b>	
<b>Affil Type Desc:</b>	Legal Owner
<b>Entity Name:</b>	DON MAYO
<b>Entity Title:</b>	
<b>Address:</b>	2700 Colusa Highway
<b>City:</b>	Yuba City
<b>State:</b>	CA
<b>Country:</b>	United States
<b>Zip Code:</b>	95993
<b>Phone:</b>	(530) 673-2822
<b>Affil Type Desc:</b>	Facility Mailing Address
<b>Entity Name:</b>	Mailing Address
<b>Entity Title:</b>	
<b>Address:</b>	6480 County Road 27
<b>City:</b>	Orland
<b>State:</b>	CA
<b>Country:</b>	
<b>Zip Code:</b>	95963
<b>Phone:</b>	
<b>Affil Type Desc:</b>	CUPA District
<b>Entity Name:</b>	Glenn County Air Pollution Control District
<b>Entity Title:</b>	
<b>Address:</b>	720 North Colusa Street
<b>City:</b>	Willows
<b>State:</b>	CA
<b>Country:</b>	
<b>Zip Code:</b>	95988
<b>Phone:</b>	(530) 934-6500
<b>Affil Type Desc:</b>	Parent Corporation
<b>Entity Name:</b>	ORCHARD MACHINERY CORPORATION
<b>Entity Title:</b>	
<b>Address:</b>	
<b>City:</b>	
<b>State:</b>	
<b>Country:</b>	



Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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Zip Code:  
Phone:

Affil Type Desc: Document Preparer  
 Entity Name: CLINT HARRIS  
 Entity Title:  
 Address:  
 City:  
 State:  
 Country:  
 Zip Code:  
 Phone:

**Coordinates**

Env Int Type Code: HMBP **Longitude:** -122.199550  
 Program ID: 10859608 **Coord Name:**  
 Latitude: 39.683250 **Ref Point Type Desc:** Center of a facility or station.

<u>7</u>	6 of 7	WSW	0.11 / 579.09	221.97 / -1	ORCHARD MACHINERY CORPORATION 6480 COUNTY ROAD 27 ORLAND CA 95863	RCRA NON GEN
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EPA Handler ID: CAL000457845  
 Gen Status Universe: No Report  
 Contact Name: DEAN WILSON  
 Contact Address: 6480 COUNTY ROAD 27 , , ORLAND , CA, 95863 ,  
 Contact Phone No and Ext: 530-865-1006  
 Contact Email: DW@SHAKERMAKER.COM  
 Contact Country:  
 County Name: GLENN  
 EPA Region: 09  
 Land Type:  
 Receive Date: 20201029  
 Location Latitude:  
 Location Longitude:

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

Importer Activity: No  
 Mixed Waste Generator: No  
 Transporter Activity: No  
 Transfer Facility: No  
 Onsite Burner Exemption: No  
 Furnace Exemption: No  
 Underground Injection Activity: No  
 Commercial TSD: No  
 Used Oil Transporter: No  
 Used Oil Transfer Facility: No  
 Used Oil Processor: No  
 Used Oil Refiner: No  
 Used Oil Burner: No  
 Used Oil Market Burner: No  
 Used Oil Spec Marketer: No

**Hazardous Waste Handler Details**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Sequence No:** 1  
**Receive Date:** 20201029  
**Handler Name:** ORCHARD MACHINERY CORPORATION  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	6480 COUNTY ROAD 27
<b>Name:</b>	DEAN WILSON	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	ORLAND
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	530-865-1006	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	95863

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	
<b>Type:</b>	Other	<b>Street 1:</b>	2700 COLUSA HWY
<b>Name:</b>	ORHCARD MACHINERY CORPORATION	<b>Street 2:</b>	
<b>Date Became Current:</b>		<b>City:</b>	YUBA CITY
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	530-673-2822	<b>Country:</b>	
<b>Source Type:</b>	Implementer	<b>Zip Code:</b>	95993

<a href="#">7</a>	7 of 7	WSW	0.11 / 579.09	221.97 / -1	RAYGOZA TRUCK SERVICES INC 6480 COUNTY RD 27 ORLAND CA 95963	RCRA NON GEN
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**EPA Handler ID:** CAL000462636  
**Gen Status Universe:** No Report  
**Contact Name:** AUSTIN RAYGOZA  
**Contact Address:** PO BOX 4557 , , ORLAND , CA, 95963 ,  
**Contact Phone No and Ext:** 530-966-4479  
**Contact Email:** RAYGOZA002@GMAIL.COM  
**Contact Country:**  
**County Name:** GLENN  
**EPA Region:** 09  
**Land Type:**  
**Receive Date:** 20210520  
**Location Latitude:**  
**Location Longitude:**

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20210520  
**Handler Name:** RAYGOZA TRUCK SERVICES INC  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> PO BOX 4557
<b>Name:</b> AUSTIN RAYGOZA	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> ORLAND
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 530-966-4479	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 95963

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> PO BOX 4557
<b>Name:</b> RAYGOZA TRUCK SERVICES INC	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> ORLAND
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 530-966-4479	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 95963

<u>8</u>	1 of 4	WSW	0.19 / 979.12	222.42 / 0	INTERSTATE DISTRIBUTOR CO. 6470 COUNTY RD. #27 ORLAND CA 95963	AST
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<b>Total Capacity(Gal):</b> 30,000	<b>Owner Name:</b> INTERSTATE DISTRIBUTOR CO.
<b>CUPA:</b> Glenn	<b>County:</b> Glenn

<u>8</u>	2 of 4	WSW	0.19 / 979.12	222.42 / 0	INTERSTATE DISTRIBUTOR CO 6470 COUNTY ROAD 27 ORLAND CA	DRYCLEANERS
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<b>EPA ID:</b> CAL000183897	<b>Owner City:</b> TACOMA
<b>Create Date:</b> 2/6/2002	<b>Owner State:</b> WA
<b>Facility Act Ind:</b> No	<b>Owner Zip:</b> 984441236
<b>Inact Date:</b> 6/30/2013	<b>Owner Phone:</b> 8004268512
<b>Reason:</b> SIC/NAICS	<b>Owner Fax:</b> 8007951050
<b>Region Code:</b> 1	<b>Contact Name:</b> JAMES LEONARD
<b>DD Latitude:</b> 39.68226	<b>Contact Street 1:</b> 6470 COUNTY ROAD 27
<b>DD Longitude:</b> -122.19535	<b>Contact Street 2:</b>
<b>Facility County Code:</b> (11) GLENN	<b>Contact City:</b> ORLAND
<b>Mail Name:</b>	<b>Contact State:</b> CA
<b>Owner Name:</b> INTERSTATE DISTRUBUTOR CO	<b>Contact Zip:</b> 959639780
<b>Owner Street 1:</b> 11707 21ST AVENUE CT S	<b>Contact Phone:</b> 5305205823
<b>Owner Street 2:</b>	<b>Contact Fax:</b> 5308652599

**NAICS Details**

**NAICS Code:** 812331  
**NAICS Description:** Linen Supply  
**SIC Code:** 7219  
**SIC Description:** Linen Supply

<u>8</u>	3 of 4	WSW	0.19 / 979.12	222.42 / 0	OLD HICKORY SHEDS 6470 COUNTY ROAD 27	EMISSIONS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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ORLAND CA 95963

**2017 Toxic Data**

<b>Facility ID:</b>	1204	<b>COID:</b>	GLE
<b>Facility SIC Code:</b>	2452	<b>DISN:</b>	GLENN COUNTY APCD
<b>CO:</b>	11	<b>CHAPIS:</b>	
<b>Air Basin:</b>	SV	<b>CERR Code:</b>	
<b>District:</b>	GLE		
<b>TS:</b>			
<b>Health Risk Asmt:</b>			
<b>Non-Cancer Chronic Haz Ind:</b>			
<b>Non-Cancer Acute Haz Ind:</b>			

**2018 Criteria Data**

<b>Facility ID:</b>	1204	<b>CERR Code:</b>	
<b>Facility SIC Code:</b>	2452	<b>TOGT:</b>	0
<b>CO:</b>	11	<b>ROGT:</b>	0
<b>Air Basin:</b>	SV	<b>COT:</b>	
<b>District:</b>	GLE	<b>NOXT:</b>	
<b>COID:</b>	GLE	<b>SOXT:</b>	
<b>DISN:</b>	GLENN COUNTY APCD	<b>PMT:</b>	
<b>CHAPIS:</b>		<b>PM10T:</b>	

**2018 Toxic Data**

<b>Facility ID:</b>	1204	<b>COID:</b>	GLE
<b>Facility SIC Code:</b>	2452	<b>DISN:</b>	GLENN COUNTY APCD
<b>CO:</b>	11	<b>CHAPIS:</b>	
<b>Air Basin:</b>	SV	<b>CERR Code:</b>	
<b>District:</b>	GLE		
<b>TS:</b>			
<b>Health Risk Asmt:</b>			
<b>Non-Cancer Chronic Haz Ind:</b>			
<b>Non-Cancer Acute Haz Ind:</b>			

**2019 Criteria Data**

<b>CO:</b>	11	<b>CHAPIS:</b>	
<b>Air Basin:</b>	SV	<b>CERR Code:</b>	
<b>Facility ID:</b>	1204	<b>ROGT:</b>	.00116235
<b>District:</b>	GLE	<b>COT:</b>	
<b>Facility SIC Code:</b>	2452	<b>NOXT:</b>	
<b>CO ID:</b>	GLE	<b>SOXT:</b>	
<b>DISN:</b>	GLENN COUNTY APCD		
<b>PM10T:</b>			
<b>TOGT:</b>	.001200774793388429752066115702479338842975		
<b>PMT:</b>			

**2019 Toxic Data**

<b>CO:</b>	11	<b>DISN:</b>	GLENN COUNTY APCD
<b>Air Basin:</b>	SV	<b>CHAPIS:</b>	
<b>Facility ID:</b>	1204	<b>CERR Code:</b>	
<b>District:</b>	GLE	<b>TS:</b>	
<b>Facility SIC Code:</b>	2452	<b>Health Risk Asmt:</b>	
<b>COID:</b>	GLE		
<b>Non-Cancer Chronic Haz Ind:</b>			
<b>Non-Cancer Acute Haz Ind:</b>			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**2020 Criteria Data**

CO:	11	CHAPIS:	
Air Basin:	SV	CERR Code:	
Facility ID:	1204	ROGT:	.00116235
District:	GLE	COT:	
Facility SIC Code:	2452	NOXT:	
CO ID:	GLE	SOXT:	
DISN:	GLENN COUNTY APCD		
TOGT:	.001200774793388429752066115702479338842975		
PMT:			
PM10T:			

**2020 Toxic Data**

CO:	11	DISN:	GLENN COUNTY APCD
Air Basin:	SV	CHAPIS:	
Facility ID:	1204	CHERR Code:	
District:	GLE	TS:	
Facility SIC Code:	2452	Health Risk Asmt:	
COID:	GLE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<u>8</u>	4 of 4	WSW	0.19 / 979.12	222.42 / 0	INTERSTATE DISTRIBUTOR CO. 6470 COUNTY RD. #27 ORLAND CA 95963	AST SWRCB
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Total Gals: 30000  
 Owner Name: INTERSTATE DISTRIBUTOR CO.  
 Data Source: SWRCB Aboveground Storage Tanks Listing 2003;SWRCB Aboveground Storage Tanks Listing 2005;SWRCB Aboveground Storage Tanks Listing 2007;SWRCB Aboveground Storage Tanks Listing 2006

<u>9</u>	1 of 5	N	0.22 / 1,153.42	227.36 / 5	Krueger Farms 3748 County Road Mm Orland CA 95963	CUPA GLENN
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CERS ID:	10468693	Generator:	YES
Facility ID:		Large Quantity Gen:	NO
County ID:	Glenn	Recycle:	NO
Beginning Date:	11/13/2013	Collection:	NO
Ending Date:	11/12/2014	Finan Assurance:	NO
On Site:	YES	Consolidation Site:	NO
Regul Subst:	NO	Suppl Loc:	
Owner Operate UST:	NO	Zip Code:	95963
Owner Operate PST:	NO	Phone:	(530) 865-3126
Tank Closure:	NO	Fax:	
On Site Trmt:	NO		

<u>9</u>	2 of 5	N	0.22 / 1,153.42	227.36 / 5	KRUEGER FARMS 3748 COUNTY RD MM ORLAND CA 95963	RCRA NON GEN
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EPA Handler ID: CAL000443466  
 Gen Status Universe: No Report  
 Contact Name: BILL KRUEGER  
 Contact Address: 3748 COUNTY RD MM , , ORLAND , CA, 95963 ,  
 Contact Phone No and Ext: 530-520-3281  
 Contact Email:  
 Contact Country:  
 County Name: GLENN  
 EPA Region: 09  
 Land Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Receive Date:		20190211				
Location Latitude:		39.688251				
Location Longitude:		-122.166225				

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20190211  
**Handler Name:** KRUEGER FARMS  
**Source Type:** Implementer  
**Federal Waste Generator Code:** N  
**Generator Code Description:** Not a Generator, Verified

**Owner/Operator Details**

<b>Owner/Operator Ind:</b> Current Owner	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 3748 COUNTY RD MM
<b>Name:</b> BILL KRUEGER	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> ORLAND
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 530-520-3281	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 95963

<b>Owner/Operator Ind:</b> Current Operator	<b>Street No:</b>
<b>Type:</b> Other	<b>Street 1:</b> 3748 COUNTY RD MM
<b>Name:</b> BILL KRUEGER	<b>Street 2:</b>
<b>Date Became Current:</b>	<b>City:</b> ORLAND
<b>Date Ended Current:</b>	<b>State:</b> CA
<b>Phone:</b> 530-520-3281	<b>Country:</b>
<b>Source Type:</b> Implementer	<b>Zip Code:</b> 95963

<a href="#"><u>9</u></a>	3 of 5	N	0.22 / 1,153.42	227.36 / 5	Ramos Oil Company-Orland 3748 COUNTY ROAD 99W ORLAND CA 95963	CERS TANK
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<b>Site ID:</b> 569265	<b>Latitude:</b> 39.689170
<b>Longitude:</b> -122.195700	

**Regulated Programs**

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**EI ID:** 10854289  
**EI Description:** Chemical Storage Facilities

**EI ID:** 10854289  
**EI Description:** Aboveground Petroleum Storage

**EI ID:** 10854289  
**EI Description:** Hazardous Waste Generator

**Violations**

**Violation Date:** 01/23/2023      **Violation Source:** CERS  
**Violation Program:** HW      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** 40 CFR 1 265.32 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.32  
**Violation Notes:**

The facility has not been equip with eyewash or spill response equipment such as absorbent materials and a drum to store used absorbent. Submit photos/documentation to the CUPA demonstrating the facility has been equip with adequate emergency response equipment.

**Violation Description:**

Failure of the facility to maintain the following emergency equipment or equivalents:

- 1) An internal communications or alarm system;
- 2) A device, such as a telephone (immediately available at the scene of Operations/ Maintenance ) or a hand-held two-way radio, capable of summoning emergency assistance from local police departments, fire departments, or State or local emergency response teams;
- 3) Portable fire extinguishers, fire control equipment, spill control equipment, and decontamination equipment; and
- 4) Water at adequate volume and pressure to supply water hose streams, or foam producing equipment, or automatic sprinklers, or water spray systems.

**Violations**

**Violation Date:** 01/23/2023      **Violation Source:** CERS  
**Violation Program:** APSA      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)  
**Violation Notes:**

Failure to implement SPCC. Facility is not conducting scheduled inspections, testing or maintaining records in accordance with SPCC plan. Implement SPCC.

**Violation Description:**

Failure to implement the SPCC Plan.

**Violations**

**Violation Date:** 01/23/2023      **Violation Source:** CERS  
**Violation Program:** HMRRP      **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)  
**Violation Notes:**

The business failed to establish and electronically submit an adequate employee training plan. Training was marked as not applicable in ER Plan. Establish and electronically submit an adequate employee training plan, which is reasonable and appropriate for the size of the business and the nature of the hazardous material handled.

**Violation Description:**

Failure to establish and/or electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material. \*Verify agricultural handler exemption HSC 25507.1

**Violations**

**Violation Date:** 01/23/2023      **Violation Source:** CERS

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
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**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)  
**Violation Notes:**

The business failed to electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. Quantities are reported incorrectly and some materials are missing. Electronically submit complete and accurate chemical inventory information for all hazardous materials on site at or above reportable quantities. The hazardous material inventory information is not accurate.

**Violation Description:**

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

**Violations**

**Violation Date:** 01/23/2023 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)  
**Violation Notes:**

The business failed to electronically submit a site map with all required content including: north orientation, loading area, internal roads, adjacent streets, storm and sewer drains, access and exit points, emergency shut offs, evacuation staging area, hazardous materials/waste storage areas and emergency response equipment. Electronically submit a site map with all required content.

**Violation Description:**

Failure to complete and electronically submit a site map with all required content.

**Violations**

**Violation Date:** 01/23/2023 **Violation Source:** CERS  
**Violation Program:** HW **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** 22 CCR 12 66262.12 - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.12  
**Violation Notes:**

The generator has not obtained an Identification Number to manage hazardous waste. A hazardous waste generator shall not treat, store, dispose of, transport or offer for transportation, hazardous waste without obtaining an Identification Number. Submit documentation to the CUPA demonstrating that you have obtained an Identification Number.

**Violation Description:**

Failure to obtain an Identification Number prior to treating, storing, disposing of, transporting or offering for transportation any hazardous waste.

**Violations**

**Violation Date:** 01/23/2023 **Violation Source:** CERS  
**Violation Program:** HMRRP **Violation Division:** Glenn County Air Pollution Control District  
**Citation:** HSC 6.95 25508(a)(3) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(3)  
**Violation Notes:**

The business failed to establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material. Emergency response equipment listed does not accurately represent what is available on site. Establish and electronically submit adequate emergency response procedures for a release or threatened release of a hazardous material within 30 days.

**Violation Description:**

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

**Evaluations**

**Eval Date:** 01/23/2023



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction</b>	<b>Distance (mi/ft)</b>	<b>Elev/Diff (ft)</b>	<b>Site</b>	<b>DB</b>
<b>Violations Found:</b>		Yes				
<b>Eval General Type:</b>		Compliance Evaluation Inspection				
<b>Eval Type:</b>		Routine done by local agency				
<b>Eval Division:</b>		Glenn County Air Pollution Control District				
<b>Eval Program:</b>		APSA				
<b>Eval Source:</b>		CERS				
<b>Eval Notes:</b>						
<b>Eval Date:</b>		01/23/2023				
<b>Violations Found:</b>		Yes				
<b>Eval General Type:</b>		Compliance Evaluation Inspection				
<b>Eval Type:</b>		Routine done by local agency				
<b>Eval Division:</b>		Glenn County Air Pollution Control District				
<b>Eval Program:</b>		HMRRP				
<b>Eval Source:</b>		CERS				
<b>Eval Notes:</b>						
<b>Eval Date:</b>		01/23/2023				
<b>Violations Found:</b>		Yes				
<b>Eval General Type:</b>		Compliance Evaluation Inspection				
<b>Eval Type:</b>		Routine done by local agency				
<b>Eval Division:</b>		Glenn County Air Pollution Control District				
<b>Eval Program:</b>		HW				
<b>Eval Source:</b>		CERS				
<b>Eval Notes:</b>						
<b><u>Affiliations</u></b>						
<b>Affil Type Desc:</b>		Facility Mailing Address				
<b>Entity Name:</b>		Mailing Address				
<b>Entity Title:</b>						
<b>Address:</b>		1515 South River Road				
<b>City:</b>		West Sacramento				
<b>State:</b>		CA				
<b>Country:</b>						
<b>Zip Code:</b>		95691				
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Environmental Contact				
<b>Entity Name:</b>		Lauren Takos				
<b>Entity Title:</b>						
<b>Address:</b>		1515 South River Road				
<b>City:</b>		West Sacramento				
<b>State:</b>		CA				
<b>Country:</b>						
<b>Zip Code:</b>		95691				
<b>Phone:</b>						
<b>Affil Type Desc:</b>		Operator				
<b>Entity Name:</b>		Ramos Oil Company				
<b>Entity Title:</b>						
<b>Address:</b>						
<b>City:</b>						
<b>State:</b>						
<b>Country:</b>						
<b>Zip Code:</b>						
<b>Phone:</b>		(916) 371-2570				
<b>Affil Type Desc:</b>		CUPA District				
<b>Entity Name:</b>		Glenn County Air Pollution Control District				
<b>Entity Title:</b>						
<b>Address:</b>		720 North Colusa Street				
<b>City:</b>		Willows				
<b>State:</b>		CA				
<b>Country:</b>						

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
Zip Code:		95988				
Phone:		(530) 934-6500				
Affil Type Desc:		Legal Owner				
Entity Name:		Ramos Oil Company				
Entity Title:						
Address:		1515 South River Road				
City:		West Sacramento				
State:		CA				
Country:		United States				
Zip Code:		95691				
Phone:		(916) 371-2570				
Affil Type Desc:		Identification Signer				
Entity Name:		Lauren Takos				
Entity Title:		EHS Manager				
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Property Owner				
Entity Name:		Ramos Oil Company				
Entity Title:						
Address:						
City:		West Sacramento				
State:		CA				
Country:		United States				
Zip Code:		95691				
Phone:		(916) 371-2570				
Affil Type Desc:		Parent Corporation				
Entity Name:		RAMOS OIL COMPANIES				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						
Affil Type Desc:		Document Preparer				
Entity Name:		Lauren Takos				
Entity Title:						
Address:						
City:						
State:						
Country:						
Zip Code:						
Phone:						

<u>9</u>	4 of 5	N	0.22 / 1,153.42	227.36 / 5	RAMOS OIL COMPANY-ORLAND 3748 COUNTY ROAD 99W, NORTH OF COUNTY ROAD 99W ORLAND CA 95963	RCRA SQG
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**EPA Handler ID:** CAR000313304  
**Gen Status Universe:** Small Quantity Generator  
**Contact Name:** LAUREN M TAKOS  
**Contact Address:** 1515 , SOUTH RIVER ROAD , , WEST SACRAMENTO , CA, 95691 , US  
**Contact Phone No and Ext:** 916-825-1000  
**Contact Email:** LAURENT@RAMOSOIL.COM  
**Contact Country:** US  
**County Name:** GLENN  
**EPA Region:** 09  
**Land Type:** Private

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**Receive Date:** 20201014  
**Location Latitude:** 39.797567  
**Location Longitude:** -122.085271

**Violation/Evaluation Summary**

**Note:** NO RECORDS: As of Jan 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

**Handler Summary**

**Importer Activity:** No  
**Mixed Waste Generator:** No  
**Transporter Activity:** No  
**Transfer Facility:** No  
**Onsite Burner Exemption:** No  
**Furnace Exemption:** No  
**Underground Injection Activity:** No  
**Commercial TSD:** No  
**Used Oil Transporter:** No  
**Used Oil Transfer Facility:** No  
**Used Oil Processor:** No  
**Used Oil Refiner:** No  
**Used Oil Burner:** No  
**Used Oil Market Burner:** No  
**Used Oil Spec Marketer:** No

**Hazardous Waste Handler Details**

**Sequence No:** 1  
**Receive Date:** 20201014  
**Handler Name:** RAMOS OIL COMPANY-ORLAND  
**Federal Waste Generator Code:** 2  
**Generator Code Description:** Small Quantity Generator  
**Source Type:** Notification

**Waste Code Details**

**Hazardous Waste Code:** D001  
**Waste Code Description:** IGNITABLE WASTE

**Owner/Operator Details**

<b>Owner/Operator Ind:</b>	Current Owner	<b>Street No:</b>	1515
<b>Type:</b>	Private	<b>Street 1:</b>	SOUTH RIVER ROAD
<b>Name:</b>	W. KENT RAMOS	<b>Street 2:</b>	
<b>Date Became Current:</b>	20201014	<b>City:</b>	WEST SACRAMENTO
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	916-825-1000	<b>Country:</b>	US
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	95691

<b>Owner/Operator Ind:</b>	Current Operator	<b>Street No:</b>	1515
<b>Type:</b>	Private	<b>Street 1:</b>	SOUTH RIVER ROAD
<b>Name:</b>	RAMOS OIL COMPANY	<b>Street 2:</b>	
<b>Date Became Current:</b>	20201014	<b>City:</b>	WEST SACRAMENTO
<b>Date Ended Current:</b>		<b>State:</b>	CA
<b>Phone:</b>	916-825-1000	<b>Country:</b>	US
<b>Source Type:</b>	Notification	<b>Zip Code:</b>	95691

<a href="#">9</a>	5 of 5	N	0.22 / 1,153.42	227.36 / 5	RAMOS OIL CO. INC 3748 HIGHWAY 99W ORLAND CA 95963	EMISSIONS
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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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**2020 Criteria Data**

CO:	11	CHAPIS:	
Air Basin:	SV	CERR Code:	
Facility ID:	1252	ROGT:	.0375
District:	GLE	COT:	
Facility SIC Code:	5541	NOXT:	
CO ID:	GLE	SOXT:	
DISN:	GLENN COUNTY APCD		
TOGT:	.0375		
PMT:			
PM10T:			

**2020 Toxic Data**

CO:	11	DISN:	GLENN COUNTY APCD
Air Basin:	SV	CHAPIS:	
Facility ID:	1252	CHERR Code:	
District:	GLE	TS:	
Facility SIC Code:	5541	Health Risk Asmt:	
COID:	GLE		
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

<a href="#">10</a>	1 of 1	SSE	0.25 / 1,308.43	217.68 / -5	UNNAMED LOCATION GLENN COUNTY ORLAND CA 95963	MRDS
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Dep ID:	10115244	I1:	14
Dev Status:	PRODUCER	Latitude:	39.678894
Code List:	SDG	Longitude:	-122.193481
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10115244		

**Commodity**

I1:	47	Line:	1
Code:	SDG	Inserted By:	MAS migration
Commodity:	Sand and Gravel, Cons	Insert Date:	29-OCT-2002 09:00:24
Commodity Type:	Non-metallic	Updated By:	USGS
Commodity Group:	Sand and Gravel	Update Date:	29-OCT-2002 09:01:19
Importance:	Primary		

**Names**

I1:	23	Inserted By:	MAS migration
Status:	Current	Insert Date:	29-OCT-02
Site Name:	Unnamed Location	Updated By:	USGS
Line:	2	Update Date:	29-OCT-02

<a href="#">11</a>	1 of 1	WNW	0.29 / 1,527.49	221.67 / -1	UNNAMED LOCATION GLENN COUNTY ORLAND CA 95963	MRDS
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Dep ID:	10115181	I1:	10
Dev Status:	PRODUCER	Latitude:	39.687683
Code List:	SDG	Longitude:	-122.201782
Url:	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10115181		

**Commodity**

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
<b>I1:</b>	50				<b>Line:</b>	1
<b>Code:</b>	SDG				<b>Inserted By:</b>	MAS migration
<b>Commodity:</b>	Sand and Gravel, Cons				<b>Insert Date:</b>	29-OCT-2002 09:00:24
<b>Commodity Type:</b>	Non-metallic				<b>Updated By:</b>	USGS
<b>Commodity Group:</b>	Sand and Gravel				<b>Update Date:</b>	29-OCT-2002 09:01:19
<b>Importance:</b>	Primary					

**Names**

<b>I1:</b>	33				<b>Inserted By:</b>	MAS migration
<b>Status:</b>	Previous				<b>Insert Date:</b>	29-OCT-02
<b>Site Name:</b>	Gray Eagle				<b>Updated By:</b>	USGS
<b>Line:</b>	2				<b>Update Date:</b>	29-OCT-02

**Names**

<b>I1:</b>	33				<b>Inserted By:</b>	MAS migration
<b>Status:</b>	Current				<b>Insert Date:</b>	29-OCT-02
<b>Site Name:</b>	Unnamed Location				<b>Updated By:</b>	USGS
<b>Line:</b>	3				<b>Update Date:</b>	29-OCT-02

[12](#) 1 of 1 **WNW** 0.30 / 1,558.90 219.97 / -3 **UNNAMED LOCATION GLENN COUNTY ORLAND CA 95963** **MRDS**

<b>Dep ID:</b>	10076563			<b>I1:</b>	10
<b>Dev Status:</b>	PAST PRODUCER			<b>Latitude:</b>	39.687683
<b>Code List:</b>	SDG			<b>Longitude:</b>	-122.201904
<b>Url:</b>	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10076563				

**Commodity**

<b>I1:</b>	30				<b>Line:</b>	1
<b>Code:</b>	SDG				<b>Inserted By:</b>	MRDS migration
<b>Commodity:</b>	Sand and Gravel, Cons				<b>Insert Date:</b>	29-OCT-2002 09:00:24
<b>Commodity Type:</b>	Non-metallic				<b>Updated By:</b>	USGS
<b>Commodity Group:</b>	Sand and Gravel				<b>Update Date:</b>	29-OCT-2002 09:01:01
<b>Importance:</b>	Primary					

**Names**

<b>I1:</b>	21				<b>Inserted By:</b>	MRDS migration
<b>Status:</b>	Current				<b>Insert Date:</b>	29-OCT-02
<b>Site Name:</b>	Unnamed Location				<b>Updated By:</b>	USGS
<b>Line:</b>	1				<b>Update Date:</b>	29-OCT-02

[13](#) 1 of 1 **ESE** 0.61 / 3,237.12 212.41 / -10 **PIT GLENN COUNTY ORLAND CA 95963** **MRDS**

<b>Dep ID:</b>	10115018			<b>I1:</b>	23
<b>Dev Status:</b>	PRODUCER			<b>Latitude:</b>	39.678528
<b>Code List:</b>	SDG			<b>Longitude:</b>	-122.184082
<b>Url:</b>	http://mrdata.usgs.gov/mrds/show-mrds.php?dep_id=10115018				

**Commodity**

<b>I1:</b>	54				<b>Line:</b>	1
<b>Code:</b>	SDG				<b>Inserted By:</b>	MAS migration
<b>Commodity:</b>	Sand and Gravel, Cons				<b>Insert Date:</b>	29-OCT-2002 09:00:24
<b>Commodity Type:</b>	Non-metallic				<b>Updated By:</b>	USGS

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
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<b>Commodity Group:</b>	Sand and Gravel	<b>Update Date:</b>	29-OCT-2002 09:01:19
<b>Importance:</b>	Primary		

**Names**

<b>I1:</b>	33	<b>Inserted By:</b>	MAS migration
<b>Status:</b>	Current	<b>Insert Date:</b>	29-OCT-02
<b>Site Name:</b>	Pit	<b>Updated By:</b>	USGS
<b>Line:</b>	1	<b>Update Date:</b>	29-OCT-02

<a href="#">14</a>	1 of 1	N	0.80 / 4,235.16	232.52 / 10	WTP 3820 HWY 99 ORLAND CA 95963	INSP COMP ENF
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<b>EPA ID:</b>	CAL000267271	<b>County:</b>	GLENN
<b>Geotracker Address:</b>		<b>Geotracker Lat:</b>	
<b>Geotracker City:</b>		<b>Geotracker Long:</b>	
<b>Report URL:</b>	<a href="https://www.envirostor.dtsc.ca.gov/public/eeper_profile_report?global_id=3000305">https://www.envirostor.dtsc.ca.gov/public/eeper_profile_report?global_id=3000305</a>		

**Inspection Information**

<b>Inspection Type:</b>	Focused Compliance Inspection - Universal Waste Electronics Recycler
<b>Violations:</b>	Minor
<b>Inspection Date:</b>	8/25/2021
<b>Return to Compliance:</b>	9/21/2021
<b>Report Sent Date:</b>	8/25/2021

<b>Inspection Type:</b>	Focused Compliance Inspection - Universal Waste Electronics Recycler
<b>Violations:</b>	No Violations
<b>Inspection Date:</b>	7/28/2022
<b>Return to Compliance:</b>	
<b>Report Sent Date:</b>	7/28/2022

**Complaints**

<b>Case No:</b>	21-0521-0066
<b>Complaint Date:</b>	5/19/2021
<b>Violations:</b>	YES

**Site Details (Download)**

<b>Envirostor ID:</b>	3000305	<b>Address:</b>	
<b>Site Type:</b>	INSPECTION	<b>City:</b>	
<b>Status:</b>	No Action	<b>Zip:</b>	
<b>County:</b>			
<b>Project Name:</b>			

# Unplottable Summary

Total: 0 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
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No unplottable records were found that may be relevant for the search criteria.

# Unplottable Report

No unplottable records were found that may be relevant for the search criteria.



## Appendix: Database Descriptions

*Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:*

*"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."*

### **Standard Environmental Record Sources**

#### **Federal**

##### **Formerly Utilized Sites Remedial Action Program:**

[DOE FUSRAP](#)

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

**Government Publication Date: Mar 4, 2017**

##### **National Priority List:**

[NPL](#)

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Nov 3, 2022**

##### **National Priority List - Proposed:**

[PROPOSED NPL](#)

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Nov 3, 2022**

##### **Deleted NPL:**

[DELETED NPL](#)

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. 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. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

**Government Publication Date: Nov 3, 2022**

**SEMS List 8R Active Site Inventory:**

[SEMS](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

**Government Publication Date: Jan 25, 2023**

**Inventory of Open Dumps, June 1985:**

[ODI](#)

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

**Government Publication Date: Jun 1985**

**SEMS List 8R Archive Sites:**

[SEMS ARCHIVE](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

**Government Publication Date: Jan 25, 2023**

**Comprehensive Environmental Response, Compensation and Liability Information System -**

[CERCLIS](#)

**CERCLIS:**

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

**Government Publication Date: Oct 25, 2013**

**EPA Report on the Status of Open Dumps on Indian Lands:**

[IODI](#)

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

**Government Publication Date: Dec 31, 1998**

**CERCLIS - No Further Remedial Action Planned:**

[CERCLIS NFRAP](#)

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

**Government Publication Date: Oct 25, 2013**

**CERCLIS Liens:**

[CERCLIS LIENS](#)

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

**Government Publication Date: Jan 30, 2014**

**RCRA CORRACTS-Corrective Action:**

[RCRA CORRACTS](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

**Government Publication Date: Jan 23, 2023**

**RCRA non-CORRACTS TSD Facilities:**

[RCRA TSD](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by RCRA.

**Government Publication Date: Jan 23, 2023**

**RCRA Generator List:**

[RCRA LQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

**Government Publication Date: Jan 23, 2023**

**RCRA Small Quantity Generators List:**

[RCRA SQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

**Government Publication Date: Jan 23, 2023**

**RCRA Very Small Quantity Generators List:**

[RCRA VSQG](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

**Government Publication Date: Jan 23, 2023**

**RCRA Non-Generators:**

[RCRA NON GEN](#)

RCRA Info is the U.S. Environmental Protection Agency's (EPA) 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. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

**Government Publication Date: Jan 23, 2023**

**RCRA Sites with Controls:**

[RCRA CONTROLS](#)

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

**Government Publication Date: Jan 23, 2023**

**Federal Engineering Controls-ECs:**

[FED ENG](#)

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Dec 22, 2022**

**Federal Institutional Controls- ICs:**

FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2020 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

**Government Publication Date: Dec 22, 2022**

**Land Use Control Information System:**

LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

**Government Publication Date: Sep 1, 2006**

**Institutional Control Boundaries at NPL sites:**

NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

**Government Publication Date: Nov 3, 2022**

**Emergency Response Notification System:**

ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1982-1986**

**Emergency Response Notification System:**

ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

**Government Publication Date: 1987-1989**

**Emergency Response Notification System:**

ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

**Government Publication Date: Nov 6, 2022**

**The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database:**

FED BROWNFIELDS

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 protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

**Government Publication Date: Sep 13, 2022**

**FEMA Underground Storage Tank Listing:**

FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

**Government Publication Date: Dec 31, 2017**

**Facility Response Plan:**

[FRP](#)

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: Dec 31, 2021**

**Delisted Facility Response Plans:**

[DELISTED FRP](#)

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

**Government Publication Date: Dec 31, 2021**

**Historical Gas Stations:**

[HIST GAS STATIONS](#)

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

**Government Publication Date: Jul 1, 1930**

**Petroleum Refineries:**

[REFN](#)

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

**Government Publication Date: Aug 30, 2022**

**Petroleum Product and Crude Oil Rail Terminals:**

[BULK TERMINAL](#)

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

**Government Publication Date: Jun 29, 2022**

**LIEN on Property:**

[SEMS LIEN](#)

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

**Government Publication Date: Jan 25, 2023**

**Superfund Decision Documents:**

[SUPERFUND ROD](#)

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

**Government Publication Date: Dec 22, 2022**

**State**

**State Response Sites:**

[RESPONSE](#)

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

**Government Publication Date: Feb 6, 2023**

**EnviroStor Database:**

[ENVIROSTOR](#)

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

**Government Publication Date: Feb 6, 2023**

**Delisted State Response Sites:**

DELISTED ENVIS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

**Government Publication Date: Feb 6, 2023**

**Solid Waste Information System (SWIS):**

SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

**Government Publication Date: Feb 9, 2023**

**Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels:**

SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

**Government Publication Date: Sep 20, 2006**

**Waste Management Unit Database:**

WMUD

The Waste Management Unit Database System tracks and inventories waste management units. CCR Title 27 contains criteria stating that Waste Management Units are classified according to their ability to contain wastes. Containment shall be determined by geology, hydrology, topography, climatology, and other factors relating to the ability of the Unit to protect water quality. Water Code Section 13273.1 requires that operators submit a water quality solid waste assessment test (SWAT) report to address leak status. The WMUDS was last updated by the State Water Resources control board in 2000.

**Government Publication Date: Jan 1, 2000**

**EnviroStor Hazardous Waste Facilities:**

HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

**Government Publication Date: Feb 6, 2023**

**Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report:**

SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

**Government Publication Date: Dec 31, 1995**

**Construction and Demolition Debris Recyclers:**

C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

**Government Publication Date: Jun 20, 2018**

**Recycling Centers:**

RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Jan 12, 2023**

**Listing of Certified Processors:**

PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Jan 12, 2023**

**Listing of Certified Dropoff, Collection, and Community Service Programs:**

CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

**Government Publication Date: Jan 13, 2023**

**Land Disposal Sites:**

LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

**Government Publication Date: Nov 16, 2022**

**Leaking Underground Fuel Tank Reports:**

LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

**Government Publication Date: Nov 16, 2022**

**Delisted Leaking Storage Tanks:**

DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

**Government Publication Date: Nov 16, 2022**

**Permitted Underground Storage Tank (UST) in GeoTracker:**

UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

**Government Publication Date: Jan 17, 2023**

**Proposed Closure of Underground Storage Tank Cases:**

UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

**Government Publication Date: May 5, 2021**

**Historical Hazardous Substance Storage Information Database:**

HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

**Government Publication Date: Aug 27, 2015**

**Statewide Environmental Evaluation and Planning System:**

UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

**Government Publication Date: Oct 1, 1994**

**Aboveground Storage Tanks:**

AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

**Government Publication Date: Aug 31, 2009**

**SWRCB Historical Aboveground Storage Tanks:**

AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

**Government Publication Date: Dec 1, 2007**

**Oil and Gas Facility Tanks:**

TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

**Government Publication Date: Jan 9, 2023**

**Delisted Storage Tanks:**

[DELISTED TNK](#)

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

**Government Publication Date: Jan 17, 2023**

**California Environmental Reporting System (CERS) Tanks:**

[CERS TANK](#)

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. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

**Government Publication Date: Jan 10, 2023**

**Delisted California Environmental Reporting System (CERS) Tanks:**

[DELISTED CTNK](#)

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

**Government Publication Date: Jan 10, 2023**

**Historical Hazardous Substance Storage Container Information - Facility Summary:**

[HIST TANK](#)

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in the 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

**Government Publication Date: May 27, 1988**

**Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions:**

[LUR](#)

The Department of Toxic Substances Control (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 land use restrictions that are active. Some sites have multiple land use restrictions.

**Government Publication Date: Feb 6, 2023**

**CALSITES Database:**

[CALSITES](#)

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

**Government Publication Date: May 1, 2004**

**Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions:**

[HLUR](#)

The Department of Toxic Substances Control (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.

**Government Publication Date: Feb 18, 2021**

**Deed Restrictions and Land Use Restrictions:**

[DEED](#)

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

**Government Publication Date: Nov 16, 2022**

**Voluntary Cleanup Program:**

[VCP](#)

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

**Government Publication Date: Feb 6, 2023**

**GeoTracker Cleanup Program Sites:**

[CLEANUP SITES](#)

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.



Government Publication Date: Nov 16, 2022

**Delisted Cleanup Program Sites:**

[DELISTED CLEANUP](#)

A list of Cleanup Program sites which were once included - and have since been removed from - the list of Cleanup Program Sites in GeoTracker. GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Government Publication Date: Nov 16, 2022

**Delisted County Records:**

[DELISTED COUNTY](#)

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Mar 8, 2023

**Tribal**

**Leaking Underground Storage Tanks on Tribal/Indian Lands:**

[INDIAN LUST](#)

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 23, 2022

**Underground Storage Tanks on Tribal/Indian Lands:**

[INDIAN UST](#)

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 9, which includes California, is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 23, 2022

**Delisted Tribal Leaking Storage Tanks:**

[DELISTED INDIAN LST](#)

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 23, 2022

**Delisted Tribal Underground Storage Tanks:**

[DELISTED INDIAN UST](#)

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Nov 23, 2022

**County**

**Glenn County - CUPA List:**

[CUPA GLENN](#)

The Glenn County Air Pollution Control District is the Administering Agency and the Certified Unified Program Agency (CUPA) for Glenn County with responsibility for regulating hazardous materials handlers, hazardous waste generators, underground storage tank facilities, above ground storage tanks, and stationary sources handling regulated substances.

Government Publication Date: Jan 16, 2018

**Additional Environmental Record Sources**

**Federal**

**Facility Registry Service/Facility Index:**

[FINDS/FRS](#)

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Aug 18, 2022

**Toxics Release Inventory (TRI) Program:**

TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

**Government Publication Date: Aug 24, 2021**

**PFOA/PFOS Contaminated Sites:**

PFAS NPL

List of National Priorities List (NPL) and related Superfund Alternative Agreement (SAA) sites where PFOA or PFOS contaminants have been found in water and/or soil. The site listing is provided by the Federal Environmental Protection Agency (EPA).

**Government Publication Date: Oct 4, 2022**

**Federal Agency Locations with Known or Suspected PFAS Detections:**

PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. Sites on this list do not necessarily reflect the source/s of contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.

**Government Publication Date: Jun 30, 2022**

**SSEHRI PFAS Contamination Sites:**

PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current information <https://pfasproject.com/pfas-contamination-site-tracker/>

**Government Publication Date: Dec 12, 2019**

**National Response Center PFAS Spills:**

ERNS PFAS

National Response Center (NRC) calls from 1990 to the most recent complete calendar year where there is indication of Aqueous Film Forming Foam (AFFF) usage. NRC calls may reference AFFF usage in the "Material Involved" or "Incident Description" fields. Data made available by the US Environmental Protection Agency (EPA). Disclaimer: dataset may include initial or misidentified incident data not yet validated or investigated by a federal/state response agency.

**Government Publication Date: Feb 23, 2022**

**PFAS NPDES Discharge Monitoring:**

PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.

**Government Publication Date: Feb 19, 2023**

**Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory:**

PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

**Government Publication Date: Aug 24, 2021**

**Perfluorinated Alkyl Substances (PFAS) Water Quality:**

PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

**Government Publication Date: Jul 20, 2020**

**PFAS TSCA Manufacture and Import Facilities:**

[PFAS TSCA](#)

The US Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) requiring facilities that manufacture or import chemical substances to report to EPA. This list is specific to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl substances (PFAS). Data file made available by the EPA and includes CDR/Inventory Update Reporting data from 1998 up to 2020. EPA makes notes the following about these data: this data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

**Government Publication Date: Jun 20, 2022**

**Hazardous Materials Information Reporting System:**

[HMIRS](#)

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

**Government Publication Date: Sep 1, 2020**

**National Clandestine Drug Labs:**

[NCDL](#)

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data 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.

**Government Publication Date: Aug 30, 2022**

**Toxic Substances Control Act:**

[TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

**Government Publication Date: Apr 11, 2019**

**Hist TSCA:**

[HIST TSCA](#)

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

**Government Publication Date: Dec 31, 2006**

**FTTS Administrative Case Listing:**

[FTTS ADMIN](#)

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**FTTS Inspection Case Listing:**

[FTTS INSP](#)

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

**Government Publication Date: Jan 19, 2007**

**Potentially Responsible Parties List:**

PRP

Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).

**Government Publication Date: Jan 25, 2023**

**State Coalition for Remediation of Drycleaners Listing:**

SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRCD no longer maintains this data, refer to applicable state source data where available.

**Government Publication Date: Nov 08, 2017**

**Integrated Compliance Information System (ICIS):**

ICIS

The U.S. Environmental Protection Agency's Enforcement and Compliance History Online system incorporates data from the Integrated Compliance Information System - National Pollutant Discharge Elimination System (ICIS-NPDES). ICIS-NPDES is an information management system maintained by the Office of Compliance to track permit compliance and enforcement status of facilities regulated by the NPDES under the Clean Water Act. This data includes permit, inspection, violation and enforcement action information for applicable ICIS records.

**Government Publication Date: Oct 15, 2022**

**Drycleaner Facilities:**

FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

**Government Publication Date: Dec 11, 2022**

**Delisted Drycleaner Facilities:**

DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

**Government Publication Date: Dec 11, 2022**

**Formerly Used Defense Sites:**

FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset.

**Government Publication Date: Jul 12, 2022**

**Former Military Nike Missile Sites:**

FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

**Government Publication Date: Dec 2, 1984**

**PHMSA Pipeline Safety Flagged Incidents:**

PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

**Government Publication Date: Mar 31, 2021**

**Material Licensing Tracking System (MLTS):**

MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

**Government Publication Date: May 11, 2021**

**Historic Material Licensing Tracking System (MLTS) sites:**

[HIST MLTS](#)

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

**Government Publication Date: Jan 31, 2010**

**Mines Master Index File:**

[MINES](#)

The Master Index File (MIF) is provided by the United State Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

**Government Publication Date: Aug 3, 2022**

**Surface Mining Control and Reclamation Act Sites:**

[SMCRA](#)

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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 Abandoned Mine Land (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.

**Government Publication Date: Aug 18, 2022**

**Mineral Resource Data System:**

[MRDS](#)

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

**Government Publication Date: Mar 15, 2016**

**DOE Legacy Management Sites:**

[LM SITES](#)

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Title II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

**Government Publication Date: Dec 1, 2022**

**Alternative Fueling Stations:**

[ALT FUELS](#)

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG) fuel type locations.

**Government Publication Date: Jan 3, 2023**

**Superfunds Consent Decrees:**

[CONSENT DECREES](#)

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

**Government Publication Date: Jan 11, 2023**

**Air Facility System:**

AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

**Government Publication Date: Oct 17, 2014**

**Registered Pesticide Establishments:**

SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

**Government Publication Date: Mar 30, 2022**

**Polychlorinated Biphenyl (PCB) Transformers:**

PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

**Government Publication Date: Oct 15, 2019**

**Polychlorinated Biphenyl (PCB) Notifiers:**

PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

**Government Publication Date: Nov 3, 2022**

**State**

**Dry Cleaning Facilities:**

DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

**Government Publication Date: Dec 20, 2021**

**Delisted Drycleaners:**

DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

**Government Publication Date: Jan 31, 2022**

**Non-Toxic Dry Cleaning Incentive Program:**

DRYCLEANERS GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

**Government Publication Date: Jan 31, 2022**

**Per- and Polyfluoroalkyl Substances (PFAS):**

PFAS

List of FAA Part 139 Airports, Selected Landfills, and Chrome Plating Facilities from California Water Boards PFAS Investigations, as well as sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

**Government Publication Date: Feb 15, 2022**

**PFOA/PFOS Groundwater:**

PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

**Government Publication Date: Feb 4, 2023**

**Hazardous Waste and Substances Site List - Site Cleanup:**

[HWSS CLEANUP](#)

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

**Government Publication Date: Nov 2, 2022**

**Toxic Pit Cleanup Act Sites:**

[TOXIC PITS](#)

The Toxic Pits Cleanup Act (TPCA) list identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. This list was maintained by the State Water Resources Control Board (SWRCB), is not longer maintained, and updates are not planned.

**Government Publication Date: Jul 1, 1995**

**List of Hazardous Waste Facilities Subject to Corrective Action:**

[DTSC HWF](#)

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

**Government Publication Date: Jul 18, 2016**

**EnviroStor Inspection, Compliance, and Enforcement:**

[INSP COMP ENF](#)

A list of permitted facilities with inspections and enforcements tracked by the California Department of Toxic Substance Control's (DTSC) EnviroStor data management system.

**Government Publication Date: Oct 24, 2022**

**School Property Evaluation Program Sites:**

[SCH](#)

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

**Government Publication Date: Feb 6, 2023**

**California Hazardous Material Incident Report System (CHMIRS):**

[CHMIRS](#)

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

**Government Publication Date: Aug 15, 2022**

**Historical California Hazardous Material Incident Report System (CHMIRS):**

[HIST CHMIRS](#)

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

**Government Publication Date: Jan 1, 1993**

**Handlers from Hazardous Waste Manifest Data:**

[HAZNET](#)

A list of handlers not otherwise classified as Treatment, Storage, Disposal facilities (TSDF) or generators from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date: Oct 24, 2016**

**Generators from Hazardous Waste Manifest Data:**

[HAZ GEN](#)

List of handlers listed as having generated waste from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date: Dec 31, 2017**

**TSDF from Hazardous Waste Manifest Data:**

[HAZ TSD](#)

List of Treatment, Storage, and Disposal Facilities (TSDFs) from the facilities and manifests data made available by the California Department of Toxic Substances Control (DTSC) in their Hazardous Waste Tracking System (HWTS).

**Government Publication Date: Dec 31, 2017**

**Historical Hazardous Waste Manifest Data:**

[HIST MANIFEST](#)

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

**DTSC Registered Hazardous Waste Transporters:**

HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Dec 9, 2022

**Registered Waste Tire Haulers:**

WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 11, 2022

**California Medical Waste Management Program Facility List:**

MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Oct 31, 2022

**Historical Cortese List:**

HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

**Cease and Desist Orders and Cleanup and Abatement Orders:**

CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

**California Environmental Reporting System (CERS) Hazardous Waste Sites:**

CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Feb 8, 2023

**Delisted Environmental Reporting System (CERS) Hazardous Waste Sites:**

DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

**Sites in GeoTracker:**

GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Nov 16, 2022

**Mines Listing:**

MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Dec 19, 2022



**Recorded Environmental Cleanup Liens:**

[LIEN](#)

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

**Government Publication Date: Aug 3, 2022**

**Waste Discharge Requirements:**

[WASTE DISCHG](#)

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

**Government Publication Date: Nov 16, 2022**

**Toxic Pollutant Emissions Facilities:**

[EMISSIONS](#)

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

**Government Publication Date: Dec 31, 2020**

**Clandestine Drug Lab Sites:**

[CDL](#)

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/ clandestine drug laboratories.

**Government Publication Date: Jan 19, 2021**

**Tribal**

**No Tribal additional environmental record sources available for this State.**

**County**

# Definitions

**Database Descriptions:** This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

**Detail Report:** This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

**Distance:** The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

**Direction:** The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

**Elevation:** The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

**Executive Summary:** This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**Map Key:** The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

**Unplottables:** These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.



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# HISTORICAL AERIALS

**Project Property:** Residential Property, Orland  
3700 County Road 99W  
Orland CA 95963

**Project No:** 23Ph1-Jouhal

**Requested By:** Musson Environmental & Inspection (MEI)

**Order No:** 23032100610

**Date Completed:** March 23, 2023

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<b>Date</b>	<b>Source</b>	<b>Scale</b>	<b>Comments</b>
2022	MAXAR TECHNOLOGIES	1" = 500'	
2018	United States Department of Agriculture	1" = 500'	
2016	United States Department of Agriculture	1" = 500'	
2014	United States Department of Agriculture	1" = 500'	
2012	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
1998	United States Geological Survey	1" = 500'	
1988	United States Geological Survey	1" = 500'	
1983	United States Geological Survey	1" = 500'	
1969	United States Geological Survey	1" = 500'	
1958	Agricultural Stabilization & Conserv. Service	1" = 500'	Photo Index-Best Available
1947	United States Geological Survey	1" = 500'	

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one inch



Year: 2022  
Source: MAXAR  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 2018  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 2016  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 2014  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610





one inch



Year: 2012  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 2010  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 2006  
Source: USDA  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 1998  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 1988  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 1983  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



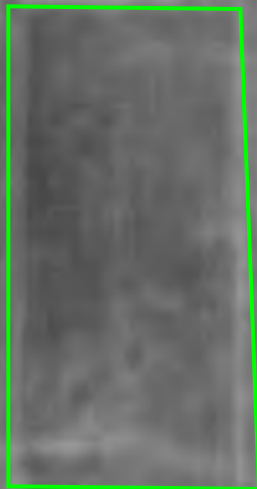
Year: 1969  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610



one inch



Year: 1958      Address: 3700 County Road 99W, Orland, CA  
Source: ASCS      Approx Center: -122.19566447,39.68417421  
Scale: 1" = 500'  
Comment: Photo Index-Best Available

Order No: 23032100610





one inch



Year: 1947  
Source: USGS  
Scale: 1" = 500'  
Comment:

Address: 3700 County Road 99W, Orland, CA  
Approx Center: -122.19566447,39.68417421

Order No: 23032100610





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# TOPOGRAPHIC MAPS

**Project Property:** Residential Property, Orland  
3700 County Road 99W  
Orland CA 95963

**Project No:** 23Ph1-Jouhal

**Requested By:** Musson Environmental & Inspection (MEI)

**Order No:** 23032100610

**Date Completed:** March 22, 2023

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2022	7.5
2018	7.5
2015	7.5
1978	7.5
1969	7.5
1951	7.5
1914	7.5
1951	15
1906	15

**Topographic Map Symbology for the maps may be available in the following documents:**

*Pre-1947*

[Page 223 of 1918 Topographic Instructions](#)

[Page 130 of 1928 Topographic Instructions](#)

*1947-2009*

[Topographic Map Symbols](#)

*2009-present*

[US Topo Map Symbols](#)

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.

No warranty of Accuracy or Liability for ERIS: The information contained in this report has been produced by ERIS Information Inc.(in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS', using Topographic Maps produced by the USGS.

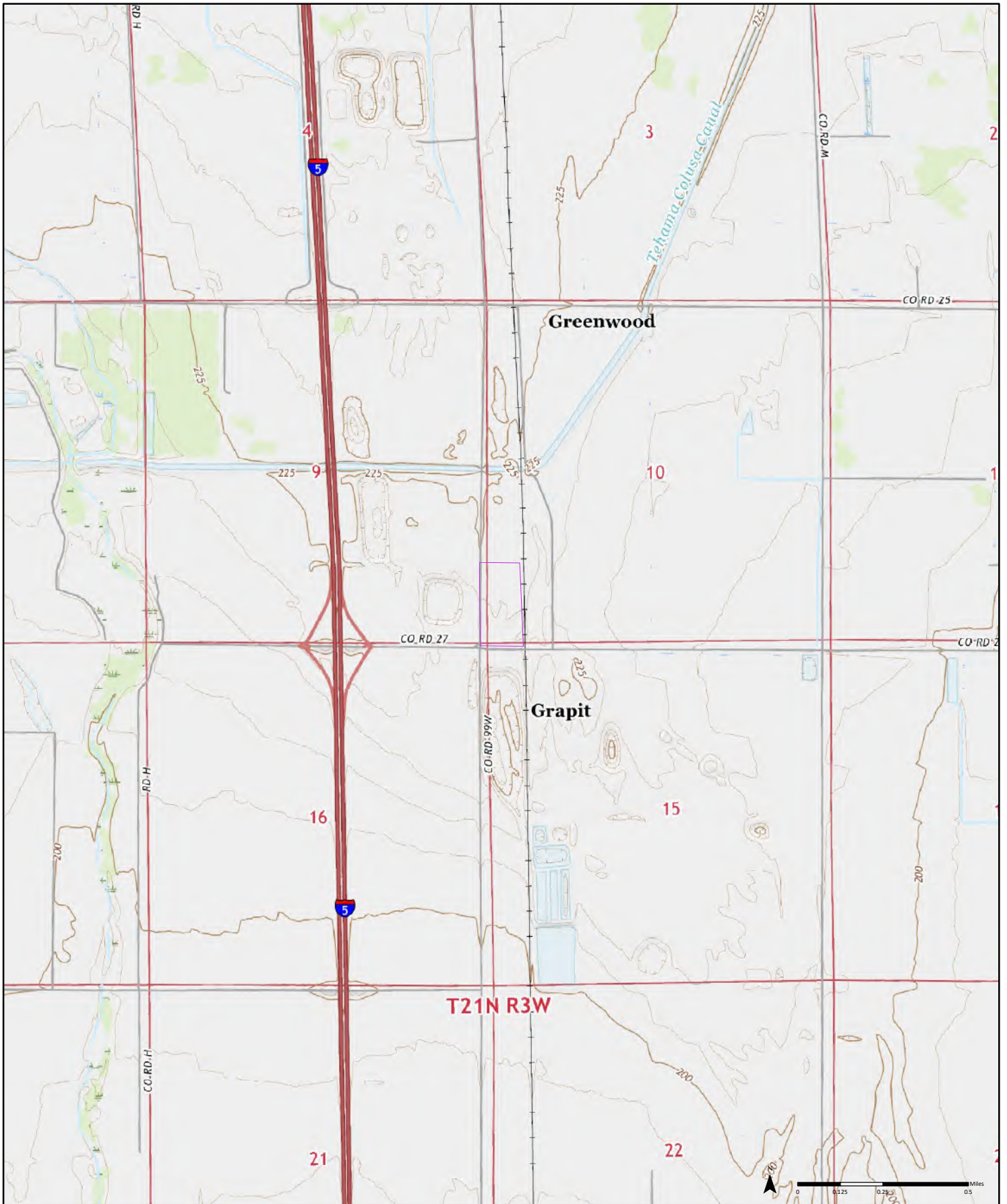
This maps contained herein does not purport to be and does not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present you with information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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**Environmental Risk Information Services**

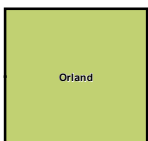
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**2022**

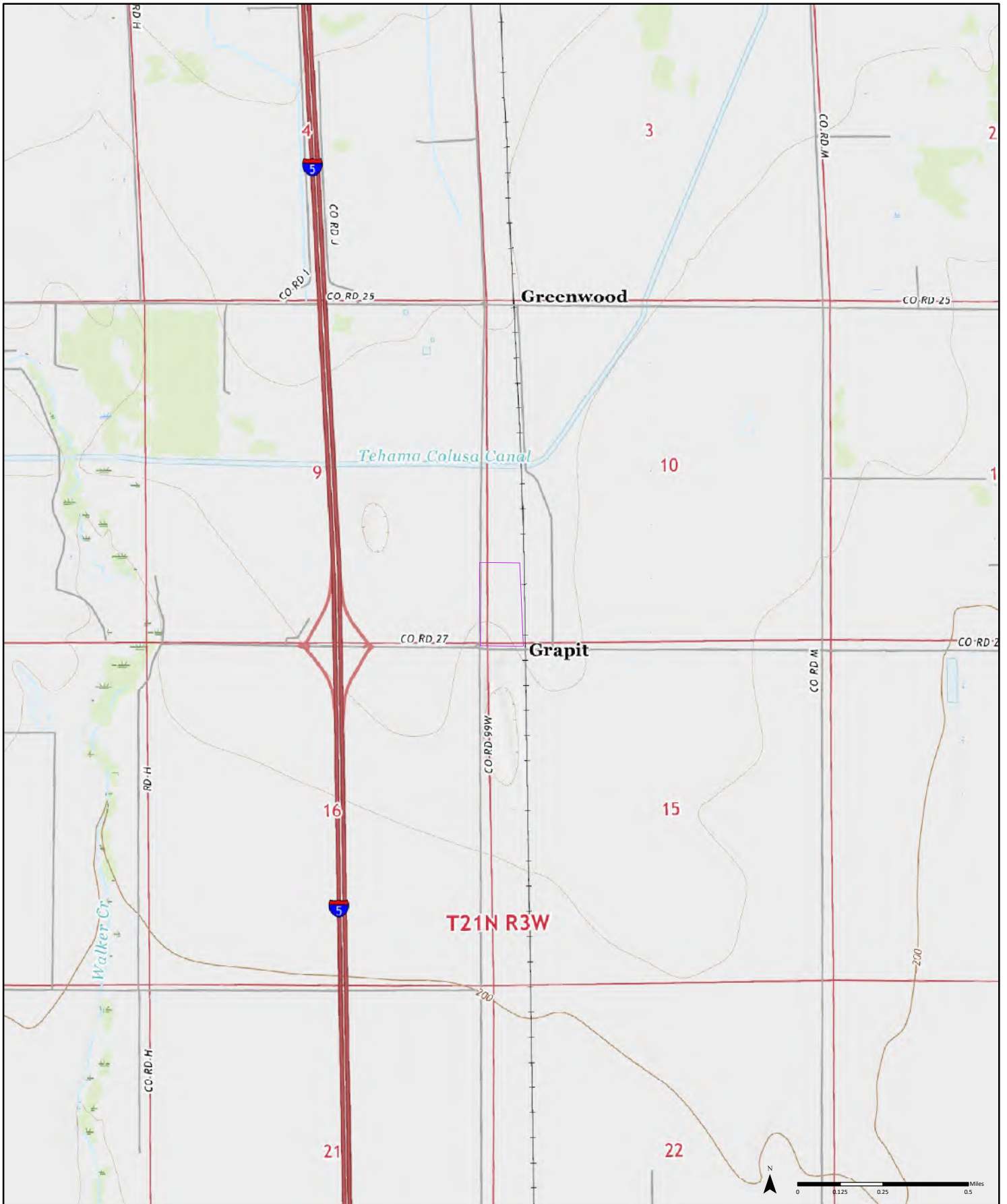
Order No. 23032100610



Available Quadrangle(s): Orland, CA

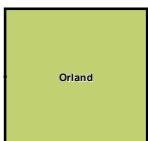
Source: USGS 7.5 Minute Topographic Map





2018

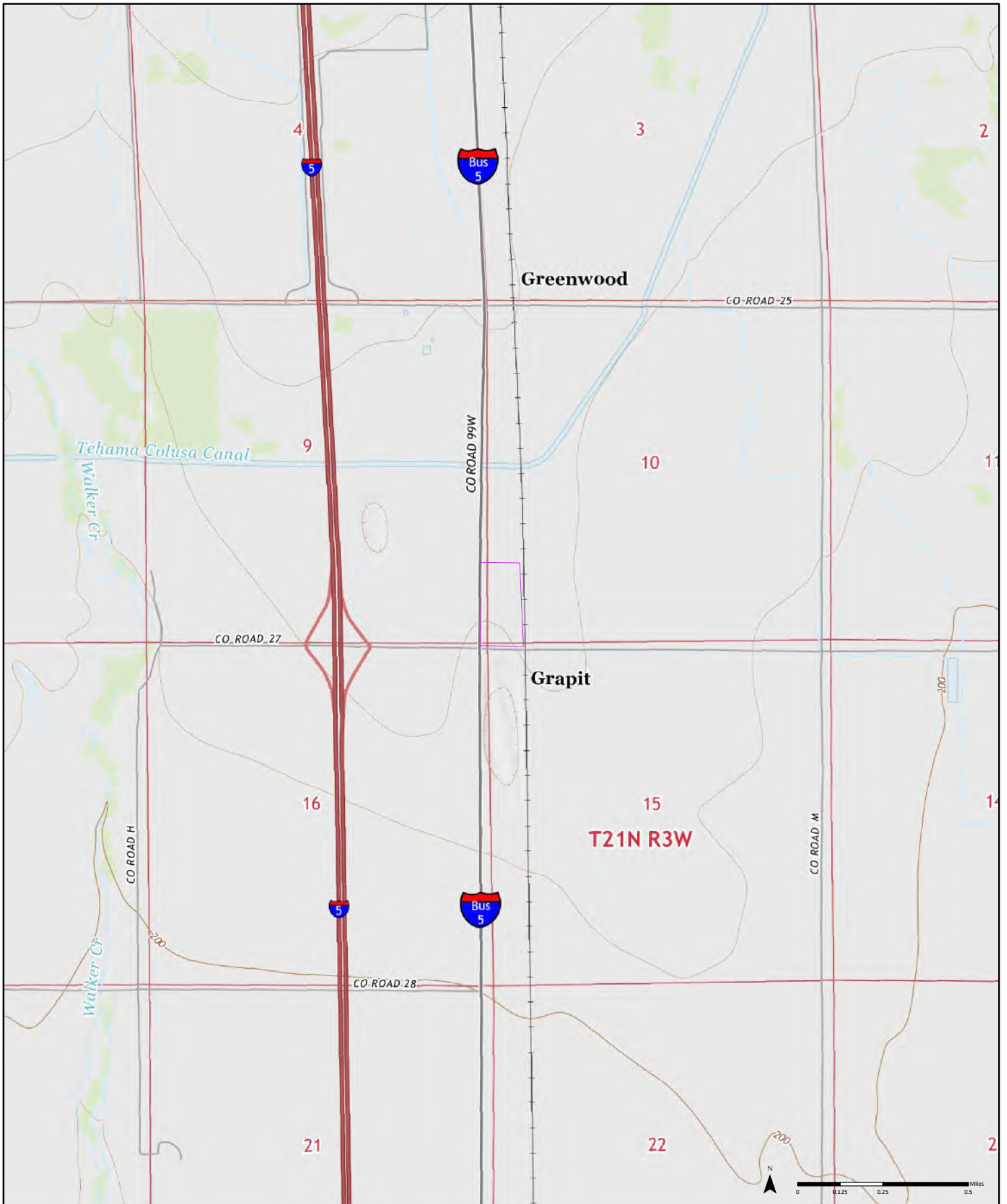
Order No. 23032100610



Available Quadrangle(s): Orland, CA

Source: USGS 7.5 Minute Topographic Map





Order No. 23032100610

**2015**

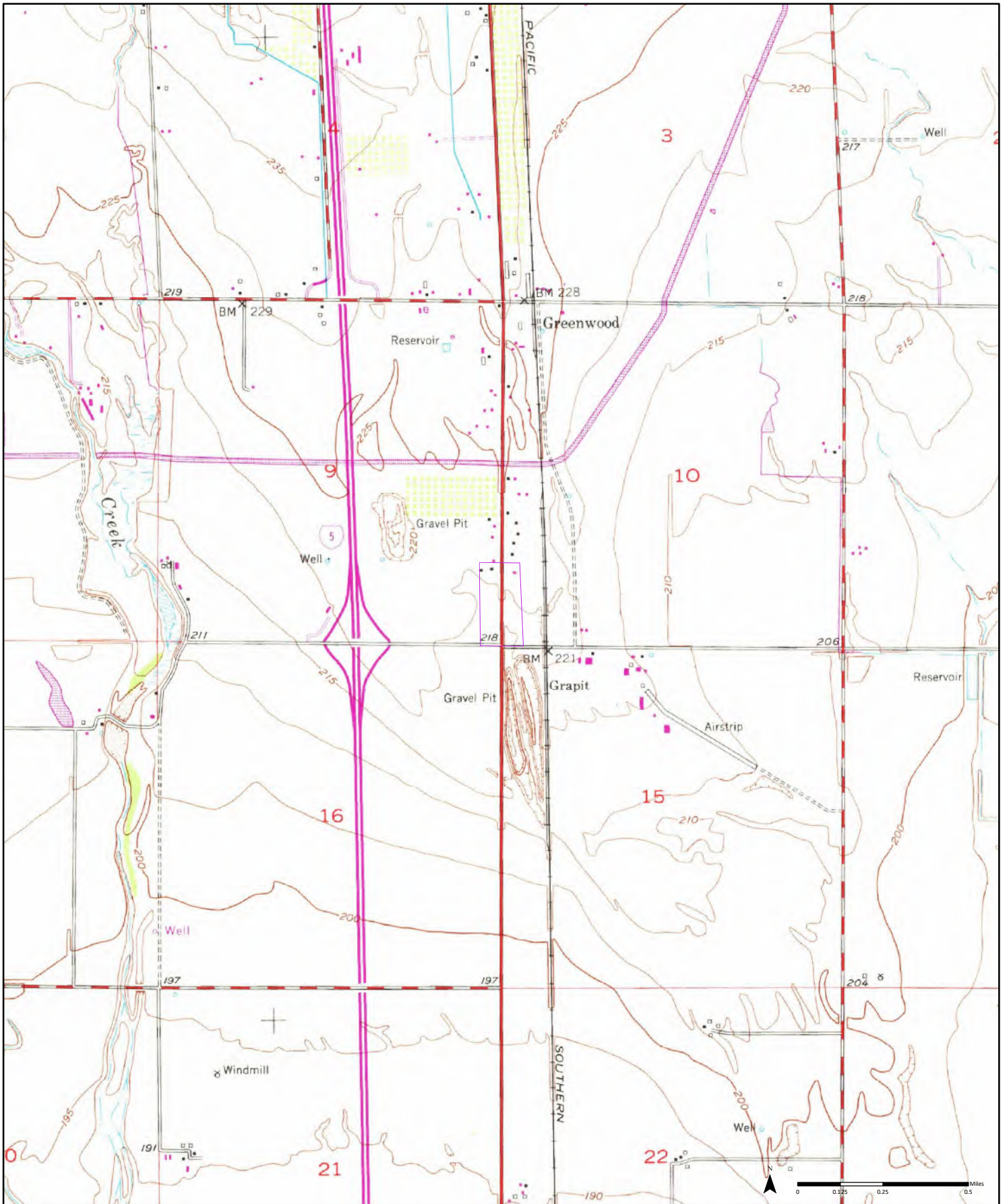


Available Quadrangle(s): Orland, CA

Orland



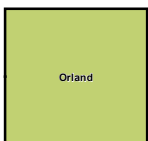
Source: USGS 7.5 Minute Topographic Map



1978

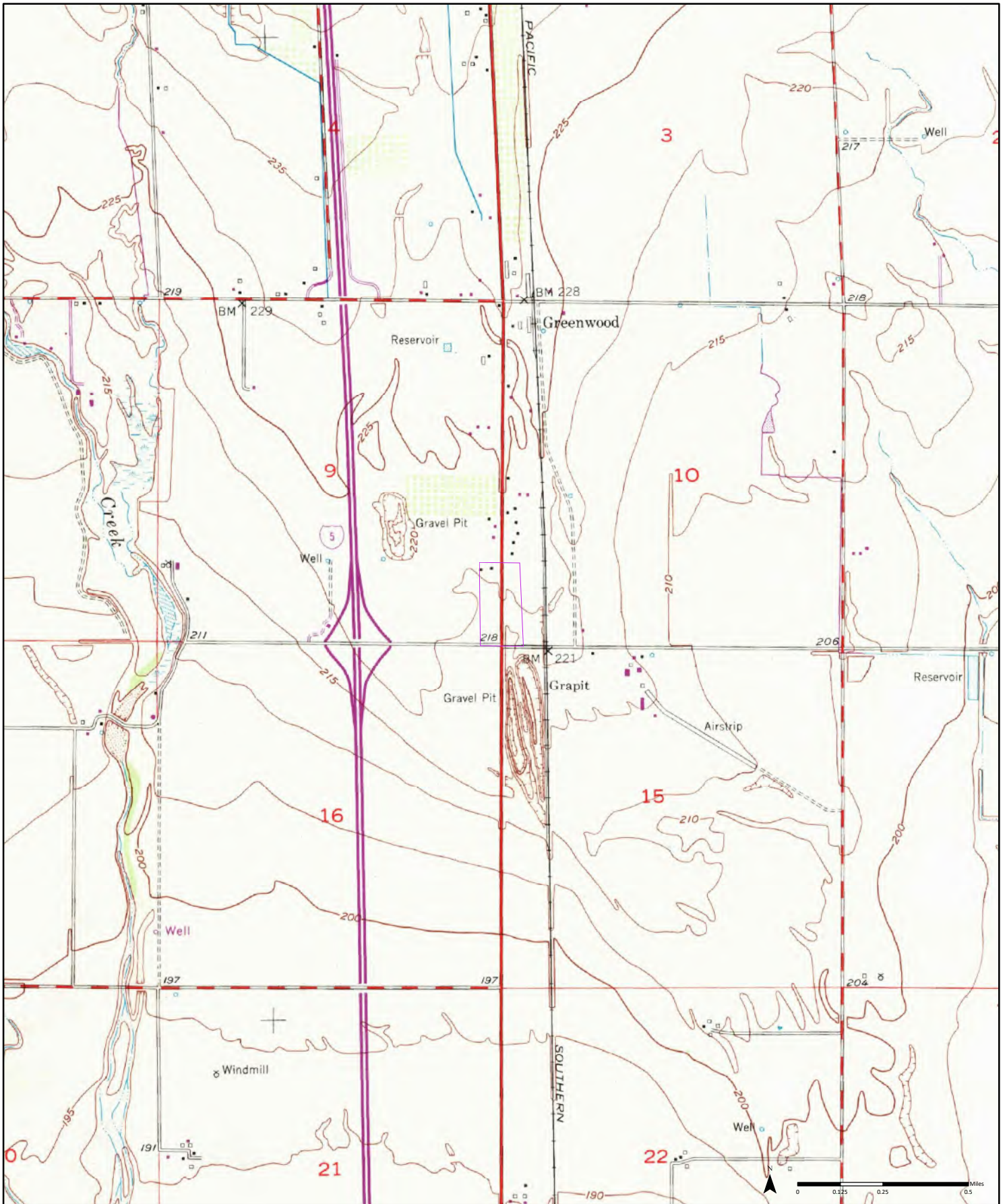
(1-1978)  
 Aerial Photo Year: 1975  
 Photo Revision Year: 1978

Order No. 23032100610



Available Quadrangle(s): Orland, CA(1-1978)

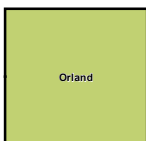




1969

(1-1969)  
 Aerial Photo Year: 1969  
 Photo Revision Year: 1969

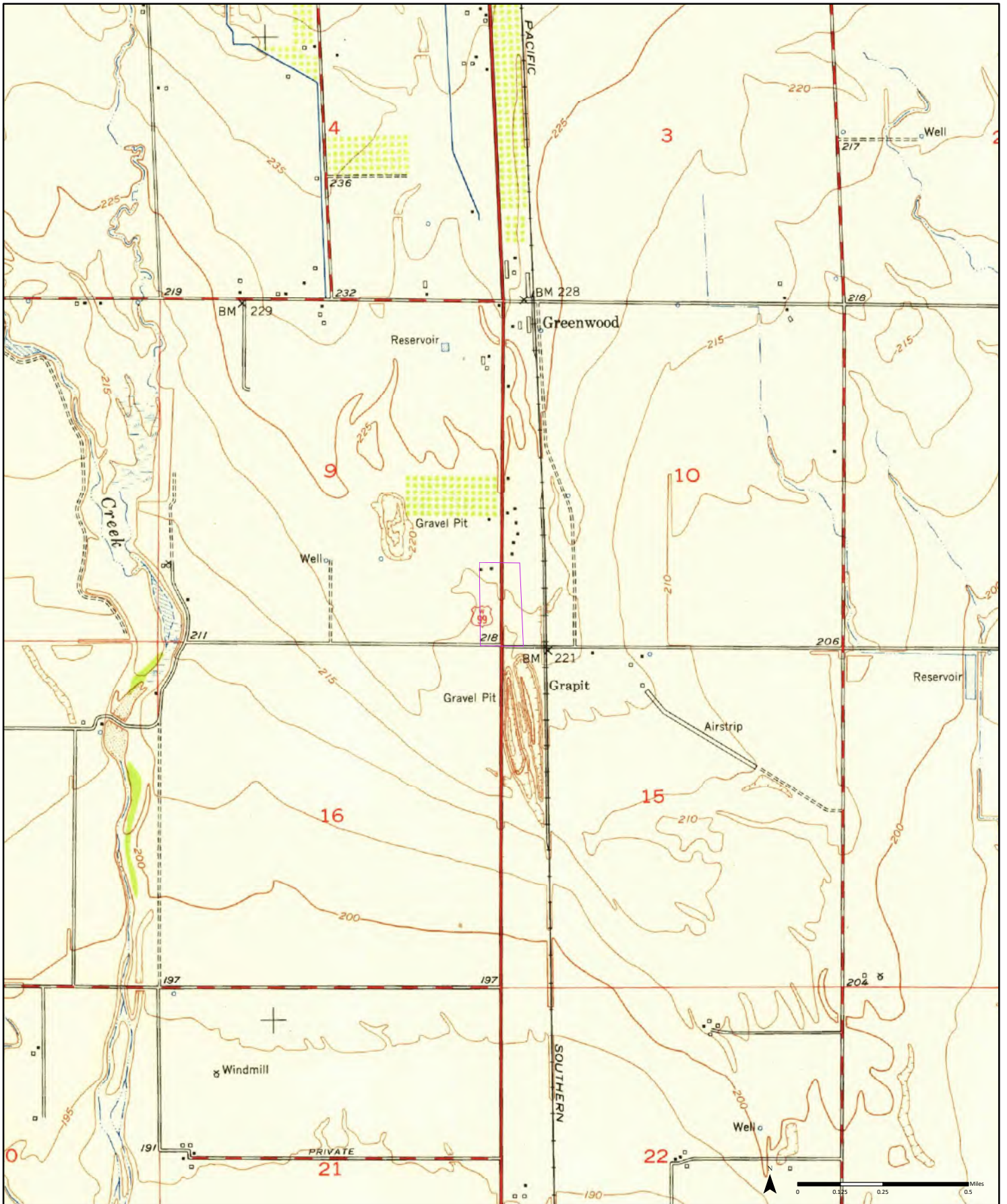
Order No. 23032100610



Available Quadrangle(s): Orland, CA(1-1969)



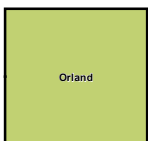




1951

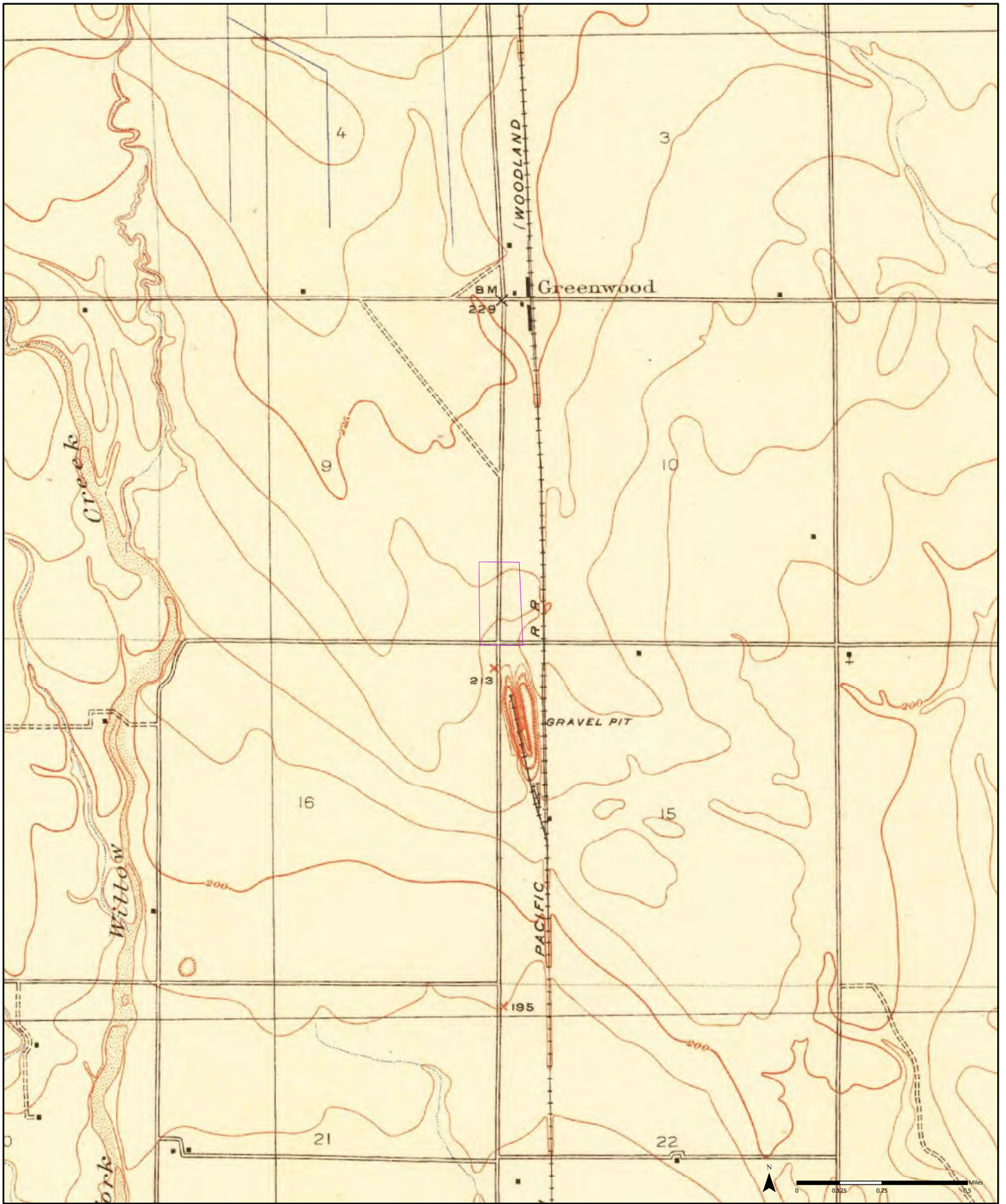
(1-1951)  
Aerial Photo Year: 1947

Order No. 23032100610



Available Quadrangle(s): Orland, CA(1-1951)





Order No. 23032100610

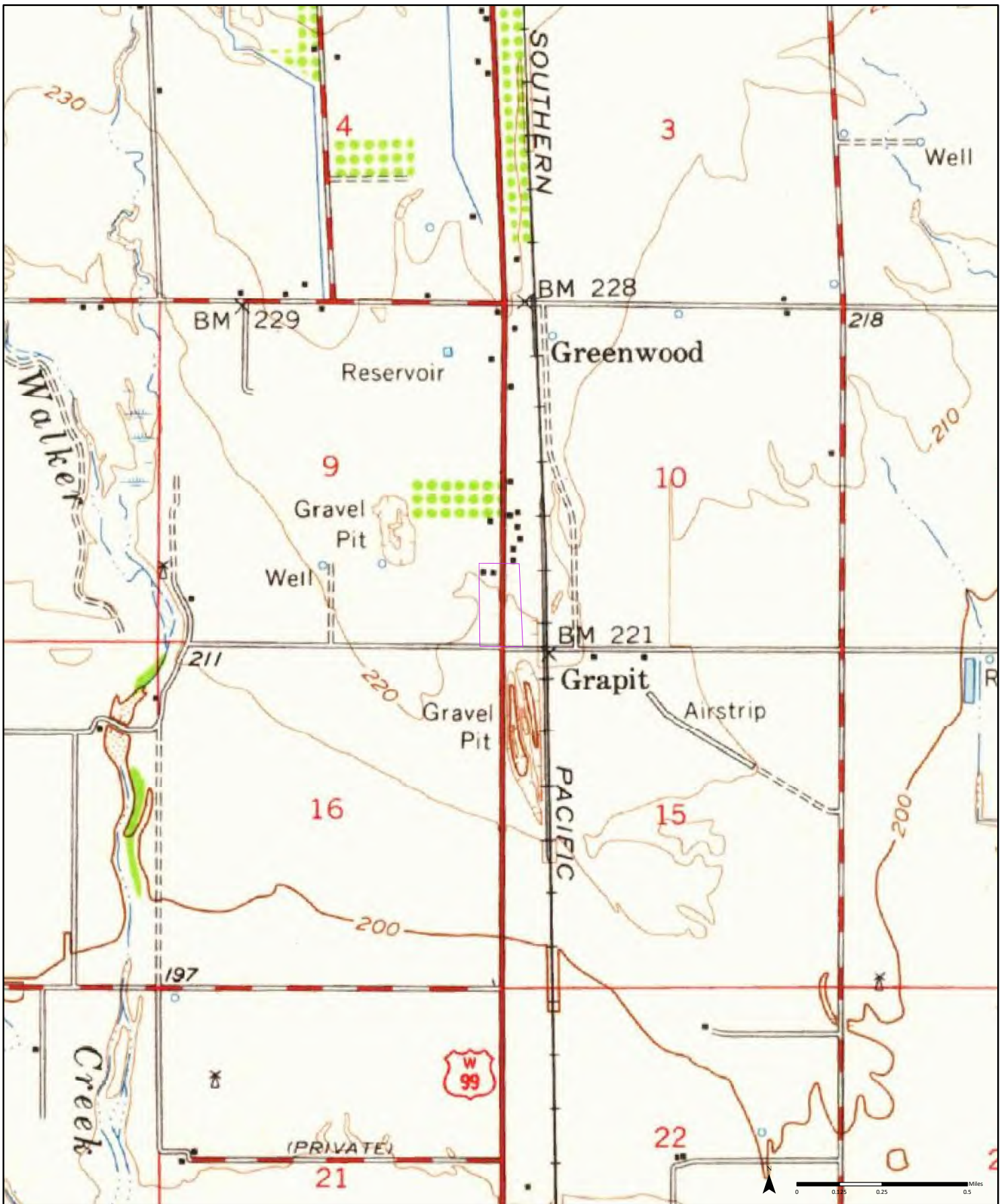
1914



Available Quadrangle(s): Orland, CA



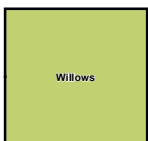
Source: USGS 7.5 Minute Topographic Map



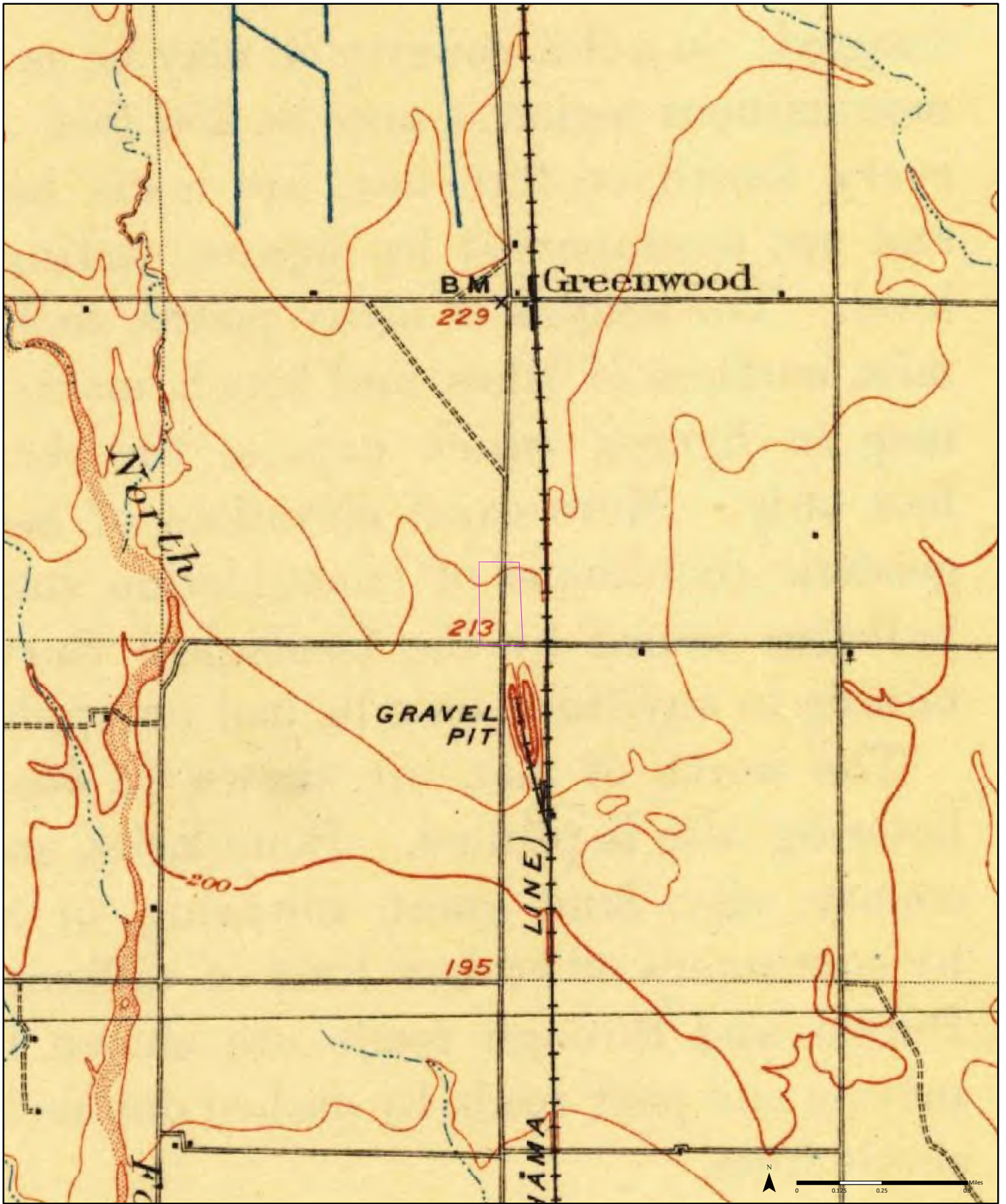
1951

(1-1951)  
Aerial Photo Year: 1947

Order No. 23032100610



Available Quadrangle(s): Willows, CA(1-1951)



1906

Order No. 23032100610



Available Quadrangle(s): Willows, CA

Source: USGS 15 Minute Topographic Map





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CITY  
**DIRECTORY**

**Project Property:** *Residential Property, Orland  
3700 County Road 99W  
Orland, CA 95963*

**Project No:** *23Ph1-Jouhal*

**Requested By:** *Musson Environmental & Inspection (MEI)*

**Order No:** *23032100610*

**Date Completed:** *March 27, 2023*

**Environmental Risk Information Services**

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March 27, 2023  
RE: CITY DIRECTORY RESEARCH  
3700 County Road 99W  
Orland,CA 95963

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

**Search Criteria:**

6200-6800 of County Road 27  
3000-4000 of County Road 99W

**Search Notes:**

## Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000-01	HAINES	
1995-96	HAINES	
1990	HAINES	
1985	HAINES	

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6480 ORCHARD MACHINERY...MACHINERY-NEW (WHLS)  
 6480 ORCHARD MACHINERY...CONTRACTORS-EQUIP/SUPLS-DLRS/SVC (WHLS)  
 6480 STEVE WILLS TRUCKING...TRUCKING  
 6505 ORLAND ARTOIS WATER DISTRICT...IRRIGATION COMPANIES  
 6505 ORLAND ARTOIS WATER DISTRICT...WATER & SEWAGE COMPANIES-UTILITY  
 6545 DANIEL VANDERDUSSEN...RESIDENTIAL

3400 SANDRA ROMANO...RESIDENTIAL  
 3681 GREENWOOD MINI STORAGE...RECREATIONAL VEHICLES-STORAGE  
 3681 GREENWOOD MINI STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL  
 3705 REES PHIPPS...RESIDENTIAL  
 3712 DOG HOUSE...PET WASHING & GROOMING  
 3714 ARLIN BARRON...RESIDENTIAL  
 3714 MARIAN BARRON...RESIDENTIAL  
 3722 ARMANDO SANCHEZ...RESIDENTIAL  
 3723 GOLD COUNTRY HYDRIC HOSE INC...ENGINEERS-MANUFACTURING  
 3723 GOLD COUNTRY HYDRIC HOSE INC...ENGINEERS-MANUFACTURING  
 3760 NORTHERN MECHANICAL & EQPT...FARM EQUIPMENT-REPAIRING & PARTS  
 3771 EDWARD FREYSLABEN...RESIDENTIAL  
 3772 RACKLEY CO INC...CRANE SERVICE  
 3772 RACKLEY CO INC...STEEL ERECTORS  
 3778 KRAEMER & CO MFG INC...SAFETY EQUIPMENT & CLOTHING (WHLS)  
 3778 KRAEMER & CO MFG INC...EXPORTERS (WHLS)  
 3778 KRAEMER & CO MFG INC...WELDING EQUIPMENT & SUPPLIES (WHLS)  
 3778 KRAEMER & CO MFG INC...BUILDINGS-METAL-MANUFACTURERS  
 3778 KRAEMER CO MFG INC...BUILDINGS-METAL-MANUFACTURERS  
 3820 WASTE TIRE PRODUCT...FEDERAL GOVERNMENT CONTRACTORS  
 3820 WASTE TIRE PRODUCT...RECYCLING CENTERS (WHLS)  
 3825 ORLAND AUTO WRECKERS...AUTOMOBILE DISMANTLING/RECYCLING (WHLS)  
 3825 ORLAND PUBLIC AUTO AUCTION...AUCTIONEERS  
 3863 GLENN MYERS...RESIDENTIAL  
 3868 PARADISE MOTOR SPORTS...AUTOMOBILE REPAIRING & SERVICE  
 3877 MARIE LACQUE...RESIDENTIAL  
 3877 ORLAND LIVESTOCK COMMISSION...AUCTIONEERS  
 3877 ORLAND LIVESTOCK COMMISSION...APPRAISERS  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE PARTSUSED & REBUILT (WHLS)  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE DISMANTLING/RECYCLING (WHLS)  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE REPAIRING & SERVICE  
 3953 DOROTHY ESHENBRENNER...RESIDENTIAL  
 3973 DAVID STILWELL...RESIDENTIAL



6331 KAREN HANSEN...RESIDENTIAL  
 6480 STEVE WILLS TRUCKING...TRUCKING  
 6505 ORLAND ARTOIS WATER DISTRICT...WATER & SEWAGE COMPANIES-UTILITY  
 6505 ORLAND ARTOIS WATER DISTRICT...IRRIGATION COMPANIES  
 6545 SOPHIA VANDER DUSSEN...RESIDENTIAL

3400 BRANDON ROMANO...RESIDENTIAL  
 3681 GREENWOOD MINI STORAGE...RECREATIONAL VEHICLES-STORAGE  
 3681 GREENWOOD MINI STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL  
 3705 REES PHIPPS...RESIDENTIAL  
 3712 DOG HOUSE...PET WASHING & GROOMING  
 3714 ARLIN BARRON...RESIDENTIAL  
 3722 ARMANDO SANCHEZ...RESIDENTIAL  
 3722 CRISTINA SANCHEZ...RESIDENTIAL  
 3722 OFELIA CUESTAS...RESIDENTIAL  
 3723 GOLD COUNTRY HYDRIC HOSE INC...ENGINEERS-MANUFACTURING  
 3760 NORTHERN MECHANICAL & EQPT...FARM EQUIPMENT-REPAIRING & PARTS  
 3771 EDWARD FREYSLABEN...RESIDENTIAL  
 3772 RACKLEY CO INC...STEEL ERECTORS  
 3778 KRAEMER & CO MFG INC...SAFETY EQUIPMENT & CLOTHING (WHLs)  
 3778 KRAEMER & CO MFG INC...EXPORTERS (WHLs)  
 3778 KRAEMER & CO MFG INC...BUILDINGS-METAL-MANUFACTURERS  
 3778 KRAEMER & CO MFG INC...WELDING EQUIPMENT & SUPPLIES (WHLs)  
 3820 WASTE TIRE PRODUCT...FEDERAL GOVERNMENT CONTRACTORS  
 3820 WASTE TIRE PRODUCT...RECYCLING CENTERS (WHLs)  
 3825 ORLAND AUTO WRECKERS...AUTOMOBILE DISMANTLING/RECYCLING (WHLs)  
 3825 ORLAND PUBLIC AUTO AUCTION...AUCTIONEERS  
 3863 GLENN MYERS...RESIDENTIAL  
 3877 MARIE LACQUE...RESIDENTIAL  
 3877 ORLAND LIVESTOCK COMMISSION...AUCTIONEERS  
 3877 ORLAND LIVESTOCK COMMISSION...APPRAISERS  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE PARTSUSED & REBUILT (WHLs)  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE DISMANTLING/RECYCLING (WHLs)  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE REPAIRING & SERVICE  
 3953 DOROTHY ESHENBRENNER...RESIDENTIAL  
 3973 DAVID STILWELL...RESIDENTIAL  
 3979 MIRIAM MIRANDA...RESIDENTIAL

6331 KAREN HANSEN...RESIDENTIAL  
 6352 JANE PATTON...RESIDENTIAL  
 6480 JIM AARTMAN...RESTAURANTS  
 6480 STEVE WILLS TRUCKING...TRUCKING  
 6505 ORLAND ARTOIS WATER DISTRICT...WATER & SEWAGE COMPANIES-UTILITY  
 6545 DANIEL VANDERDUSSEN...RESIDENTIAL  
 6545 SOPHIA VANDER DUSSEN...RESIDENTIAL

3400 BRANDON ROMANO...RESIDENTIAL  
 3400 BRIANNE ROMANO...RESIDENTIAL  
 3400 SANDRA ROMANO...RESIDENTIAL  
 3681 GREENWOOD MINI STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL  
 3681 GREENWOOD MINI STORAGE...RECREATIONAL VEHICLES-STORAGE  
 3705 REES PHIPPS...RESIDENTIAL  
 3712 DOG HOUSE...PET WASHING & GROOMING  
 3714 ARLIN BARRON...RESIDENTIAL  
 3714 MARIAN BARRON...RESIDENTIAL  
 3722 ARMANDO SANCHEZ...RESIDENTIAL  
 3722 CRISTINA SANCHEZ...RESIDENTIAL  
 3722 OFELIA CUESTAS...RESIDENTIAL  
 3722 ZONIA SANCHEZ...RESIDENTIAL  
 3760 NORTHERN MECHANICAL & EQPT...FARM EQUIPMENT-REPAIRING & PARTS  
 3767 FMR SERVICES...CONTRACTORS-ENGINEERING GENERAL  
 3771 EDWARD FREYSLABEN...RESIDENTIAL  
 3771 HOWARD FREYSLABEN...RESIDENTIAL  
 3771 JUNE FREYSLABEN...RESIDENTIAL  
 3772 RACKLEY CO INC...STEEL ERECTORS  
 3778 KRAEMER & CO MFG INC...BUILDINGS-METAL-MANUFACTURERS  
 3778 KRAEMER & CO MFG INC...WELDING EQUIPMENT & SUPPLIES (WHLS)  
 3796 AMERICAN TOWER CORP...TELECOMMUNICATIONS SERVICES  
 3820 WASTE TIRE PRODUCT...RECYCLING CENTERS (WHLS)  
 3825 ORLAND AUTO WRECKERS...AUTOMOBILE DISMANTLING/RECYCLING (WHLS)  
 3825 ORLAND PUBLIC AUTO AUCTION...AUCTIONEERS  
 3877 MARIE LACQUE...RESIDENTIAL  
 3877 ORLAND LIVESTOCK COMMISSION...AUCTIONEERS  
 3877 ORLAND LIVESTOCK COMMN YD INC...AUCTIONEERS  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE PARTS & SUPPLIES-RETAIL-NEW  
 3948 PARTS R US AUTO & TRUCK...AUTOMOBILE DISMANTLING/RECYCLING (WHLS)  
 3953 DOROTHY ESHENBRENNER...RESIDENTIAL  
 3973 DAVID STILWELL...RESIDENTIAL  
 3973 VALERIE STILWELL...RESIDENTIAL  
 3979 MIRIAM MIRANDA...RESIDENTIAL

6352 JANE PATTON...RESIDENTIAL  
 6352 KEVIN PATTON...RESIDENTIAL  
 6470 INTERSTATE DISTRIBUTOR CO...TRUCKING  
 6480 JIM AARTMAN INC...TRUCKING  
 6545 S VANDERDUSSEN...RESIDENTIAL  
 6545 SOPHIA VANDERDUSSEN...RESIDENTIAL

3136 RICHARD DUGGINS...RESIDENTIAL  
 3600 CLARA REHSE...RESIDENTIAL  
 3600 MICHAEL REHSE...RESIDENTIAL  
 3681 GREENWOOD MINI STORAGE...RECREATIONAL VEHICLES-STORAGE  
 3700 FELICIA HERNANDEZ...RESIDENTIAL  
 3705 REES PHIPPS...RESIDENTIAL  
 3712 DOG HOUSE...PET WASHING & GROOMING  
 3714 FUZZY BARRON...RESIDENTIAL  
 3714 MARIAN BARRON...RESIDENTIAL  
 3715 UNITED BANK PRODUCTS...LANDSCAPING EQUIPMENT & SUPPLIES  
 3732 CORY ESPINO...RESIDENTIAL  
 3744 CHARLES DAVIS...RESIDENTIAL  
 3760 NORTHERN MECHANICAL & EQPT...FARM EQUIPMENT-REPAIRING & PARTS  
 3767 FMR SVC...CONTRACTORS-ENGINEERING GENERAL  
 3771 HOWARD FREYSLABEN...RESIDENTIAL  
 3771 JUNE FREYSLABEN...RESIDENTIAL  
 3778 F KRAEMER...RESIDENTIAL  
 3778 KRAEMER & CO MFG INC...BUILDINGS-METAL-MANUFACTURERS  
 3783 ANTONIO GARCIA...RESIDENTIAL  
 3783 EDUARDO GARCIA...RESIDENTIAL  
 3783 JUAN GARCIA...RESIDENTIAL  
 3783 MARIA GARCIA...RESIDENTIAL  
 3825 ORLAND AUTO WRECKERS...AUTOMOBILE PARTS-USED & REBUILT (WHLS)  
 3852 SILVEIRA AUTO WRECKING...AUTOMOBILE WRECKING (WHLS)  
 3852 TRUDY SILVEIRA...RESIDENTIAL  
 3948 SURPLUS STEEL & PIPE...STEEL-DISTRIBUTORS & WAREHOUSES (WHLS)  
 3973 DAVID STILWELL...RESIDENTIAL  
 3973 VALERIE STILWELL...RESIDENTIAL  
 3979 JOS. QUAIL...RESIDENTIAL  
 3979 VIVIAN QUAIL...RESIDENTIAL

6352 PAUL LEWIS...RESIDENTIAL  
 6404 MOBILE HOMES 4 LESS...PREFAB WOOD BLDS  
 6404 MOBILEHOMES 4 LESS...BUILDINGS-PRE-CUT PREFAB & MODLR-MFRS  
 6470 INTERSTATE DISTRIBUTION CO...TRUCKING OPERATOR-NONLOCAL  
 6470 INTERSTATE DISTRIBUTOR CO...TRUCKING  
 6480 AARTMAN TRANSPORT INC...TRUCKING OPERATOR-NONLOCAL  
 6480 GOLDEN COAST...LOCAL TRUCKING,W/O STR  
 6480 JIM AARTMAN INC...TRUCKING  
 6540 ALVIN E REHSE...RESIDENTIAL  
 6540 MARTIN VERBOOM...RESIDENTIAL

3600 MIKE REHSE...RESIDENTIAL  
 3681 GREENWOOD MINI STORAGE...WAREHOUSING SELF STOR  
 3681 GREENWOOD MINI STORAGE...STORAGE-HOUSEHOLD & COMMERCIAL  
 3705 REES & KATHRYN C Phipps...RESIDENTIAL  
 3712 A D BARRON...RESIDENTIAL  
 3712 DOG HOUSE...GROOMING SVCS PETS  
 3714 DOG HOUSE...PET WASHING & GROOMING  
 3722 JAMES CELAYA...RESIDENTIAL  
 3732 A L ZARAGOSA...RESIDENTIAL  
 3744 CHARLES DAVIS...RESIDENTIAL  
 3760 VEHICLE SPRING SVC...SPRINGS-AUTOMOTIVE-SALES & SERVICE  
 3760 VEHICLE SPRING SVC...MOTOR VH PARTS, ACC  
 3771 ED & JUNE FREYSLABEN...RESIDENTIAL  
 3778 KRAEMER & CO MFG INC...PREFAB METAL BLD  
 3778 KRAEMER & CO MFG INC...BUILDINGS-METAL-MANUFACTURERS  
 3783 ANTONIO GARCIA...RESIDENTIAL  
 3783 ARTURO VENEGAS...RESIDENTIAL  
 3783 HECTOR ALVAREZ...RESIDENTIAL  
 3783 SHASTA NURSEY INC...WHOL FLOWERS/FLORIST SUPPLIES  
 3783 SHASTA PACKING CO...FLOWERS,NURSERY STOCK  
 3783 SHASTA PACKING CO...NURSERIES-PLANTS TREES & ETC-WHOLESALE  
 3825 ORLAND AUTO WRECKERS...MOTOR VH USED PARTS  
 3825 ORLAND PUBLIC AUTO AUCTION...USED CAR DEALERS  
 3825 ORLAND PUBLIC AUTO AUCTION...AUTOMOBILE DEALERS-USED CARS  
 3852 SILVEIRA AUTO WRECKING...RET USED MERCHANDISE  
 3852 SILVEIRA HAY BALING & SWATHING...CROP PREPARATION FOR MARKET  
 3852 SILVEIRA HAY BALING & SWATHING...ANIMAL FEEDS  
 3868 ROBERT J SILVEIRA...RESIDENTIAL  
 3873 ED LACQUE...RESIDENTIAL  
 3877 MARIE LACQUE...RESIDENTIAL  
 3915 DAVID & SHARON FERRASCI...RESIDENTIAL  
 3948 NORTH STATE SALVAGE POOL...BUSINESS SERVICES NEC  
 3948 NORTH STATE SALVAGE POOL...BUSINESS SVS NEC  
 3948 PARTS R US DISMANTLERS...MOTOR VH USED PARTS  
 3948 PARTS RUS DISMANTLERS...WHOL USED AUTO PARTS  
 3948 SURPLUS STEEL & PIPE...IRON,STEEL,FERR PDTS  
 3948 SURPLUS STEEL & PIPE...STEEL-DISTRIBUTORS & WAREHOUSES  
 3973 CHARLEE STILWELL...RESIDENTIAL  
 3973 DAVID W STILWELL...RESIDENTIAL  
 3979 JOSEPH & VIVIAN L QUAIL...RESIDENTIAL  
 3992 M D BARNS...WHOL CONSTRUCTION MATERIALS  
 3992 M D BARNS & BUILDINGS...HORSE & REL EQUINES  
 3992 M D BARNS & BUILDINGS...HORSE BREEDERS

6404 MOBILE HOMES 4 LESS  
6470 INTERSTATE DISTRIBUTOR CO  
6480 JIM AARTMAN INC  
6505 ORLAND-ARTOIS WATER DIST  
6569 SHULL CONSTRUCTION

3681 GREENWOOD MINI STORAGE  
3714 DOG HOUSE  
3715 UNITED BANK PRODUCTS  
3718 B & D CONSTRUCTION  
3778 KRAEMER & CO MFG INC...*PREFABRICATED METAL BUILDINGS*  
3783 SHASTA PACKING CO  
3820 WASTE TIRE PRODUCT  
3852 SILVEIRA AUTO WRECKING...*AUTOMOTIVE PARTS AND SUPPLIES, USED*  
3852 SILVEIRA HAY BALING & SWATHING  
3877 ORLAND LIVESTOCK COMMISSION...*PERSONAL SERVICE AGENTS,  
BROKERS, AND BUREAUS*  
3901 ORLAND AUTO AUCTION SVC...*PERSONAL SERVICE AGENTS, BROKERS, AND  
BUREAUS*  
3948 PARTS R US DISMANTLERS  
3992 M D BARNS & BUILDINGS

# CO RD 27 95963 ORLAND

6352	LEWIS Paul	530-865-8666	6
6470	* INTERSTATE DISTRIBUTION CO	530-865-7268	+0
	* INTERSTATE DISTRIBUTOR CO	530-865-2499	+0
6480	* IRVIN WILLIAM TRUCKING	530-865-8631	9
	* ORLAND TRUCK&TRAILER REPAIR	530-865-8631	9
	* ORLAND TRUCK&TRAILER REPAIR	530-865-8632	9
6540	REHSE Alvin E	530-865-3781	5
6569	* SHULL CONSTRUCTION	530-865-8879	8
6924	CANADAS Donald B	530-865-3862	9
	FICHER Cecy	530-865-3862	8
7005	CLARK Dave	530-865-5898	7
	CLARK Glenda	530-865-5898	7
7021	BIRD Larry D	530-865-9143	9
7043	BAILEY Martin W	530-865-2224	8
7583	LAWRENCE Julio	530-865-2048	5
NO #	* GREENWOOD MINI STRG	530-865-4133	
NO #	* ORLAND-ARTOIS WATER DIST	530-865-4304	
	* 8 BUS 9 RES 2 NEW		

340 0 BUS 12 RES 6 NEW

# CO RD 99 95963 ORLAND

2591	DEL Pape R J	530-934-2036	9
3765	PHIPPS Kathryn L PHIPPS Rees C	530-865-2506 530-865-2506	5 5
3712	BARRON A D Fuzzy	530-865-4543	6
3714	* DOG HOUSE THE	530-865-3367	6
3722	CELAYA James	530-865-8022	6
3723	* L&W STONE CORP * L&W STONE CORP	530-865-5085 530-865-0174	9 +0
3744	DAVIS Charles	530-865-5962	6
3771	FREYSLABEN Ed FREYSLABEN June	530-865-8056 530-865-8056	5 5
3772	* RACKLEY COMPANY INC	530-865-9619	5
3778	* KRAEMER&CO MFG INC	530-865-7982	5
3783	ALVAREZ Hector * SHASTA PACKING CO	530-865-4153 530-865-5726	8 7
	VENEGAS Arturo	530-865-8953	+0
3786	HERNANDEZ Guzman F	530-865-5275	8
3791	HARDWICK Randy L	530-865-7837	+0
3852	* SILVEIRA ATO WRCKNG * SILVEIRA HAY BALING	530-865-4196 530-865-4196	5 5
3868	SILVEIRA Robt J	530-865-2732	5
3873	LACQUE Ed	530-865-3556	6
3877	LACQUE Marie * ORLAND LIVESTOCK CMSN YARD INC	530-865-3408 530-865-4527	7 7
3901	METZ F * NATIONAL AUCTION SERVICES	530-865-0394 530-865-3900	+0 +0
3915	WILDER Charles D WILDER Charles D	530-865-5401 530-865-0363	9 +0
3973	STILWELL David W	530-865-9655	5
3979	QUAIL Joseph L QUAIL Vrvian	530-865-3300 530-865-3300	5 5
4019	* RAYS BAR&GRILL	530-865-5600	8
4021	WARD Harold L	530-865-2190	5
4025	* WARDS LUMBER CO HAR	530-865-5555	6
4081	LACQUE S C LACUE Samantha	530-865-9878 530-865-8679	7 +0
4082	* HIWAY TRUCK&AUTO	530-865-9700	9
4176	LOWMAN Darla LOWMAN Frank	530-865-7514 530-865-7514	5 5
4178	* NORTH STATE RV SERVICE CENTER * U-HAUL CO INDEP DEALERS	530-865-3010 530-865-7328	7 9
4223	INZUNZA Nicolas	530-865-2844	5
4237	BARCELOUX Leo T	530-865-3260	5

OF  
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 634:

CO RD 23
NO # YANCY Melvin
0 BUS 24 RES

CO RD 24 95951 HAMILTON CITY

7628 AHUMADA Alberto
7912 KAISER Andrew F
7916 GALLO Gerald
7918 KAISER Coyle

CO RD 24 96118 LOYALTON

NO # SIERRA CO SUPVRS
1 BUS 0 RES

CO RD 24 95963 ORLAND

6306 BEAVER Kandy
6314 BEAVER Robert
6358 ADAMS Jeanette W
ADAMS Wm A
6386 BURRIS D B
6390 SMITH Dave

CO RD 25 95963 ORLAND

6259 GONSALVES DAIRY
6261 CASTILLO Benjamin
6265 SIMAR Cheryl
SIMAR Walter Jr

CO RD 27 95963 ORLAND

6331 FLYNN John
FLYNN Rene
6480 NORTH ST RV SERVICE

95963 CONT.
6540 REHSE Alvin E
REHSE Harry
6599 PAVLYK Frank J
6924 CANADAS Becky

CO RD 28 95963 ORLAND

6126 MAPES Neil
LOWDEN Jim
6331 LOWDEN Sandi

CO RD 29 95913 ARTOIS

7749 LOHSE Ann
LOHSE John
7751 LOHSE Otto E
7752 LOHSE William Mrs

CO RD 29 95943 GLENN

8045 GARCIA David
GARCIA David
GARCIA Debbie
GARCIA Debbie

CO RD 30 95913 ARTOIS

5827 LOHSE Walter
5913 LOHSE Allen
LOHSE Judy
6756 VANTOL Bridgette

CO RD 30 95943 GLENN

8169 ROLLER John
0 BUS 1 RES 1 NEW

CO RD 30 95963 ORLAND

7168 SAMHAMMER Julie
SAMHAMMER Peter
7178 OVERTON Irma
OVERTON Robert E

CO RD 30&ONE HALF 95963 ORLAND

8125 BRUCKENSTEIN Mark
BRUCKENSTEIN Sheri
0 BUS 2 NEW

CO RD 31 95913 ARTOIS

6467 MAGHAN Dan E
7567 LOHSE Marvin
7648 RODRIGUEZ Maria

CO RD 31 95943 GLENN

NO # KNIGHT RANCHES INC
NO # SCOTT Delbert
NO # SCOTT Sonia

CO RD 32 95943 GLENN

7863 JOHNSON Michal
7910 MATHEISON Oliver L
7954 WEEMS FEED CO

CO RD 32 95988 WILLOWS

8153 BLECH Reinhold
0 BUS 1 RES 1 NEW

CO RD 32&ONE HALF 95963 ORLAND

7866 LEE GREGORY B
7875 RICE RESEARCHRS INC
7885 GLENN COLUSA IRRGTRN
7954 WEEMS Dean

CO RD 33 95913 ARTOIS

6300 POZZI Mary
6302 SHMOES Frank
6311 HEYREND Paul
6540 MONTNA FARMS DRYER

CO RD 62 95988 WILLOWS

6087 DANLEY N Cernon
6142 STEPHEN Theod
6183 SPOONER Josh
SPOONER L B

CO RD 63 95920 BUTTE CITY

8423 GAINES Bob Jr
GAINES Shari J
NO # PEREZ Francisco

CO RD 64 95920 BUTTE CITY

7866 WELLER Elwood
WELLER ELWOOD SHOP
7877 CHRISTENSEN T
8003 DILLARD Wm L

CO RD 65 95920 BUTTE CITY

7830 PUSTEJOVSKY David
7851 MARIN Tony
7860 PERRY Edw
7979 OSSENBRUGGERS George

CO RD 65 95970 PRINCETON

8041 SCHMIDT David
0 BUS 1 RES 1 NEW

CO RD 65 95988 WILLOWS

5771 HANKS G A
HAMER Salvador
NO # JANOS Andrew C
NO # JANOS Gerda

CO RD 66 95920 BUTTE CITY

7919 KOEHN Prindle
7950 VINNLE Ernest J
7996 GIBBS Julie
8056 GIESBRECHT David Jr

CO RD 67 95920 BUTTE CITY

8901 BECK Kathy
BECK Leroy
9263 KELLETT Jay A
SCHWAB Chas R

CO RD 68 95988 WILLOWS

6080 BEDFORD Wm K
6090 WYLIE Gordon W
6330 COLE Margaret Ann
6332 MOHR Kenneth B

CO RD 69 95920 BUTTE CITY

NO # ROMERO David Shop
NO # ZWALD RANCH SHOP
1 BUS 1 RES 0 NEW

CO RD 69 95988 WILLOWS

5334 OWENS W R
5827 LOGAN Hugh E
5960 POLIT John
0 BUS 3 RES 3 NEW

CO RD 99 95913 ARTOIS

2351 CRABTREE C R
2365 BURNET James L
2410 ROBLES Sigfredo
WILSON Char J

CO RD 99 95963 ORLAND

3700 KERNEY Freddie
WAITS Louie
3705 PHIPPS Kathryn L
PHIPPS Rees C

CO RD 99 95988 WILLOWS

3772 RACKLEY COMPANY INC
3778 KRAEMERCO MFG INC
3794 BRACKER A D
3798 DOG HOUSE THE

3250 FACHECO Brian
3852 SILVEIRA AUTO WRACKNG
3863 MYERS Glenn
3868 SILVEIRA Robt J

4265 ORLAND MBL HM
ADAMS Ari
BARRY Wayne
BURBANK Betty Jean

4263 SCHELLHOUSS Roger
HUNTER J
4582 APARTMENTS
CAZARES Mario A

4582 BALLARD Vernon
4669 MCVEIGH R M
4675 LAPP Bonnie
LAPP Chris

4710 MCKENZIE Fred V
4738 MCGEE Arthur
4750 AUSTIN Stanley J
4760 ABBOTT Carl

4856 GORDON Dovie
GORDON Joyce C
4900 OLNEY REGGIE
4918 PEREIRA Edw

NO # ABBOTT CABINET CO
NO # ABBOTT Omer L
NO # ALSTON GI
NO # ARLYS AUTO SERVICE

NO # ARLYS TOWING SRV
NO # ARLYS TOWING&TO SV
NO # ASHLEY Arlo D
NO # BUCKES FEED&GRAIN

NO # BUCKNER William M
NO # BURNETT Geo A
NO # ESPINOZA Rafael
NO # HUNTER JES WEST

NO # GARCIA Alonzo
NO # GARCIA Antonio
NO # GARCIA Javier
NO # GARDNERS FROSTY

NO # GATLIN Harold
NO # GNAGEY Lawrence
NO # HOWARD Cheryl
NO # HOWARD CHERYL

NO # HOWARD David
NO # HUMANE SOCIETY TOWN
NO # HUSKISSON Jerry L
NO # J H FEED

NO # JAMES John
NO # JAMES Joyce
NO # JOHNSON Oscar
NO # LACQUE Marie

NO # LACQUE S C
NO # MILITARY MDSE
NO # ORLAND LIVESTOCK

NO # SHASTA PACKING CO
NO # SKIDMORE FARMS WOOD
NO # STONYCREEK DSMTLRS
NO # URRUTIA Felipe

# CO RD 27 95963 ORLAND

- NO # BAILEY Martin W 865-2841
- NO # BIRD Carolyn 865-8388
- NO # BIRD Larry 865-8388 9
- NO # CANADAS Becky 865-3862
- NO # CANADAS Donald B 865-3862
- NO # \*DESIREES PLACE 865-7601 9
- NO # \*GREENWOOD MINI STRG 865-4133 9
- NO # \*GREENWOOD MINI STRG 865-2686
- NO # HAMANN Waldo 865-7281 +0
- NO # \*INLAND KENWORTH INC 865-9583
- NO # KREPELKA Frank 865-2048
- NO # LAWRENCE Julio 865-4304
- NO # \*ORLAND ARTOIS WATER 865-3781
- NO # REHSE Alvin E 865-3694
- NO # REHSE Harry 865-2213 9
- NO # \*SANCLEMENTE LIMO 865-8295
- NO # WADE Eric 865-8295 9
- NO # WADE Joanne 1 NEW

5 BUS 12 RES

# CO RD 28 95963 ORLAND

# THE HAINES DIRECTORY

CO RD 68	95965 CONT	CO RD 99	95963 CONT
NO # *EAM GROWERS INC 934-4427	NO # PERHEL E T 865-3822	NO # PENNELL D H 865-7034	NO # PENNELLS 865-2822
NO # MILLER Milton L 934-4935	NO # PEREIRA Edw 865-2977	NO # PEREIRA Edw L 865-2505	NO # Phipps Res L 865-3300
NO # MOHR Kenneth W 934-4118	NO # PHEARRIS Coy J 865-2925	NO # Phipps Res L 865-3300	NO # QUAIL Jos L 865-3300
NO # VOLKMAN Chris A 934-4610	NO # Phipps Res L 865-3300	NO # QUAIL Vivian 865-3300	NO # RICO Diana J 865-9225
NO # PERATI Jack 934-4174	NO # Phipps Res L 865-3300	NO # RICO Diana J 865-9225	NO # ROBERTS Aline 865-2522
NO # WALKER Allen 934-3665	NO # Phipps Res L 865-3300	NO # ROBERTSON Fred E 865-8342	NO # SCHAELHOUS Roger 865-4096
NO # WALKER Peggy 934-3665	NO # Phipps Res L 865-3300	NO # SHADY OAKS TAVERN 865-8286	NO # SHASTA PACKING CO 865-5726
NO # WYLLIE Gordon B 934-3673	NO # Phipps Res L 865-3300	NO # SHASTA AUTO WRCKG 865-9155	NO # SILVEIRA HAY BALING 865-4196
* 1 BUS 12 RES 0 NEW			
CO RD 69 95920 BUTTE CITY			
NO # ROMERO David 982-2135			
NO # VOLKMAN Chris A 982-2001			
NO # WITHROW Cathy 982-2290			
NO # WITHROW Ron 982-2290			
NO # *ZWALD RANCH SHOP 982-2104			
* 1 BUS 5 RES 0 NEW			
CO RD 69 95988 WILLOWS			
NO # LOGAN Hugh E 934-4358			
NO # OWENS W R 934-3682			
NO # POLIT John 934-3514			
* 0 BUS 3 RES 0 NEW			
CO RD 99 95913 ARTOIS			
NO # *ARTOIS MARKET 934-7223			
NO # BRIDGES Rosemary 934-4418 +0			
NO # BRIDGES Terry 934-3922			
NO # CAVIER Jack Jr 934-2283			
NO # DANIELS Herbert 934-2283			
NO # DAY Kenneth L 934-4575			
NO # GERALD C D 934-3227			
NO # GRIGSBY Jim 934-4277			
NO # LOPEZ Scott W 934-2499 +0			
NO # MACHADO Joe F Jr 934-2684			
NO # MAGUDDO Nancy 934-2684			
NO # PEAKE Ebon P 934-4812			
NO # PFEFFER Art 934-7104			
NO # REIMANN Frank Jr 934-5691			
NO # *US POSTAL SERVICE 934-7891			
* 2 BUS 13 RES 3 NEW			
CO RD 99 95963 ORLAND			
NO # *ABBOTT CABINET CO 865-5368			
NO # ABBOTT Carl 865-5711			
NO # ABBOTT Mary 865-5711			
NO # ABBOTT Omer L 865-7166			
NO # ADAMS Art 865-3448			
NO # ADAMS Richard 865-5111 +0			
NO # ALSTON Gil 865-9093 +0			
NO # ALSTON John 865-9093 +0			
NO # ALSTON Mitchel 865-9093 +0			
NO # ANDERSON Gene Rev 865-7361 +0			
NO # ARCHER D 865-4988			
NO # *ARLYS AUTO SERVICE 865-5644			
NO # ARLYS TOWING SERV 865-9801			
NO # ASHLEY Arlo 865-9497			
NO # SHIRLEY Lynn 865-9497			
NO # AUSTIN Stanley J 865-4951			
NO # AVILA John 865-4392			
NO # BAKMAS Marion 865-9874			
NO # BALLARD Vernon 865-9885			
NO # BARCELONA Leo T 865-3260			
NO # BARLETTA Hannah 865-7746			
NO # BARLETTA Louie 865-7746 9			
NO # BARLETTAS AUTO BODY 865-7796 +0			
NO # BARNON D 865-7290 +0			
NO # BRYANT M K Jr 865-4201 7			
NO # *BUCKES FEEDGRAIN 865-4427			
NO # BUCKES William M 865-2924			
NO # BURBANK Betty Jean 865-3945			
NO # BURKE Victor L 865-4981 +0			
NO # BURNETT Geo A 865-9498			
NO # BURR Lucille 865-2326			
NO # CARRELL A R 865-4932			
NO # CELAYA Hector M 865-4038			
NO # CELAYA Jane 865-5832			
NO # CLARK 865-2901			
NO # *DAD AUTOMOTIVE 865-7336 7			
NO # *DALTONS 865-4142			
NO # DAVIS Charles 865-5962 7			
NO # EVERSOLE E E 865-3848			
NO # EVERSOLE Ruth 865-5011			
NO # FORBES Henry 865-5011			
NO # GARCIA Antonio 865-9775 +0			
NO # GARCIA Maria 865-2541 +0			
NO # GARDNER Frosty 865-7041			
NO # GATLIN Harold W 865-7161			
NO # GEHRING John 865-4562			
NO # GILHAM Henry M Sr 865-2012 +0			
NO # GORDON Anna 865-7041			
NO # GORDON John 865-7041			
NO # GREEN Arvin F 865-3947			
NO # *GREEN GARDEN PROCTS 865-5665 7			
NO # *GREENWOOD MBL GLASS 865-2223 9			
NO # HANSEN Dennis 865-2386			
NO # HANSEN Stuart 865-3472			
NO # HEATH Ronald 865-9741			
NO # HERVEY H P 865-3482 9			
NO # HOSKING Robert 865-7035 8			
NO # HUBBARD Ernest 865-3180			
NO # HUGHES Eileen 865-3180			
NO # HUGHES Irvin 865-3116			
NO # *HUFFMAN FEED 865-2906			
NO # HUSKISSON Jerry L 865-7007 +0			
NO # JAMES Jesse M 865-3177			
NO # JAMES Norma 865-3177			
NO # JOHNSON Betty 865-9300			
NO # JOHNSON Oscar 865-9300			
NO # KASSIK A 865-7507			
NO # KERNEY Freddie 865-9571			
NO # KIRBY Aloysia M 865-5094			
NO # KRAEMER J 865-5747 7			
NO # KRAEMER Jerry 865-7522			
NO # LACQUE Ed 865-3556			
NO # LACQUE Marie 865-3408			
NO # LACQUE S C 865-9678			
NO # *LAND OFFICE REALTY 865-4186			
NO # LATHROP Keith 865-9161 9			
NO # *LEES AUTO DSMNTLNG 865-9593			
NO # LEWIS Austie H 865-7465			
NO # LOEFFLER Henry G 865-5024 8			
NO # LOONEY J M 865-5749 9			
NO # MARTIN Leard A 865-3878			
NO # MCGUIRE Arthur 865-7786			
NO # MCKENNA Fred V 865-9735			
NO # MCGUIRE R M 865-9166			
NO # *MILITARY MOSE 865-3895 7			
NO # MILLER Jerald J 865-5665			
NO # MOORE Webb 865-5720			
NO # MORRIS Diane 865-7636 +0			
NO # MORRIS Jim 865-7636 +0			
NO # MYERS Glenn 865-7723 +0			
NO # *NATL FRIGHT DSTB INC 865-7677 8			
NO # NOBLE Anna 865-5615			
NO # NOBLE Charles 865-5615			
NO # *NOBLE ENGINE REBLDR 865-5615			
NO # *NOBLE EQUIPMENT SLS 865-5615			
NO # NORBERG B 865-2319 +0			
NO # OGLESBY Donald 865-5371			
NO # OLNEY Ragpie 865-3804			
NO # *ORLAND LIVESTOCK 865-5277			
NO # *ORLAND MBL HMARV PK 865-2402			
NO # PACHECO Brian 865-8154 +0			
NO # *PARTS R US DSMNTLRS 865-5618 7			
NO # PERHEL E T 924-3035			
NO # ARMENTROUT M 924-3035			
NO # BLUE GUM RESTAURANT 924-5401			
NO # BREUSS Edw B 924-7678			
NO # BURKETT Charles L 924-5323 7			
NO # CRABTREE C R 924-4116			
NO # DELPARE R J 924-9837			
NO # *FEMINOS BLUE GUM 924-2981			
NO # FLOWERDEW Linda 924-2981			
NO # FLOWERDEW Michael 924-2981			
NO # *EMMIL PRODCURS 924-5559			
NO # GONZALEZ Santiago 924-5869 7			
NO # GROVE MOTEL 924-5067			
NO # HARRITT Gary DR 924-5957			
NO # HONTZ J 924-4155			
NO # *RATLIFF/DEMMEYER SHOP 924-4868			
NO # SPOONER Samuel J 924-4345			
NO # *SPESSARD Manuel 924-4950			
NO # *US INTERIOR WATER 924-7135 +0			
NO # *US INTERIOR WLDLF 924-7135 +0			
NO # *US INTR FISHAWLDLF 924-7977 6			
NO # *US INTR NATL WLDLF 924-2801 7			
NO # *VALLEY PETROLEUM 924-3123			
NO # WILSON Jerry 924-7286			
NO # WILSON Jim G 924-7286			
NO # WILSON Karen 924-7784			
* 12 BUS 15 RES 2 NEW			
CO RD 200 95963 ORLAND			
NO # ANDERSON Wm J Jr 865-2561 8			
NO # ANDRES Henry 865-5888			
NO # ANDRES Rosemary 865-5888			
NO # APPEL Gregory C 865-3084			
NO # AQUATIC 865-9527			
NO # BAKER Bruce 865-5423			
NO # BAKER Mary 865-5423			
NO # BARSOTT Edith A 865-5828			
NO # BLACK BUTTE MBL HME 865-4932 7			
NO # BOJE Grace 865-2789			
NO # BOLGER Jos E 865-4681			
NO # BONNEY Carter 865-7729			
NO # BOSTER Jas 865-5131			
NO # BRAKS Lisa 865-7835			
NO # BRAKE Mike 865-7835			
NO # BRISBY Ruby Gay 865-5715 +0			
NO # BRODERSON Eldora 865-9280			
NO # BROOKS C N B 865-9315			
NO # BROWN Gary 865-3683			
NO # BRUN Vincent 865-5029			
NO # BURROWS Martin 865-7478			
NO # BURTON Maurice 865-3277			
NO # BYKER Roy 865-9443			
NO # CARDOZA Jean C 865-5703 9			
NO # CHERRY Leona M 865-5393			
NO # CARROLL R D 865-2423			
NO # CAVINS Jerry R 865-3537 +0			
NO # CHAVEZ Salvador 865-4887			
NO # CHEMONS INDUS INC 865-4179			
NO # CIMIS PROJECT 865-2607			
NO # CONNER Wm M 865-7241			
NO # COOK Kathy 865-9710			
NO # COOK Steven 865-9742			
NO # COOKS Maynard 865-9742			
NO # COOPER Patricia 865-9742			
NO # COOPER Virgil 865-9742			
NO # *COOPERATIVE EXTENSN 865-4887			
NO # COTTAGE ANTIQUES 865-9506			
NO # CRAKER Mary 865-7977 +0			
NO # CRAWFORD Earl J 865-9033			
NO # CRISP M A 865-4890			
NO # CRUMPTON B P 865-5853			
NO # CURTIS Della 865-5697			
NO # CURTIS Everett 865-9325			
NO # CURTSHALL Chas G Jr 865-7134 +0			
NO # DOTE Maurice 865-3902			
NO # DUERR Mark 865-4043			
NO # EAGLES Hall 865-4887			
NO # ELKIN Jas 865-9222 7			
NO # EMERY L 865-4890			
NO # ENOS Albert 865-4890			
NO # ENOS Carl 865-4890			
NO # ENOS Marie 865-4890			
NO # *FARMER ADVISORS 865-5254			
NO # FEENSTRA Hendrik 865-4846			
NO # FLOOD Lyle 865-4880			
NO # FLOOD Nellie O 865-4887			
NO # *FOUR H OFFICE 865-2811 +0			
NO # FRIAS Helen 865-4280			
NO # *GLENN CO AGRI CMSNR 865-3743			
NO # *GLENN CO BL INSPCTR 865-9181 9			
NO # *GLENN CO CONSTABLE 865-9181			
NO # *GLENN CO JURIST 865-4152 8			
NO # *GLENN CO DEPT AGR 865-4280			
NO # *GLENN CO FARM&H 865-4487			
NO # *GLENN CO ROAD DEPT 865-3227			
NO # *GLENN CO SHRFFS OFC 865-4152 8			
NO # *GLENN CO SUPVRS 865-9001			
NO # *GLENN CO WORKSHOP 865-5631 9			
NO # HANSON Carol R 865-4109 +0			



STREET NOT LISTED

STREET NOT LISTED



—  
FIRE  
INSURANCE  
MAPS

**Project Property:** Residential Property, Orland  
3700 County Road 99W  
Orland CA 95963

**Project No:** 23Ph1-Jouhal

**Requested By:** Musson Environmental & Inspection (MEI)

**Order No:** 23032100610

**Date Completed:** March 22, 2023

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**Please note that no information was found for your site or adjacent properties.**



## Property Information

Order Number: 23032100610p  
 Date Completed: March 22, 2023  
 Project Number: 23Ph1-Jouhal  
 Project Property: Residential Property, Orland  
 3700 County Road 99W Orland CA 95963  
 Coordinates:  
 Latitude: 39.68417421  
 Longitude: -122.19566447  
 UTM Northing: 4393013.76153 Meters  
 UTM Easting: 568973.524623 Meters  
 UTM Zone: UTM Zone 10S  
 Elevation: 222.67 ft  
 Slope Direction: SW

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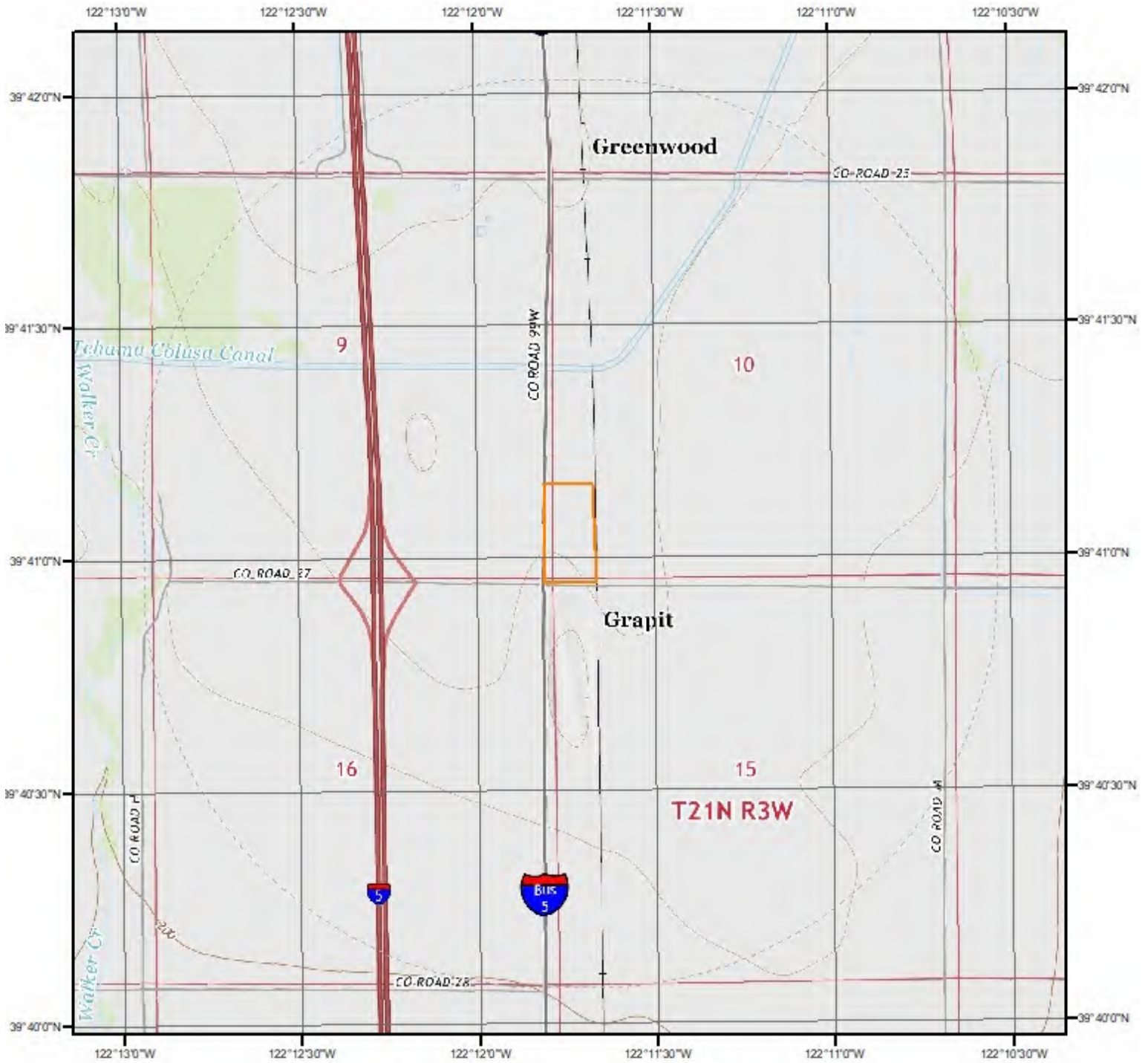
The ERIS **Physical Setting Report - PSR** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

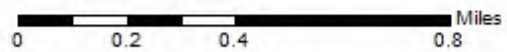
### Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

# Topographic Information



**Current USGS Topo (2015)**



Quadrangle(s): Orland, CA

Source: USGS 7.5 Minute Topographic Map

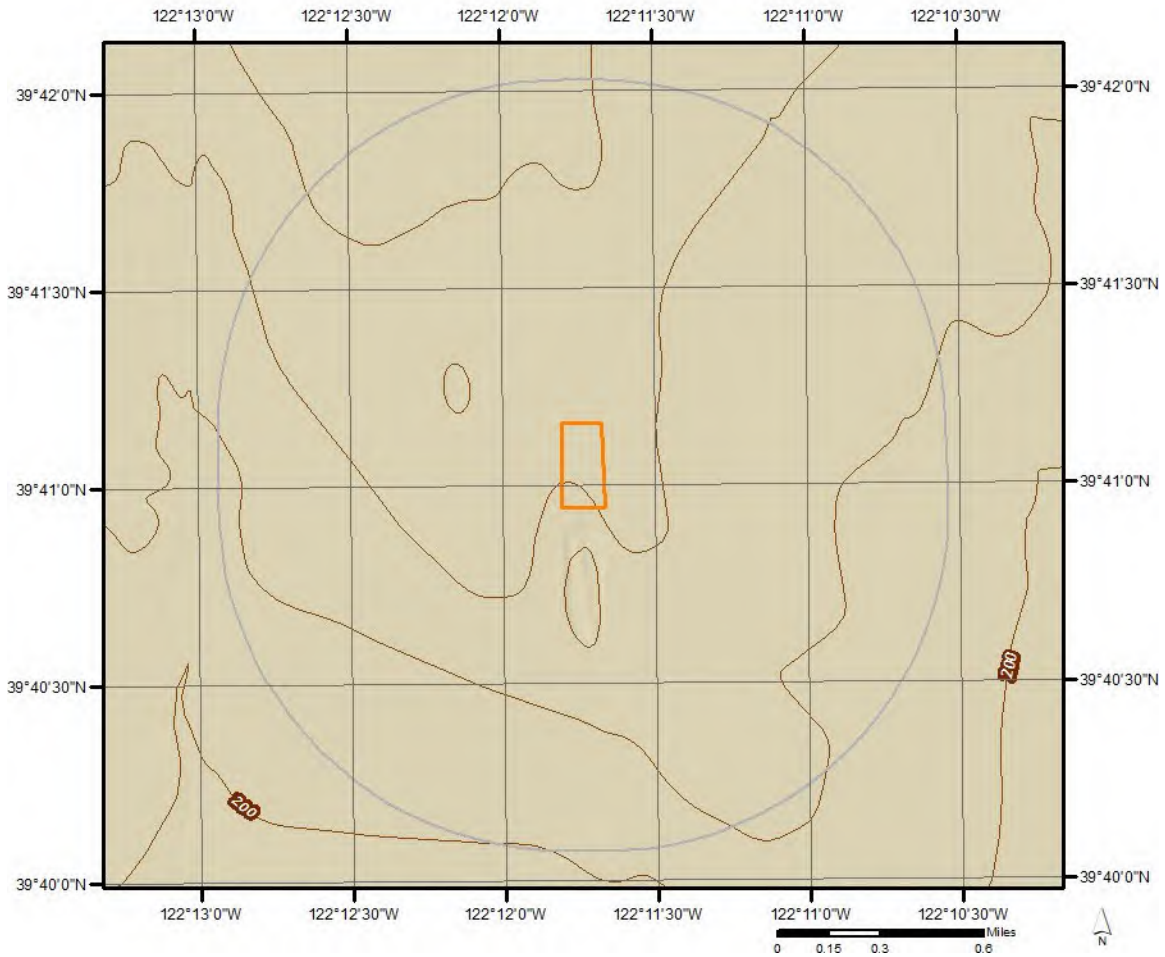


# Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

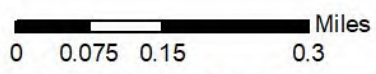
Elevation: 222.67 ft  
Slope Direction: SW









# Hydrologic Information



## Wetland

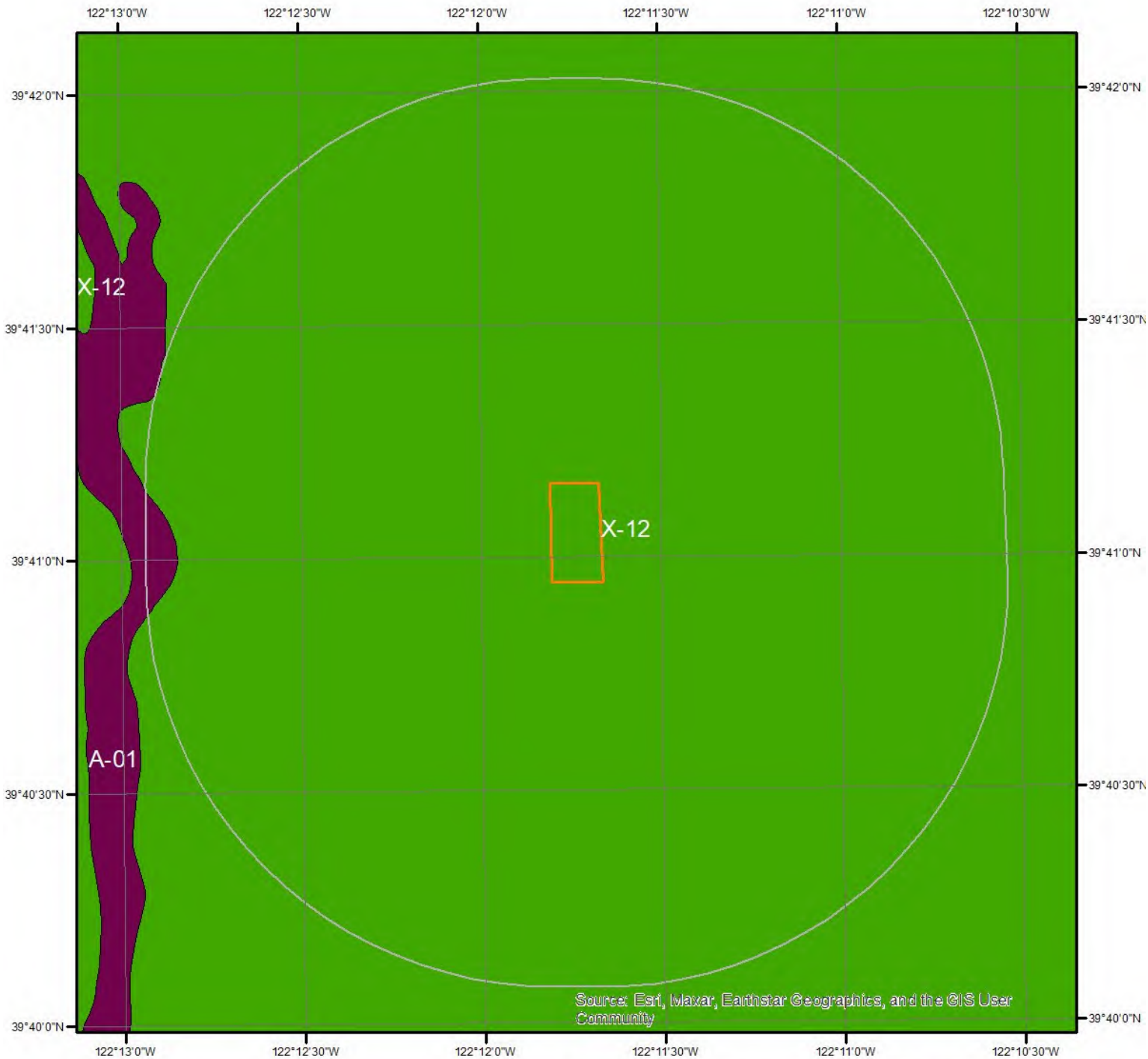


This map shows wetland existence using data from US Fish & Wildlife. Data coverage is shown to the right. Gray indicates no data available in the area.

- |   |   |
|---|---|
|  Estuarine and Marine Deepwater    |  Freshwater Pond |
|  Estuarine and Marine Wetland      |  Lake            |
|  Freshwater Emergent Wetland       |  Other           |
|  Freshwater Forested/Shrub Wetland |  Riverine        |

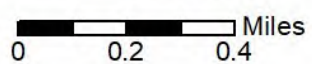


# Hydrologic Information




Source: Esri, Imagar, Earthstar Geographics, and the GIS User Community

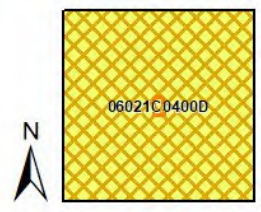
## Flood Hazard Zones



This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

		
<b>A</b>	<b>AO</b>	<b>X</b>
		
<b>A99</b>	<b>V</b>	<b>OPEN WATER</b>
		
<b>AE</b>	<b>VE</b>	<b>NOT POPULATED</b>
		
<b>AH</b>	<b>D</b>	<b>AREA NOT INCLUDED</b>

Quadrangle(s): Orland, CA



## Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below. For detailed Zone descriptions please click the link: <https://floodadvocate.com/fema-zone-definitions>

---

Available FIRM Panels in area: 06021C0400D(effective:2010-08-05)

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### Flood Zone A-01

Zone: A

Zone subtype:

---

### Flood Zone X-12

Zone: X

Zone subtype: AREA OF MINIMAL FLOOD HAZARD

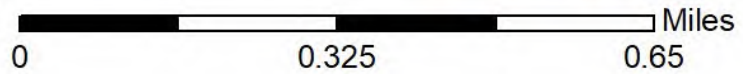
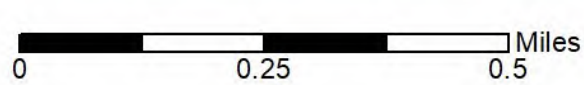


# Geologic Information



## Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.



## Geologic Information

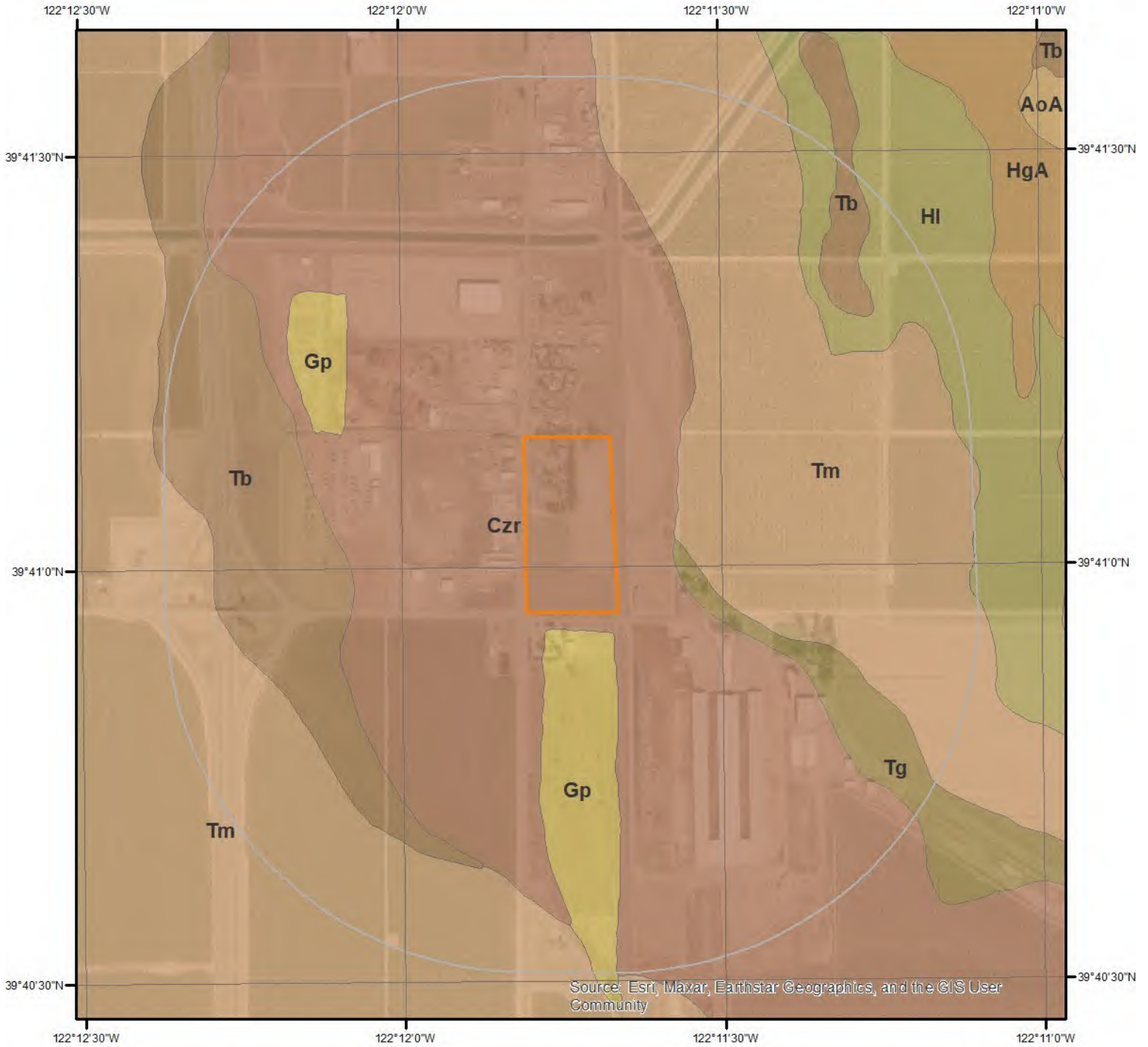
The previous page shows USGS geology information. Detailed information about each unit is provided below.

---

### Geologic Unit Q

Unit Name:	Quaternary alluvium and marine deposits
Unit Age:	Pliocene to Holocene
Primary Rock Type:	alluvium
Secondary Rock Type:	terrace
Unit Description:	Alluvium, lake, playa, and terrace deposits; unconsolidated and semi-consolidated. Mostly nonmarine, but includes marine deposits near the coast.

# Soil Information



## SSURGO Soils



This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.



## Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

### Map Unit Czr (19.67%)

Map Unit Name:	Cortina very gravelly sandy loam,
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	A - Soils in this group have low runoff potential when thoroughly wet. Water is transmitted freely through the soil.

Major components are printed below

Cortina(85%)	
horizon H1(0cm to 20cm)	Very gravelly sandy loam
horizon H2(20cm to 102cm)	Stratified very gravelly loamy sand to very gravelly loam
horizon H3(102cm to 152cm)	Stratified very gravelly sand to very gravelly loamy sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Czr - Cortina very gravelly sandy loam, 0 to 3 percent slopes

Component: Cortina (85%)

The Cortina component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on alluvial fans. The parent material consists of gravelly alluvium. Depth to a root restrictive layer, strongly contrasting textural stratification, is 39 to inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4s. Irrigated land capability classification is 4s. This soil does not meet hydric criteria.

Component: Unnamed (5%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Gravel pits (5%)

Generated brief soil descriptions are created for major soil components. The Gravel pits soil is a minor component.

Component: Unnamed (5%)

Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

### Map Unit Gp (0.19%)

Map Unit Name:	Gravel pits
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Excessively drained
Hydrologic Group - Dominant:	null

Major components are printed below

Gravel pits(90%)	
horizon H1(0cm to 15cm)	Very gravelly sand
horizon H2(15cm to 152cm)	Extremely gravelly coarse sand
horizon H2(15cm to 152cm)	Extremely gravelly sand
horizon H2(15cm to 152cm)	Very gravelly coarse sand

## Soil Information

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: Gp - Gravel pits

Component: Gravel pits (90%)

Generated brief soil descriptions are created for major soil components. The Gravel pits is a miscellaneous area.

Component: Arbuckle (5%)

Generated brief soil descriptions are created for major soil components. The Arbuckle soil is a minor component.

Component: Cortina (5%)

Generated brief soil descriptions are created for major soil components. The Cortina soil is a minor component.

---

### Map Unit HI (1.03%)

Map Unit Name:	Hillgate clay loam, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Hillgate(85%)

horizon H1(0cm to 38cm)	Clay loam
horizon H2(38cm to 152cm)	Clay

### Component Description:

Minor map unit components are excluded from this report.

Map Unit: HI - Hillgate clay loam, 0 to 3 percent slopes

Component: Hillgate (85%)

The Hillgate component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces. The parent material consists of alluvium derived from sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. Irrigated land capability classification is 3s. This soil does not meet hydric criteria.

Component: Corning (5%)

Generated brief soil descriptions are created for major soil components. The Corning soil is a minor component.

Component: Arbuckle (5%)

Generated brief soil descriptions are created for major soil components. The Arbuckle soil is a minor component.

Component: Tehama (3%)

Generated brief soil descriptions are created for major soil components. The Tehama soil is a minor component.

Component: Kimball (2%)

Generated brief soil descriptions are created for major soil components. The Kimball soil is a minor component.

---

### Map Unit Tb (0.5%)

Map Unit Name:	Tehama loam, deep to gravel, 0 to 3 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null

## Soil Information

Drainage Class - Dominant: Well drained  
Hydrologic Group - Dominant: C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Tehama(85%)  
horizon H1(0cm to 23cm) Loam  
horizon H2(23cm to 114cm) Silty clay loam  
horizon H3(114cm to 152cm) Stratified g to sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Tb - Tehama loam, deep to gravel, 0 to 3 percent slopes

Component: Tehama (85%)

The Tehama component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces. The parent material consists of alluvium derived from metamorphic and sedimentary rock. Depth to a root restrictive layer, strongly contrasting textural stratification, is 39 to inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent.

Component: Arbuckle (5%)

Generated brief soil descriptions are created for major soil components. The Arbuckle soil is a minor component.

Component: Plaza (5%)

Generated brief soil descriptions are created for major soil components. The Plaza soil is a minor component.

Component: Hillgate (5%)

Generated brief soil descriptions are created for major soil components. The Hillgate soil is a minor component.

---

### Map Unit Tg (0.19%)

Map Unit Name: Tehama gravelly loam, 0 to 3 percent slopes, MLRA 17  
Bedrock Depth - Min: null  
Watertable Depth - Annual Min: null  
Drainage Class - Dominant: Well drained  
Hydrologic Group - Dominant: C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Tehama(85%)  
horizon Ap(0cm to 23cm) Gravelly loam  
horizon Bt(23cm to 69cm) Gravelly clay loam  
horizon BCtk(69cm to 152cm) Gravelly clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Tg - Tehama gravelly loam, 0 to 3 percent slopes, MLRA 17

Component: Tehama (85%)

The Tehama component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on stream terraces on foothills, stream terraces on valleys. The parent material consists of fine-loamy alluvium derived from metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. Irrigated land capability

## Soil Information

classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 3 percent. There are no saline horizons within 30 inches of the soil surface.

Component: Hillgate (5%)

Generated brief soil descriptions are created for major soil components. The Hillgate soil is a minor component.

Component: Arbuckle (5%)

Generated brief soil descriptions are created for major soil components. The Arbuckle soil is a minor component.

Component: Plaza (5%)

Generated brief soil descriptions are created for major soil components. The Plaza soil is a minor component.

---

### Map Unit Tm (78.43%)

Map Unit Name:	Tehama silt loam, 0 to 3 percent slopes, MLRA 17
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Tehama(85%)	
horizon Ap(0cm to 23cm)	Silt loam
horizon BAt(23cm to 30cm)	Silty clay loam
horizon Bt1(30cm to 48cm)	Silty clay loam
horizon Bt2(48cm to 69cm)	Silty clay loam
horizon BCtk1(69cm to 97cm)	Silty clay loam
horizon BCtk2(97cm to 127cm)	Silty clay loam
horizon BCtk3(127cm to 152cm)	Silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Tm - Tehama silt loam, 0 to 3 percent slopes, MLRA 17

Component: Tehama (85%)

The Tehama component makes up 85 percent of the map unit. Slopes are 0 to 3 percent. This component is on terraces on valleys. The parent material consists of fine-silty alluvium derived from metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3s. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 2 percent.

Component: Hillgate (5%)

Generated brief soil descriptions are created for major soil components. The Hillgate soil is a minor component.

Component: Arbuckle (5%)

Generated brief soil descriptions are created for major soil components. The Arbuckle soil is a minor component.

Component: Plaza (5%)

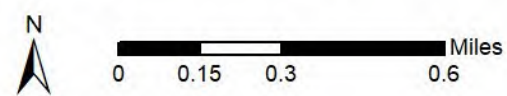
Generated brief soil descriptions are created for major soil components. The Plaza soil is a minor component.

# Wells and Additional Sources



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

## Wells & Additional Sources



- |                                |                                    |
|--------------------------------|------------------------------------|
| ▲ Sites with Higher Elevation  | ▲ OGW Sites with Higher Elevation  |
| ■ Sites with Same Elevation    | ■ OGW Sites with Same Elevation    |
| ▼ Sites with Lower Elevation   | ▼ OGW Sites with Lower Elevation   |
| ○ Sites with Unknown Elevation | ● OGW Sites with Unknown Elevation |





# Wells and Additional Sources Summary

## Federal Sources

### Public Water Systems Violations and Enforcement Data

Map Key	ID	Distance (ft)	Direction
	No records found		

### Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

### USGS National Water Information System

Map Key	Site Number	Distance (ft)	Direction
2	USGS-394100122112901	557.60	ESE
8	USGS-394056122120601	1678.62	WSW
10	USGS-394101122121801	2611.04	W

### Wells from NWIS

Map Key	ID	Distance (ft)	Direction
	No records found		

## State Sources

### Oil and Gas Wells

Map Key	API No	Distance (ft)	Direction
4	0402120761	469.36	SSW
19	0402120061	4383.93	ESE

### Periodic Groundwater Level Measurement Locations

Map Key	Site Code	Distance (ft)	Direction
1	396858N1221974W001	49.81	NNW
6	396887N1221930W001	1098.37	NNE
20	396864N1221785W001	4671.14	E
21	396863N1221774W001	4951.03	E

### Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
3	WCR2022-012014	649.53	WSW
5	WCR2021-015681	734.31	NW
7	WCR2019-016740	1232.46	N
9	WCR2019-000882	2018.96	E

## Wells and Additional Sources Summary

11	WCR1947-000752	2448.39	NE
11	WCR2001-009383	2448.39	NE
11	WCR1979-004542	2448.39	NE
11	WCR1976-003614	2448.39	NE
11	WCR2001-009357	2448.39	NE
11	WCR1973-002084	2448.39	NE
11	WCR1956-000984	2448.39	NE
11	WCR2014-006625	2448.39	NE
11	WCR1947-000754	2448.39	NE
11	WCR1976-003601	2448.39	NE
11	WCR2000-008634	2448.39	NE
11	WCR1952-000849	2448.39	NE
11	WCR1967-000827	2448.39	NE
11	WCR1947-000755	2448.39	NE
11	WCR1981-005541	2448.39	NE
11	WCR1960-001159	2448.39	NE
11	WCR1947-000753	2448.39	NE
11	WCR1982-004458	2448.39	NE
11	WCR1948-000660	2448.39	NE
11	WCR1972-001859	2448.39	NE
11	WCR1959-000875	2448.39	NE
11	WCR1977-006849	2448.39	NE
11	WCR1988-013720	2448.39	NE
11	WCR2001-009358	2448.39	NE
11	WCR1986-008898	2448.39	NE
11	WCR1955-001327	2448.39	NE
11	WCR1977-006761	2448.39	NE
11	WCR1951-001153	2448.39	NE
11	WCR1977-006797	2448.39	NE
11	WCR1961-001264	2448.39	NE
11	WCR1983-004825	2448.39	NE
11	WCR2018-001448	2448.39	NE
11	WCR2018-001456	2448.39	NE
12	WCR1988-013719	2943.43	NW
12	WCR2006-008201	2943.43	NW
12	WCR1955-001338	2943.43	NW
12	WCR1776-003161	2943.43	NW
12	WCR1997-008405	2943.43	NW
12	WCR1981-005556	2943.43	NW
12	WCR2007-009190	2943.43	NW
12	WCR1952-000848	2943.43	NW
12	WCR1947-000751	2943.43	NW
12	WCR1976-003586	2943.43	NW
12	WCR1948-000659	2943.43	NW
12	WCR1973-002102	2943.43	NW
12	WCR1979-004565	2943.43	NW
12	WCR1942-000266	2943.43	NW
12	WCR2014-005572	2943.43	NW
12	WCR1975-002140	2943.43	NW
12	WCR1997-008404	2943.43	NW
12	WCR1988-013718	2943.43	NW
12	WCR1966-001189	2943.43	NW
12	WCR1997-008402	2943.43	NW
12	WCR1993-009324	2943.43	NW
12	WCR2003-009810	2943.43	NW
12	WCR1999-008268	2943.43	NW
12	WCR1997-008403	2943.43	NW
12	WCR1994-009086	2943.43	NW
12	WCR1975-002112	2943.43	NW
13	WCR2017-004224	3562.83	W
14	WCR1996-007552	3337.25	SE
14	WCR1991-015641	3337.25	SE
14	WCR1991-015643	3337.25	SE
14	WCR1947-000757	3337.25	SE
14	WCR1991-015644	3337.25	SE
14	WCR2008-008529	3337.25	SE

## Wells and Additional Sources Summary

14	WCR1776-003163	3337.25	SE
14	WCR2011-007564	3337.25	SE
14	WCR2010-007961	3337.25	SE
14	WCR1992-013154	3337.25	SE
14	WCR1981-005553	3337.25	SE
14	WCR2001-009356	3337.25	SE
14	WCR2001-009368	3337.25	SE
14	WCR1977-006514	3337.25	SE
14	WCR1977-006477	3337.25	SE
14	WCR1991-015642	3337.25	SE
14	WCR1982-004457	3337.25	SE
14	WCR2001-009384	3337.25	SE
14	WCR2002-009820	3337.25	SE
15	WCR2022-009819	3604.96	N
16	WCR1968-000800	3753.43	SW
16	WCR2011-008081	3753.43	SW
16	WCR2009-007386	3753.43	SW
16	WCR1972-001891	3753.43	SW
16	WCR1997-008407	3753.43	SW
16	WCR2009-008052	3753.43	SW
16	WCR2007-009110	3753.43	SW
16	WCR2013-008086	3753.43	SW
16	WCR2000-008674	3753.43	SW
17	WCR2016-001014	3735.69	NNW
18	WCR2020-009442	4014.55	SE
22	WCR2016-003038	4688.74	NW

# Wells and Additional Sources Detail Report

## USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ESE	0.11	557.60	222.48	FED USGS

Reporting Agency: USGS California Water Science Center  
Site Number: USGS-394100122112901  
Station Name: 021N003W10N001M  
Site Type: Well  
Latitude: 39.68321420000000  
Longitude: -122.19248470000000  
Date Drilled: 19671116  
Well Depth: 144  
Well Depth Unit: ft  
Well Hole Depth: 145  
W Hole Depth Unit: ft  
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	WSW	0.32	1,678.62	223.24	FED USGS

Reporting Agency: USGS California Water Science Center  
Site Number: USGS-394056122120601  
Station Name: 021N003W16B001M  
Site Type: Well  
Latitude: 39.68210300000000  
Longitude: -122.20276270000000  
Date Drilled: 19680315  
Well Depth: 166  
Well Depth Unit: ft  
Well Hole Depth: 206  
W Hole Depth Unit: ft  
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	W	0.49	2,611.04	222.14	FED USGS

Reporting Agency: USGS California Water Science Center  
Site Number: USGS-394101122121801  
Station Name: 021N003W09P001M  
Site Type: Well  
Latitude: 39.68349186000000  
Longitude: -122.20609620000000  
Date Drilled: 19661024

## Wells and Additional Sources Detail Report

Well Depth: 120  
 Well Depth Unit: ft  
 Well Hole Depth: 120  
 W Hole Depth Unit: ft  
 Formation Type:

### Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SSW	0.09	469.36	219.30	OGW

API No:	0402120761	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A0050
Well No:	1-16	Operator Name:	AA Production Services Inc.
Well Status:	Idle	Operator St:	
Well Stat Desc:	Idle	County APIC:	
Well Type:	DG	District:	Northern
Well Type Desc:	DG	Geo District:	
Well Symbol:	IdleDG	Field Code:	
Well Sym Desc:		Field Name:	Any Field
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Glenn
Lease Name:	J. Mannix	Section:	16
Elevation:		Township:	21N
Total Depth:		Range:	03W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	39.68135071
Confidential:		Long83:	-122.1977005
Confidential Well:	No	Base Meridian:	MD
Directional Drilled:	No	GIS Source Code:	GPS
Hydr Fractured:			
Location:			
Source83 Desc:	Global Positioning System - Coordinates derived from Division staff and Trimble GPS unit		
URL:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	ESE	0.83	4,383.93	208.50	OGW

API No:	0402120061	Directional:	
All Well Key:		BLM Well:	
OP Well ID:		EPA Well:	
OID:		Operator Code:	A2500
Well No:	1	Operator Name:	Anacapa Oil Corporation

## Wells and Additional Sources Detail Report

Well Status:	Plugged	Operator St:	
Well Stat Desc:	Plugged	County APIC:	
Well Type:	DH	District:	Northern
Well Type Desc:	Dry Hole	Geo District:	
Well Symbol:	PluggedDH	Field Code:	
Well Sym Desc:		Field Name:	Any Field
Release Date:		Area Code:	
Completion Date:		Area Name:	Any Area
Abandoned Date:		County Name:	Glenn
Lease Name:	Rehse	Section:	15
Elevation:		Township:	21N
Total Depth:		Range:	03W
Redrilled Depth:		Lat27:	
Redrill Cancel Flag:		Long27:	
Dryhole:		Lat83:	39.67850113
Confidential:		Long83:	-122.17969513
Confidential Well:	No	Base Meridian:	MD
Directional Drilled:	No	GIS Source Code:	hud
Hydr Fractured:			
Location:			
Source83 Desc:	Heads Up Digitized - Coordinates generated from scanned, geo-referenced, static scale, Mylar maps		
URL:			

### Periodic Groundwater Level Measurement Locations

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	NNW	0.01	49.81	223.21	MONITOR WELLS

Station ID:	21247	Basin Region Code:	5
Site Code:	396858N1221974W001	Basin Region Desc:	Sacramento River
State Well No:	21N03W09R001M	Basin Region Actv:	Y
WCR No:	USGS	Basin Region Order:	5
Well Depth:	150	WLM Method:	
Well Use:	Residential	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	224.26	GSE Method:	Unknown
Basin ID:		County Name:	Glenn
Basin Code:	5-021.52	Latitude:	39.6858
Basin Name:	Colusa	Longitude:	-122.197
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	223.26		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	NNE	0.21	1,098.37	222.61	MONITOR WELLS

Station ID:	21249	Basin Region Code:	5
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## Wells and Additional Sources Detail Report

Site Code:	396887N1221930W001	Basin Region Desc:	Sacramento River
State Well No:	21N03W10M001M	Basin Region Actv:	Y
WCR No:	3904	Basin Region Order:	5
Well Depth:	321	WLM Method:	
Well Use:	Irrigation	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	222.45	GSE Method:	Unknown
Basin ID:		County Name:	Glenn
Basin Code:	5-021.52	Latitude:	39.6887
Basin Name:	Colusa	Longitude:	-122.193
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	221.95		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	E	0.88	4,671.14	210.64	MONITOR WELLS

Station ID:	21248	Basin Region Code:	5
Site Code:	396864N1221785W001	Basin Region Desc:	Sacramento River
State Well No:	21N03W10J001M	Basin Region Actv:	Y
WCR No:		Basin Region Order:	5
Well Depth:	100	WLM Method:	
Well Use:	Residential	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	210.15	GSE Method:	Unknown
Basin ID:		County Name:	Glenn
Basin Code:	5-021.52	Latitude:	39.6864
Basin Name:	Colusa	Longitude:	-122.178
Well Name:			
Well Type:	Unknown		
Ground Surface Elevation:	208.15		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	E	0.94	4,951.03	209.89	MONITOR WELLS

Station ID:	21251	Basin Region Code:	5
Site Code:	396863N1221774W001	Basin Region Desc:	Sacramento River
State Well No:	21N03W11M001M	Basin Region Actv:	Y
WCR No:		Basin Region Order:	5
Well Depth:	800	WLM Method:	
Well Use:	Irrigation	WLM Accuracy:	
Monitoring Program:	VOLUNTARY	GSE Accuracy:	Unknown
RPE:	209.65	GSE Method:	Unknown
Basin ID:		County Name:	Glenn
Basin Code:	5-021.52	Latitude:	39.6863
Basin Name:	Colusa	Longitude:	-122.177

# Wells and Additional Sources Detail Report

Well Name:  
 Well Type: Unknown  
 Ground Surface Elevation: 208.95

## Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	WSW	0.12	649.53	222.94	WATER WELLS

WCR No: WCR2022-012014      Decimal Lat(OSWCR):  
 Decimal Latitude: 39.68331      Decim Long(OSWCR):  
 Decimal Longitude: -122.199124  
 Location: 6480 COUNTY RD 27  
 City: ORLAND  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):  
 Original Source: California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	NW	0.14	734.31	223.69	WATER WELLS

WCR No: WCR2021-015681      Decimal Lat(OSWCR): 39.6862658  
 Decimal Latitude: 39.6862658      Decim Long(OSWCR): -122.1994061  
 Decimal Longitude: -122.1994061  
 Location: 3717 county road 99w  
 City: ORLAND  
 County: Glenn  
 Location(OSWCR): 3717 county road 99w  
 City(OSWCR): ORLAND  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	N	0.23	1,232.46	225.97	WATER WELLS

WCR No: WCR2019-016740      Decimal Lat(OSWCR): 39.6893446  
 Decimal Latitude: 39.6893446      Decim Long(OSWCR): -122.1956593  
 Decimal Longitude: -122.1956593  
 Location: 3748 W County 99 HWY  
 City: Orland  
 County: Glenn  
 Location(OSWCR): 3748 W County 99 HWY  
 City(OSWCR): Orland



## Wells and Additional Sources Detail Report

County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
9	E	0.38	2,018.96	212.30	WATER WELLS

WCR No: WCR2019-000882      Decimal Lat(OSWCR): 39.683181  
 Decimal Latitude: 39.683181      Decim Long(OSWCR): -122.187286  
 Decimal Longitude: -122.187286  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1947-000752      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR2001-009383      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

# Wells and Additional Sources Detail Report

## Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1979-004542      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1976-003614      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR2001-009357      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

## Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1973-002084      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1956-000984      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR2014-006625      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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# Wells and Additional Sources Detail Report

11                      NE                      0.46                      2,448.39                      212.51                      WATER WELLS

WCR No:                      WCR1947-000754                      Decimal Lat(OSWCR):                      39.68950634  
 Decimal Latitude:                      39.68950634                      Decim Long(OSWCR):                      -122.1872102  
 Decimal Longitude:                      -122.1872102  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No:                      WCR1976-003601                      Decimal Lat(OSWCR):                      39.68950634  
 Decimal Latitude:                      39.68950634                      Decim Long(OSWCR):                      -122.1872102  
 Decimal Longitude:                      -122.1872102  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No:                      WCR2000-008634                      Decimal Lat(OSWCR):                      39.68950634  
 Decimal Latitude:                      39.68950634                      Decim Long(OSWCR):                      -122.1872102  
 Decimal Longitude:                      -122.1872102  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

# Wells and Additional Sources Detail Report

WCR No: WCR1952-000849      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1967-000827      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1947-000755      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1981-005541      Decimal Lat(OSWCR): 39.68950634

## Wells and Additional Sources Detail Report

Decimal Latitude: 39.68950634                      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1960-001159                      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634                      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1947-000753                      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634                      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1982-004458                      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634                      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102

# Wells and Additional Sources Detail Report

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1948-000660

Decimal Lat(OSWCR): 39.68950634

Decimal Latitude: 39.68950634

Decim Long(OSWCR): -122.1872102

Decimal Longitude: -122.1872102

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1972-001859

Decimal Lat(OSWCR): 39.68950634

Decimal Latitude: 39.68950634

Decim Long(OSWCR): -122.1872102

Decimal Longitude: -122.1872102

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1959-000875

Decimal Lat(OSWCR): 39.68950634

Decimal Latitude: 39.68950634

Decim Long(OSWCR): -122.1872102

Decimal Longitude: -122.1872102

Location:

City:

## Wells and Additional Sources Detail Report

County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1977-006849      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1988-013720      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR2001-009358      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):



## Wells and Additional Sources Detail Report

City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1986-008898      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1955-001327      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1977-006761      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn

## Wells and Additional Sources Detail Report

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1951-001153      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1977-006797      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1961-001264      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

## Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR1983-004825      Decimal Lat(OSWCR): 39.68950634  
 Decimal Latitude: 39.68950634      Decim Long(OSWCR): -122.1872102  
 Decimal Longitude: -122.1872102  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR2018-001448      Decimal Lat(OSWCR): 39.68951  
 Decimal Latitude: 39.68951      Decim Long(OSWCR): -122.18721  
 Decimal Longitude: -122.18721  
 Location: County Rd 27  
 City: Orland  
 County: Glenn  
 Location(OSWCR): County Rd 27  
 City(OSWCR): Orland  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	NE	0.46	2,448.39	212.51	WATER WELLS

WCR No: WCR2018-001456      Decimal Lat(OSWCR): 39.68951  
 Decimal Latitude: 39.68951      Decim Long(OSWCR): -122.18721  
 Decimal Longitude: -122.18721  
 Location: County Rd 25  
 City: Orland  
 County: Glenn  
 Location(OSWCR): County Rd 25  
 City(OSWCR): Orland  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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# Wells and Additional Sources Detail Report

12                      NW                      0.56                      2,943.43                      227.80                      WATER WELLS

WCR No:                      WCR1988-013719                      Decimal Lat(OSWCR):                      39.6897759  
 Decimal Latitude:                      39.6897759                      Decim Long(OSWCR):                      -122.2060565  
 Decimal Longitude:                      -122.2060565  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

**Map Key                      Direction                      Distance (mi)                      Distance (ft)                      Elevation (ft)                      DB**

12                      NW                      0.56                      2,943.43                      227.80                      WATER WELLS

WCR No:                      WCR2006-008201                      Decimal Lat(OSWCR):                      39.6897759  
 Decimal Latitude:                      39.6897759                      Decim Long(OSWCR):                      -122.2060565  
 Decimal Longitude:                      -122.2060565  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

**Map Key                      Direction                      Distance (mi)                      Distance (ft)                      Elevation (ft)                      DB**

12                      NW                      0.56                      2,943.43                      227.80                      WATER WELLS

WCR No:                      WCR1955-001338                      Decimal Lat(OSWCR):                      39.6897759  
 Decimal Latitude:                      39.6897759                      Decim Long(OSWCR):                      -122.2060565  
 Decimal Longitude:                      -122.2060565  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

**Map Key                      Direction                      Distance (mi)                      Distance (ft)                      Elevation (ft)                      DB**

12                      NW                      0.56                      2,943.43                      227.80                      WATER WELLS

# Wells and Additional Sources Detail Report

WCR No: WCR1776-003161      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1997-008405      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1981-005556      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

## Wells and Additional Sources Detail Report

WCR No: WCR2007-009190      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1952-000848      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1947-000751      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1976-003586      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565

## Wells and Additional Sources Detail Report

Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1948-000659      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1973-002102      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1979-004565      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:

## Wells and Additional Sources Detail Report

City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1942-000266      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR2014-005572      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1975-002140      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn



## Wells and Additional Sources Detail Report

Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1997-008404      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1988-013718      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1966-001189      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):

## Wells and Additional Sources Detail Report

County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1997-008402      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1993-009324      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR2003-009810      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

# Wells and Additional Sources Detail Report

## Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1999-008268      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1997-008403      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1994-009086      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

## Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	NW	0.56	2,943.43	227.80	WATER WELLS

WCR No: WCR1975-002112      Decimal Lat(OSWCR): 39.6897759  
 Decimal Latitude: 39.6897759      Decim Long(OSWCR): -122.2060565  
 Decimal Longitude: -122.2060565  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	W	0.67	3,562.83	220.46	WATER WELLS

WCR No: WCR2017-004224      Decimal Lat(OSWCR): 39.685985  
 Decimal Latitude: 39.685985      Decim Long(OSWCR): -122.209487  
 Decimal Longitude: -122.209487  
 Location: County Road 27  
 City: Orland  
 County: Glenn  
 Location(OSWCR): County Road 27  
 City(OSWCR): Orland  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1996-007552      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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## Wells and Additional Sources Detail Report

14	SE	0.63	3,337.25	212.38	WATER WELLS
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WCR No:	WCR1991-015641	Decimal Lat(OSWCR):	39.67499843
Decimal Latitude:	39.67499843	Decim Long(OSWCR):	-122.1874572
Decimal Longitude:	-122.1874572		
Location:			
City:			
County:	Glenn		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Glenn		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No:	WCR1991-015643	Decimal Lat(OSWCR):	39.67499843
Decimal Latitude:	39.67499843	Decim Long(OSWCR):	-122.1874572
Decimal Longitude:	-122.1874572		
Location:			
City:			
County:	Glenn		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Glenn		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No:	WCR1947-000757	Decimal Lat(OSWCR):	39.67499843
Decimal Latitude:	39.67499843	Decim Long(OSWCR):	-122.1874572
Decimal Longitude:	-122.1874572		
Location:			
City:			
County:	Glenn		
Location(OSWCR):			
City(OSWCR):			
County(OSWCR):	Glenn		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

# Wells and Additional Sources Detail Report

WCR No: WCR1991-015644      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2008-008529      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1776-003163      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2011-007564      Decimal Lat(OSWCR): 39.67499843

## Wells and Additional Sources Detail Report

Decimal Latitude: 39.67499843                      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2010-007961                      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843                      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1992-013154                      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843                      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

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<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1981-005553                      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843                      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572

# Wells and Additional Sources Detail Report

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2001-009356

Decimal Lat(OSWCR): 39.67499843

Decimal Latitude: 39.67499843

Decim Long(OSWCR): -122.1874572

Decimal Longitude: -122.1874572

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2001-009368

Decimal Lat(OSWCR): 39.67499843

Decimal Latitude: 39.67499843

Decim Long(OSWCR): -122.1874572

Decimal Longitude: -122.1874572

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1977-006514

Decimal Lat(OSWCR): 39.67499843

Decimal Latitude: 39.67499843

Decim Long(OSWCR): -122.1874572

Decimal Longitude: -122.1874572

Location:

City:



# Wells and Additional Sources Detail Report

County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1977-006477      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572

Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1991-015642      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572

Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR1982-004457      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572

Location:  
 City:  
 County: Glenn  
 Location(OSWCR):

## Wells and Additional Sources Detail Report

City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2001-009384      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
14	SE	0.63	3,337.25	212.38	WATER WELLS

WCR No: WCR2002-009820      Decimal Lat(OSWCR): 39.67499843  
 Decimal Latitude: 39.67499843      Decim Long(OSWCR): -122.1874572  
 Decimal Longitude: -122.1874572  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
15	N	0.68	3,604.96	228.95	WATER WELLS

WCR No: WCR2022-009819      Decimal Lat(OSWCR):  
 Decimal Latitude: 39.6958436      Decim Long(OSWCR):  
 Decimal Longitude: -122.1943198  
 Location: 0 COUNTY RD 25  
 City: ORLAND  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):

# Wells and Additional Sources Detail Report

Original Source: California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No: WCR1968-000800      Decimal Lat(OSWCR): 39.67519476  
 Decimal Latitude: 39.67519476      Decim Long(OSWCR): -122.2062985  
 Decimal Longitude: -122.2062985

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No: WCR2011-008081      Decimal Lat(OSWCR): 39.67519476  
 Decimal Latitude: 39.67519476      Decim Long(OSWCR): -122.2062985  
 Decimal Longitude: -122.2062985

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No: WCR2009-007386      Decimal Lat(OSWCR): 39.67519476  
 Decimal Latitude: 39.67519476      Decim Long(OSWCR): -122.2062985  
 Decimal Longitude: -122.2062985

Location:

City:

County: Glenn

Location(OSWCR):

City(OSWCR):

County(OSWCR): Glenn

Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

## Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No: WCR1972-001891      Decimal Lat(OSWCR): 39.67519476  
 Decimal Latitude: 39.67519476      Decim Long(OSWCR): -122.2062985  
 Decimal Longitude: -122.2062985  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No: WCR1997-008407      Decimal Lat(OSWCR): 39.67519476  
 Decimal Latitude: 39.67519476      Decim Long(OSWCR): -122.2062985  
 Decimal Longitude: -122.2062985  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No: WCR2009-008052      Decimal Lat(OSWCR): 39.67519476  
 Decimal Latitude: 39.67519476      Decim Long(OSWCR): -122.2062985  
 Decimal Longitude: -122.2062985  
 Location:  
 City:  
 County: Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
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## Wells and Additional Sources Detail Report

16                      SW                      0.71                      3,753.43                      208.21                      WATER WELLS

WCR No:                      WCR2007-009110                      Decimal Lat(OSWCR):                      39.67519476  
 Decimal Latitude:                      39.67519476                      Decim Long(OSWCR):                      -122.2062985  
 Decimal Longitude:                      -122.2062985  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No:                      WCR2013-008086                      Decimal Lat(OSWCR):                      39.67519476  
 Decimal Latitude:                      39.67519476                      Decim Long(OSWCR):                      -122.2062985  
 Decimal Longitude:                      -122.2062985  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
16	SW	0.71	3,753.43	208.21	WATER WELLS

WCR No:                      WCR2000-008674                      Decimal Lat(OSWCR):                      39.67519476  
 Decimal Latitude:                      39.67519476                      Decim Long(OSWCR):                      -122.2062985  
 Decimal Longitude:                      -122.2062985  
 Location:  
 City:  
 County:                      Glenn  
 Location(OSWCR):  
 City(OSWCR):  
 County(OSWCR):                      Glenn  
 Original Source:                      California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
17	NNW	0.71	3,735.69	230.26	WATER WELLS

## Wells and Additional Sources Detail Report

WCR No: WCR2016-001014      Decimal Lat(OSWCR): 39.6958476  
 Decimal Latitude: 39.6958476      Decim Long(OSWCR): -122.2004302  
 Decimal Longitude: -122.2004302  
 Location: 6461 COUNTY RD 25  
 City: ORLAND  
 County: Glenn  
 Location(OSWCR): 6461 COUNTY RD 25  
 City(OSWCR): ORLAND  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
18	SE	0.76	4,014.55	207.71	WATER WELLS

WCR No: WCR2020-009442      Decimal Lat(OSWCR): 39.676374  
 Decimal Latitude: 39.676374      Decim Long(OSWCR): -122.182493  
 Decimal Longitude: -122.182493  
 Location: 6569 CO RD 27  
 City: ORLAND  
 County: Glenn  
 Location(OSWCR): 6569 CO RD 27  
 City(OSWCR): ORLAND  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

<b>Map Key</b>	<b>Direction</b>	<b>Distance (mi)</b>	<b>Distance (ft)</b>	<b>Elevation (ft)</b>	<b>DB</b>
22	NW	0.89	4,688.74	228.24	WATER WELLS

WCR No: WCR2016-003038      Decimal Lat(OSWCR): 39.69341  
 Decimal Latitude: 39.69341      Decim Long(OSWCR): -122.21043  
 Decimal Longitude: -122.21043  
 Location: Co Rd 25  
 City:  
 County: Glenn  
 Location(OSWCR): Co Rd 25  
 City(OSWCR):  
 County(OSWCR): Glenn  
 Original Source: California Department of Water Resources - OSWCR(Well Numbers); California Department of Water Resources - Well Completion Reports

## Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *GLENN* County: **3**

*Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L*

*Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L*

*Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L*

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### Federal Area Radon Information for *GLENN* County

No Measures/Homes:	10
Geometric Mean:	0.3
Arithmetic Mean:	0.4
Median:	0.4
Standard Deviation:	0.6
Maximum:	1.8
% >4 pCi/L:	0
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

## **Federal Sources**

### **FEMA National Flood Hazard Layer**

**FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

### **Indoor Radon Data**

**INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

### **Public Water Systems Violations and Enforcement Data**

**PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

### **Radon Zone Level**

**RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

### **Safe Drinking Water Information System (SDWIS)**

**SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

### **Soil Survey Geographic database**

**SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

### **U.S. Fish & Wildlife Service Wetland Data**

**US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

### **USGS Current Topo**

**US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

### **USGS Geology**

**US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

### **USGS National Water Information System**

**FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

### **Wells from NWIS**

**FED USGS**

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIS dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well,



# Appendix

Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

## **State Sources**

### **Oil and Gas Wells**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of Oil, Gas and Geothermal Resources.

**OGW**

### **Periodic Groundwater Level Measurement Locations**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

**MONITOR WELLS**

### **Well Completion Reports**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

**WATER WELLS**

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Environmental User Questionnaire

To help the Environmental Professional in gathering information that may present an environmental concern to the subject property, please answer the following questions (provided in the two tables below) to the best of your knowledge. This user questionnaire form can be emailed back to [tmusson99@gmail.com](mailto:tmusson99@gmail.com)

Property Name	
Property Address	3700 and 3698 County Rd 99W ORLAND, CA 95963
Current Property Owner	AMARDEV S. JOUHAL
Type of Property Transaction (sale, purchase, re-finance)	PARCEL Split
Length of time associated with the property	7 MONTHS
Occupancy Type (residential, commercial, industrial, vacant land, other)	Approx 19 AC Service Commercial Property with 1 house
Current Use of Property / Business Type	House is Rented. Remaining Land is vacant
Adjacent Land Use / Occupant(s) - North	North = Residential SOUTH = Water District office EAST = AG Orchard WEST = Service Commercial (Storage)
Adjacent Land Use / Occupant(s) - South	↓
Adjacent Land Use / Occupant(s) - East	
Adjacent Land Use / Occupant(s) - West	
Adjacent Land Use / Occupant(s) - West	



Please describe the historic use / occupancy of the subject property as far back as possible.	UNKNOWN - Last owner had some extra Equip / Trailers Parked on Property and were Removed.
Are there any previous environmental reports associated with this property?	UNKNOWN
Are there any permits associated with the property or its operations?	NO
Are there any environmental citations, claims, violations, complaints, or notice of non-compliance issued by an environmental regulatory agency?	Notice of Non Compliance by county for owner parking overflow Equip, Veh, and Trailers for from nearby Junkyard.
Has there been any spills/releases of chemicals on the property; such as petroleum and/or hazardous substances?	UNKNOWN
Has the property ever been involved with an environmental cleanup? Is the property currently involved with an environmental cleanup or any type of environmental action?	UNKNOWN
Is there any reason to believe a spill or chemical release would have occurred on the property or that the property was previously contaminated?	UNKNOWN
What is the purpose of the loan?	N/A
What is the future use of the property?	Service Commercial use - exact is unknown
Are any developments or improvements planned to the property or its buildings if present?	NOT YET - TBD



Does the property have a site map, emergency evacuation plan/map, or rent roll?	A Tentative Parcel Map (TPM) has been submitted to Planning Dept for Property split. will send to you a copy.
Does the purchase price being paid for this property reasonably reflect the fair market value of the property?	It did when purchased Last August (2022)

Additional Information

Do Any of These Items Currently or Formerly Exist on the Subject Property?	Yes/No/Unknown	Description / Location on Property
Underground Storage Tank(s)	UNK	
Above-Ground Storage Tanks(s)	UNK	
Oil/Water Separator	UNK	
Sumps, Cisterns, Catch Basins, Dry Wells	UNK	
Drums, Barrels, and/or Containers (>5-gallons)	UNK	
Septic Tank, Leach Field	YES	Directly West of House
Drinking Water Wells	Yes	East of the house



Monitor Wells	NO	
Grease Traps	UNK	
Leachate and/or Waste Seeps	UNK	
Interior Floor Drains	UNK	
Air Compressors, Hydraulic Equipment, Generators	UNK	
Elevators	UNK	
Cleaning / Maintenance Area	UNK	
Pipeline Markers	Yes	Hi Pressure Natural Gas Underground Pipeline along Southern boundary - depict on T&M I will send to you
Pad or Pole-Mounted Transformers / Capacitors	NO/UNK	
Stained Soil and/or Pavement	yes	house driveway
Stressed / Dead Vegetation	UNK	



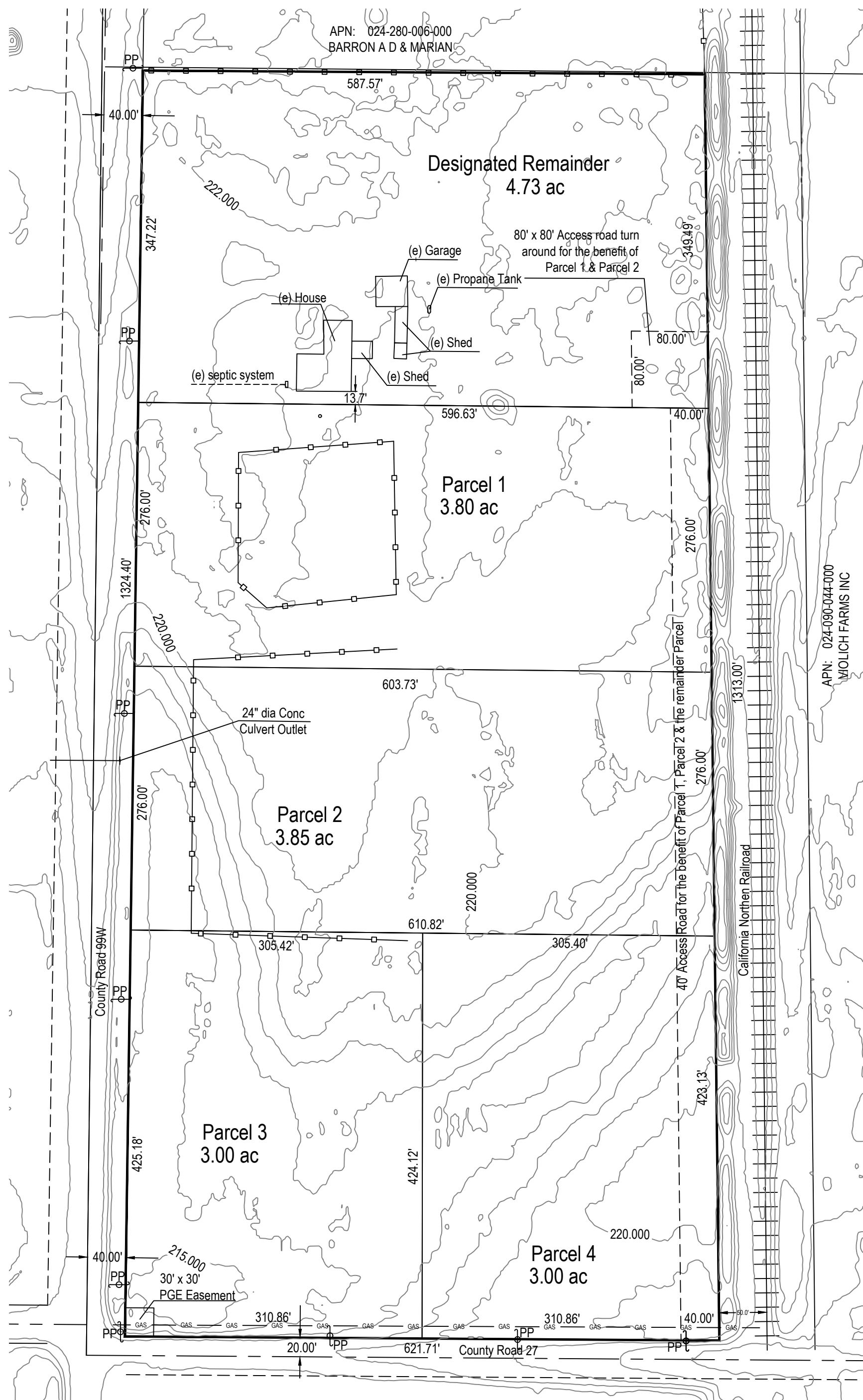
Areas of Dumping or Disposal	UNK	
Construction Debris, Fill Dirt, and/or on-site Stockpiles	UNK	
Quarries or Pits	UNK	

Questionnaire Completed By:

AMARDEV S. JOUHAL

Sign and Date:

A.S. Jouhal 02 APR 2023



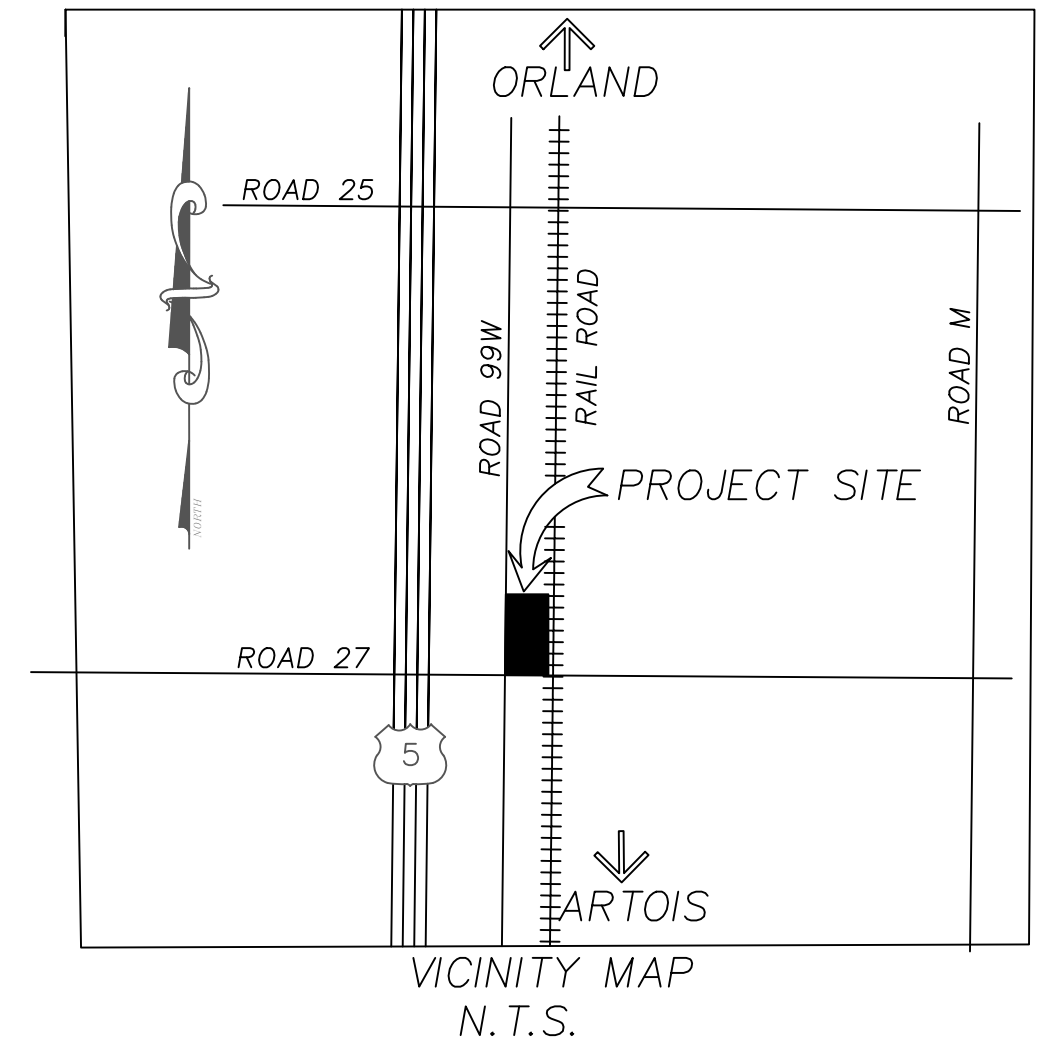
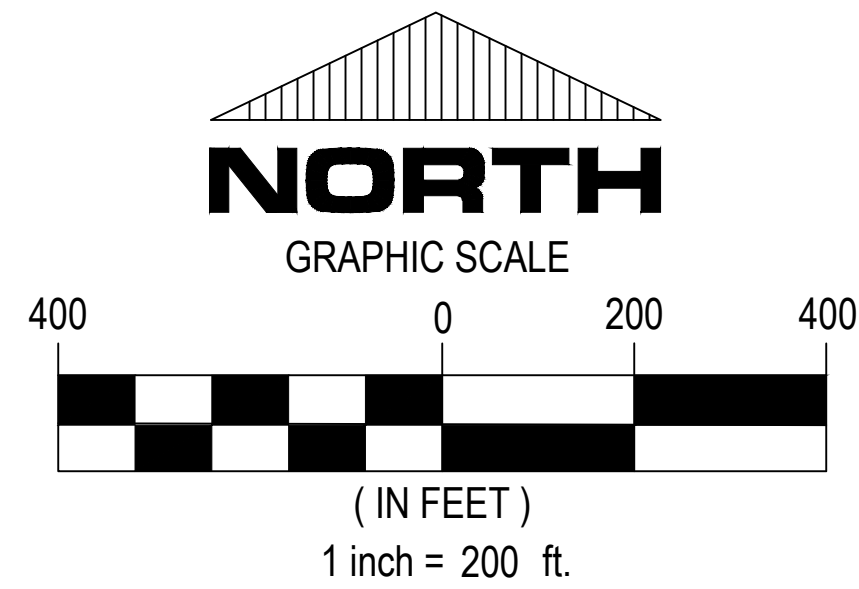
**OWNERS CONSENT**

WE THE UNDERSIGNED OWNERS HEREBY  
 CONSENT TO THE PREPARATION OF THIS  
 TENTATIVE PARCEL MAP

AMARDEV JOUHAL

**OWNERS INFORMATION**

APN: 024-090-013  
 AMARDEV JOUHAL  
 PO BOX 181188  
 CORONADO CA 92178  
 (619) 522-4593



**ELECTRICAL**  
 PG&E

**SEWER**  
 ON-SITE SEPTIC

**WATER**  
 INDIVIDUAL ON-SITE WELLS

**PROPOSED USE:**  
 REMAINDER LOT: SINGLE FAMILY RESIDENTIAL  
 PARCELS 1,2,3,4: SERVICE COMMERCIAL

**EXISTING USE:** SINGLE RESIDENCE

**CURRENT ZONING:** SC

**GENERAL PLAN DESIGNATION:** SERVICE COMMERCIAL

**TENTATIVE PARCEL MAP**

THE SOUTH 1330 FEET OF ALL THAT PART OF SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 21 NORTH, RANGE 3 WEST, WHICH LIES WEST OF THE RAILROAD RIGHT OF WAY AND EAST OF THE STATE HIGHWAY LEADING FROM ORLAND TO GERMANTOWN, SAVING AND EXCEPTING THEREFROM A STRIP OF LAND OFF THE SOUTH AND THEREOF, 20 FEET IN WIDTH USED FOR A PUBLIC HIGHWAY.

**Surveyor's Statement**

This Tentative Parcel Map correctly represents a survey made by me or under my direction in conformance with the requirements of the Professional Land Surveyors' Act at the request of AMARDEV JOUHAL in November 2022.

Brien G. Hamilton, L.S. 8484  
 Hamilton Engineering Incorporated



**PROPOSED PARCELS**

PARCEL 1	3.80 ACRES
PARCEL 2	3.85 ACRES
PARCEL 3	3.00 ACRES
PARCEL 4	3.00 ACRES
REMAINDER	4.73 ACRES

TOTAL 18.38 ACRES

BRIEN G. HAMILTON  
 R.C.E. 67133  
 EXPIRES: 09-30-24

NOVEMBER 2022 SHEET 1 OF 1

PREPARED BY  
 HAMILTON ENGINEERING INC.  
 P.O. BOX 978  
 ORLAND, CA 95963, 530 865-8551





2218 Railroad Avenue  
Redding, California 96001

voice 530.243.7234  
fax 530.243.7494

3860 Morrow Lane, Suite F  
Chico, California 95928

voice 530.894.8966  
fax 530.894.5143

# Analytical Report

NORTH STATE WATER TESTING  
POST OFFICE BOX 1933  
CHICO CA 95973

August 19, 2022  
22H0846

Project Contact: PAUL BEHR  
Project Name: PRIVATE WATER TESTING 3700 COUNTY ROAD 99

Client Sample ID: HOUSE HOSE BIB  
Lab Sample ID: 22H0846-01

Sample Date: 08/15/22 11:55  
Sample Received: 08/16/22 08:39

MICROBIOLOGY	UNITS	RESULTS	MCL	RL
<b>Total Coliforms</b>	<b>Present/Absent</b>	<b>Present</b>		
E. Coli	Present/Absent	Absent		
INORGANIC CHEMICAL	UNITS	RESULTS	MCL	RL
Nitrate as N	mg/l	7.29	10	0.25

Approved By

Approved By:

Bryan Ervin, Chico Location Supervisor  
Pace Analytical Services LLC - Redding CA  
California ELAP Cert #2718

*The data included in this report relate only to the specific items as received, recorded on the Chain of Custody, and analyzed at the laboratory. All data is expressed on a wet-weight basis unless otherwise noted. Interpretation and use of the information included in this report is the sole responsibility of the client. This report may not be reproduced except in full, and may not be modified in any way without prior written approval from Basic Laboratory. Use of this report in whole or part for public advertising or any other commercial purpose requires prior written authorization.*





# SAMPLE RECEIPT CHECKLIST

WO NUMBER 2240846

SHIPPING INFORMATION	
Walk-In	<input checked="" type="checkbox"/>
Courier	<input type="checkbox"/>
FedEx	<input type="checkbox"/>
UPS	<input type="checkbox"/>
Other	<input type="checkbox"/>
Cooler Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Samples Received By: [Signature] Date: 8-16-22

Samples received on ice? Yes  No

Samples received the same day collected? Yes  No

Ice type?  Wet  Blue  Other \_\_\_\_\_

SAMPLE TEMPERATURES AT RECEIPT Therm. ID (Circle one): Therm-C01 Therm-C02 Other: \_\_\_\_\_

Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)
-01	<u>11.2</u>	-06		-11		-16	
-02		-07		-12		-17	
-03		-08		-13		-18	
-04		-09		-14		-19	
-05		-10		-15		-20	

### SAMPLE CONDITION AND PROCESSING

Samples Processed and Labeled By: [Signature] Date: 8-16-22

Yes No NA

Custody seals present?

Samples in proper containers?   \_\_\_\_\_

Sample containers damaged?   \_\_\_\_\_

Sufficient sample volume for indicated tests?   \_\_\_\_\_

Samples received within holding times?   \_\_\_\_\_

Are VOA vials free of headspace?    \_\_\_\_\_

Dechlor. agent labels present (i.e., colilert, TTHMs)?    \_\_\_\_\_

### SAMPLE PRESERVATION NA

Yes No NA

Preserved in the field?

Preserved in the lab?    Lab Preservation Date & Time \_\_\_\_\_

H2SO4 (ID \_\_\_\_\_)  HNO3 (ID \_\_\_\_\_)  NaOH (ID \_\_\_\_\_)

Other (ID \_\_\_\_\_)  Other (ID \_\_\_\_\_)  Other (ID \_\_\_\_\_)

H2SO4 preserved samples confirmed to pH <2 (i.e., E350.1, SM5220, SM5310)?

HNO3 preserved samples confirmed to pH <2 (i.e., E200.7, E200.8, 6010)?

NaOH preserved samples confirmed to pH >10 (cyanide) or >9 (sulfide)?

Hexavalent Chromium (DW) preserved samples confirmed to pH >8 & Chlorine <0.1 mg/l?

Hexavalent Chromium (W) preserved samples confirmed to pH 9.3 - 9.7?    By: \_\_\_\_\_ Meter ID: \_\_\_\_\_

Are proper preservation lables present?

Preservation checked at Lab? Date & Time \_\_\_\_\_ Test Strip (ID \_\_\_\_\_)

Preservation and Preservation Checks performed by: \_\_\_\_\_

### COMMENTS, DISCREPANCEIS, ANOMALIES

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## HOW TO READ YOUR REPORT

### TERMS

ND	Not detected; below the Reporting Limit.
<	Less than reporting limit, not detected.
mg/l	milligrams per liter or parts per million
ug/l	micrograms per liter or parts per billion
NTU	Nephelometric Turbidity Units
RL	Reporting Limit - the lowest level at which this analyte will be reported.
MCL	Maximum Contaminant Level - The level at which the EPA has determined that this element may cause negative health effects. Primary MCLs are set at, or close to the Public Health Goals (PHG) and/or Regulatory Action Levels. If your result is higher than the MCL, you should consult a water treatment specialist. California also recognizes Secondary and tiered MCLs. <b>Secondary MCLs</b> may be set to protect the odor, taste, and appearance of drinking water.

### Basic Laboratory is not an expert in the treatment of water.

For more information about potentially toxic constituents, their causes, associated health effects, and treatment options, see the EPA's Private Well page: [water.epa.gov/drink/info/well](http://water.epa.gov/drink/info/well), or the National Groundwater Association: [wellowner.org](http://wellowner.org).

For treatment options call a local water treatment professional. Look for National Groundwater Association Certification or a state certified Drinking Water Treatment & Distribution System (T1 or D1) Operator.

### MICROBIOLOGY

#### Total Coliforms & E. Coli

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system.

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems. The water should not be used at all until the system has been treated and a subsequent retest is negative.

These bacteria may be analyzed using either a 24 hour growth test providing either a "Present" or "Absent" result, or by an enumerated growth test which provides a number >1 if total coliform or e.coli bacteria is detected.

### GENERAL MINERALS

#### Alkalinity

Alkalinity is a measure of the acid-neutralizing capacity of water. Low alkalinity waters (<30 mg/l CaCO<sub>3</sub>) tend to dissolve minerals and metals. High alkalinity waters (>300 ppm CaCO<sub>3</sub>) tend to deposit minerals and metals. Bicarbonate, Carbonate and Hydroxide are measurements of Alkalinity. There is no current EPA limit regarding safety levels.

#### Calcium

Calcium is a naturally occurring essential mineral for plants and animals. Calcium (and Magnesium) is used as an indicator of water hardness. Surface water typically has lower amounts (<15 mg/l) than most ground water (up to 500 mg/l). There are no established safety levels.

#### Chloride

Chloride is a naturally occurring element, typically associated with salty tasting water. Consistently high levels may harm metal plumbing and growing plants. CA Secondary MCL: 500 mg/l.

#### Hardness

Hardness is a measure of two naturally occurring minerals (Calcium and Magnesium) that are indicated in scaling of appliances with a whitish build up and soap consumption. Soft water is ideal for most appliances, result ranges are: soft: <17.1; slightly hard: 17.1 to 60; moderately hard: 60 to 120; hard: 120 to 180; very hard: >180 mg/l. There is no current EPA limit regarding safety levels.

#### Iron

Iron is a naturally occurring metal that can make water look rusty, leave reddish-brown stains, and have a metallic taste. It may leach from natural deposits or from industrial wastes. The current CA Secondary MCL is 300 ug/l.

#### Magnesium

Magnesium is an abundant, naturally occurring essential metal for plants and animals. Magnesium (with Calcium) is used as an indicator of water hardness, especially in water heaters. Surface and ground water easily contain around 5 mg/l. There are currently no established safety levels.

#### Manganese

Manganese is a naturally occurring metal that can leave dark brown-black stains and a bitter, metallic taste. The current CA Secondary MCL is 50 ug/l. High levels of manganese in people have been shown to result in effects of the nervous system.

#### pH

The measure of pH indicates an acidic, neutral, or basic character of water. Ideal drinking water is near pH 7; too low (<6.5) or too high (>8.5) may cause problems for plumbing and appliances. The current EPA recommended pH range is from 6.5 to 8.5.

#### Potassium

Potassium is a dietary requirement for nearly all living organisms. Potassium plays a central role in plant growth, and is a limiting factor. Potassium from dead plant and animal material is often bound to clay minerals in soils, before it dissolves in water as salts. Typical river water contains about 3 mg/l. There are currently no established safety levels, though concentrations greater than 100 mg/l are hazardous to some fish.

#### Sodium

Sodium is typically found in nature as a salt, sodium chloride (table salt) is the most recognizable form. Ground water and some mineral waters can easily contain around 50 mg/l. There are currently no established safety levels, though the EPA has interim suggested levels of 20 mg/l in public drinking water.



## HOW TO READ YOUR REPORT

### Specific Conductance or Conductivity

Conductivity measures the ability of water to carry an electrical current; it is an indirect measure of salt and mineral ions in a water sample. Higher conductivities correlate with higher levels of salts. The CA Secondary MCL is 1600  $\mu\text{mhos/cm}$ .

### Sulfate

Sulfate ( $\text{SO}_4^{2-}$ ) is a measure of the oxidized sulfur compounds found in samples, these come from natural sources or iron mining operations. Water with high sulfate will sometimes have a 'medicine' taste and can cause a laxative effect. The CA Secondary MCL is 500 mg/l.

### MBAS (Surfactants / Foaming Agents)

Surfactants and foaming agents are anionic cleaning compounds (typically used in homes) that leave a filmy or foamy residue. Typical sources are household or industrial cleaning waste. The current CA Secondary MCL is 500 ug/l.

### Total Dissolved Solids

Dissolved solids are tiny precipitates that appear when water is boiled or evaporated away - sourced from natural deposits or brackish water contamination. High total dissolved solids can increase water hardness and leave deposits on appliances. The current CA secondary standard is 1000 mg/l.

## GENERAL PHYSICAL

### Color

Tinted water is generally caused by contact with naturally-occurring organic materials. Color itself does not determine whether or not water is pure, however water's color may provide evidence that there is some form of contamination. Colored water may stain textile and fixtures. CA Secondary MCL is 15 units.

### Odor

Odors in well water are generally caused by contact with naturally-occurring decomposing organic materials. Some water may also contain the chemical hydrogen sulfide gas, which smells just like rotten eggs. Water containing hydrogen sulfide can have an odor that is objectionable (and the water may taste really bad), but generally the water is not harmful to health. CA Secondary MCL is 3 units.

### Turbidity

Turbidity is a measure of the clarity of water typically caused by clays, silts, and fine organic materials but has no direct health effects. A high level (>5 NTU) of turbidity can interfere with disinfection system and provide a medium for microbial growth. There is no current EPA limit regarding safety levels.

## METALS

### Aluminum

Aluminum is a naturally occurring non-essential metal and is often used in alum precipitation for water treatment. Higher levels (>50 ug/l) may give water samples color or tint. Some people who drink water containing aluminum in excess of 1 mg/l over many years may experience short-term gastrointestinal tract effects. The current EPA MCL is 1 mg/l.

### Antimony

Antimony is a naturally occurring metal and is used in flame retardant, batteries, pigments, and ceramics/glass. Some people who drink water containing antimony in excess of 6 ug/l for many years may experience increases in blood cholesterol and decreases in blood sugar. The current EPA MCL is 6 ug/l.

### Arsenic

Arsenic is a naturally occurring element in soils but is also used in wood preservation, industrial manufacturing, petroleum refining, and pesticide production. Some people who drink water containing arsenic in excess of 10 ug/l over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer. The current EPA MCL is 10 ug/l.

### Barium

Barium is a lustrous metal which exists in nature only in ores containing mixtures of elements. It is used in making a wide variety of electronic components, in metal alloys, bleaches, dyes, fireworks, ceramics and glass. In particular, it is used in well drilling operations where it is directly released into the ground. Some people who drink water containing barium well in excess of 1000 ug/l for many years could experience an increase in blood pressure. The current EPA MCL is 1000 ug/l.

### Beryllium

Beryllium is an inorganic metallic element of either white or colorless compounds that do not have a particular smell. Sources are waste of electrical, aerospace, defense industries, metal refineries, and coal-burning factories. Some people who drink water containing beryllium in excess of 4 ug/l for many years may develop intestinal lesions. The current EPA MCL is 4 ug/l.

### Cadmium

Cadmium is a metal found in natural deposits and is used primarily for metal plating and coating operations, baking enamels, photography, television phosphors, nickel-cadmium solar batteries and pigments. Some people who drink water containing cadmium in excess of 5 ug/l for many years may experience kidney damage. The current EPA MCL is 5 ug/l.

### Chromium – Total

Chromium is an odorless and tasteless metallic element. Chromium-3 and -6 are found naturally in rocks, plants, soil, volcanic dust, humans, animals, and steel mills. Chromium-3 (trivalent) is an essential human dietary element and occurs naturally in many vegetables, fruits, meats, grains and yeast; and would only be a concern in drinking water at very high levels of contamination. Chromium-6 (hexavalent) is more toxic and poses potential health risks. Some people who use water containing chromium in excess of 50 ug/l over many years may experience allergic dermatitis. The current EPA MCL is 50 ug/l.

### Chromium – Hexavalent

Chromium-6 occurs naturally in the environment from the erosion of natural deposits but it can also be produced by industrial processes such as electroplating, leather tanneries, wood preservation, chemical synthesis, refractory production and textile manufacturing. Some people who drink water containing hexavalent chromium in excess of the MCL of many years may

## HOW TO READ YOUR REPORT

have an increased risk of getting cancer. The current CA MCL is 10 ug/l.

### Copper

Copper is a metal found in natural deposits such as ores containing other elements that may cause blue-green stains and a metallic taste. Copper may be used in household plumbing materials and can leach into water through corrosion of metal caused by a chemical reaction between water and your plumbing. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctors. The current EPA action level is 1300 ug/l.

### Fluoride

Fluoride is a naturally occurring mineral, or is added to water for dental health. Some people who drink water containing fluoride in excess of the EPA MCL of 4 mg/l over many years may get bone disease, including pain and tenderness of the bones. Children who drink water containing fluoride in excess of the CA MCL of 2 mg/l may get mottled teeth.

### Lead

Lead is a toxic metal that was used for many years in products found in and around homes. Lead was sometimes used in household plumbing materials or in water service lines used to bring water from the main to the home. A prohibition on lead in plumbing materials has been in effect since 1986. Infants and children who drink water containing lead in excess of the action level may experience delays in their physical or mental development. Children may show slight deficits in attention span and learning abilities. Adults who drink this water over many years may develop kidney problems or high blood pressure. The current EPA Action Level is 15 ug/l.

### Mercury

Mercury is a liquid metal found in natural deposits or discharge from refineries and factories; runoff from landfills; and runoff from croplands. Some people who drink water containing mercury in excess of 2 ug/l over many years may experience mental disturbances, or impaired physical coordination, speech and hearing. The current EPA MCL is 2 ug/l.

### Nickel

Nickel is a naturally occurring metal in soils but alternative sources are leaching from metal piping or electroplating; or industrial waste. Some people who drink water containing nickel in excess of 100 ug/l over many years may experience liver and heart effects. The current EPA MCL is 100 ug/l.

### Nitrate

Nitrate (NO<sub>3</sub> as Nitrogen) is an inorganic compound found naturally in soils but more often associated with septic tank waste and fertilizer runoff. Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and

blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women. The current EPA MCL is 10 mg/l.

### Nitrite

Nitrite (NO<sub>2</sub> as Nitrogen) is an inorganic compound found naturally in soils but more often associated with septic tank waste and fertilizer runoff. Infants below the age of six months who drink water containing nitrite in excess of the MCL may quickly become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blueness of the skin. The current EPA MCL is 1 mg/l.

### Selenium

Selenium is a metal and an essential nutrient found in natural deposits and from ore processing. The greatest use of selenium compounds are in electronics, photocopier components and various industrial manufacturing. Some people who drink water containing selenium in excess of 50 ug/l over many years may experience hair or fingernail loss, numbness in fingers or toes, or circulation system problems. The current EPA MCL is 50 ug/l.

### Silver

Silver is a naturally occurring metal in soils with increased levels from industrial waste or water treatment processes. Consuming large quantities have been associated with skin discoloration and greying of the white part of the eye. The current CA Secondary MCL is 100 ug/l.

### Strontium

Strontium occurs naturally in rocks, soil, water, and air. Strontium concentrations may also be increased by coal ash, incinerator ash, and industrial wastes. Strontium in soil dissolves easily in water, so it is likely to enter groundwater. A typical amount in surface water is approximately 50 ug/l; while ground water can range up to 10,000 ug/l. There are currently no established safety levels.

### Thallium

Thallium is a metal found in natural deposits and ore processing. The greatest use of thallium is in specialized electronic research equipment. Some people who drink water containing thallium in excess of the MCL over many years may experience hair loss, changes in their blood, or kidney, intestinal, or liver problems. The current EPA MCL is 2 ug/l.

### Zinc

Zinc is a naturally occurring element in soils and is an essential nutrient; other sources include industrial wastes. Excessive amount of zinc can lead to metallic tasting water. The current CA Secondary MCL is 5000 ug/l.

## HOW TO READ YOUR REPORT

### MISCELLANEOUS

#### Corrosivity (Aggressive Index)

Corrosive water, also known as “aggressive water,” is water that may dissolve materials it comes in contact with over time. This naturally occurring water condition can become problematic when it dissolves metals from a plumbing system. Corrosive water can cause aesthetic and/or health-related problems, and may even eat holes in metal plumbing systems. An index reading of  $<10$  = very aggressive;  $10 - 11.9$  = moderately aggressive;  $>12$  = non-aggressive.

#### Silica

Silica comes from the weathering of silicate minerals in the ground. When dissolved in water, silica causes no harmful effects to humans, but large amounts can cause scaling in pipes that impacts water flow, and it can interfere with iron and manganese removal.



2218 Railroad Avenue  
Redding, California 96001

voice 530.243.7234  
fax 530.243.7494

3860 Morrow Lane, Suite F  
Chico, California 95928

voice 530.894.8966  
fax 530.894.5143

# Analytical Report

North State Water Testing  
Post Office Box 1933  
Chico CA 95973

September 02, 2022  
22I0013

Project Contact: Paul Behr  
Project Name: Private Water Testing 3700 County Road 99

Client Sample ID: House Hose Bib  
Lab Sample ID: 22I0013-01

Sample Date: 08/31/22 13:05  
Sample Received: 09/01/22 09:18

MICROBIOLOGY	UNITS	RESULTS	MCL	RL
Total Coliforms	Present/Absent	Absent		
E. Coli	Present/Absent	Absent		

Approved By

Approved By:

Bryan Ervin, Chico Location Supervisor  
Pace Analytical Services LLC - Redding CA  
California ELAP Cert #2718

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**BASIC LABORATORY, INC. - CHAIN OF CUSTODY**

(FOR DRINKING WATER - MICROBIOLOGY)

2218 Railroad Avenue, Redding, CA 96001 (530) 243-7234 FAX (530) 243-7494  
 3860 Morrow Lane, Sulte F Chico, CA 95928 (530) 894-8966 FAX: (530) 894-5143

**CLIENT NAME**

**NORTH STATE WATER TESTING**

MAILING ADDRESS

POST OFFICE BOX 1933  
 CHICO, CA 95973

**PROJECT NAME**

**PRIVATE WATER TESTING**

3700 County Road 99

REPORT TO  Email  Mail Hardcopy

NAME / ATTENTION  
 PAUL BEHR

PHONE  
 530-345-3412

EMAIL  
 paulnswt@aol.com

REGULATORY AGENCY  
 N/A

**Contact for positive results:**

Name: PAUL BEHR

Phone: 530-345-3412

Alt. contact for positive results:

Name:

Phone:

Weekend contact for positive results:

Name:

Phone:

PWS # (If Applicable)

N/A

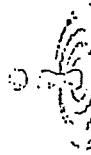
TURN AROUND TIME REQUESTED

Standard  Rush

PAGE 1 OF 1

LABORATORY WORK ORDER #

2210013



basic laboratory

**ANALYSES REQUESTED**

Field	Requested
Field Chorine Residual (mg/L)	<input checked="" type="checkbox"/>
Total Coliforms / E. coli (Present / Absent)	<input checked="" type="checkbox"/>
Total Coliforms / E. coli (Enumerated - Quanti-Tray)	<input type="checkbox"/>

**NUMBER OF CONTAINERS**

1

**REGULATORY ID / SOURCE CODE (If Applicable)**

**SAMPLE LOCATION / IDENTIFICATION / DESCRIPTION**

House hose b.b

**SAMPLING / ANALYSIS COMMENTS**

SAMPLED BY: (please print) Jordan Hayslem

RELINQUISHED DATE / TIME: 09/01/22 / 0916

I authorize Basic Laboratory to perform the indicated tests. By signing I agree to the TERMS and CONDITIONS, (www.basiclab.com/terms)

**NAME**

Jordan Hayslem

**DATE**

09/01/22

**RECEIVED BY**

Jordan Hayslem

**DATE/TIME**

9-1-22 0918

**RELINQUISHED BY**

Jordan Hayslem

**DATE/TIME**

9-1-22 1506

**\*SAMPLE TYPE CODES (NR = Non-Regulated)**

- 1 - Routine
- 2 - Repeat
- 3 - Replacement
- 4 - Special (Not sent to Regulatory)
- 5A - Groundwater
- 5B - Surface Water
- 6 - Other (Sent to Regulatory)



# SAMPLE RECEIPT CHECKLIST

WO NUMBER 22 I0013

SHIPPING INFORMATION	
Walk-In	<input type="checkbox"/>
Courier	<input type="checkbox"/>
FedEx	<input type="checkbox"/>
UPS	<input type="checkbox"/>
Other	<input type="checkbox"/>
Cooler Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Samples Received By: [Signature] Date: 9-1-22

Samples received on ice? Yes  No

Samples received the same day collected? Yes  No

Ice type?  Wet  Blue  Other \_\_\_\_\_

### SAMPLE TEMPERATURES AT RECEIPT

Therm. ID (Circle one): Therm-C01 Therm-C02 Other: \_\_\_\_\_

Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)	Sample ID	Corr Temp (°C)
-01	<u>14.4</u>	-06		-11		-16	
-02		-07		-12		-17	
-03		-08		-13		-18	
-04		-09		-14		-19	
-05		-10		-15		-20	

### SAMPLE CONDITION AND PROCESSING

Samples Processed and Labeled By: [Signature] Date: 9-1-22

	Yes	No	NA
Custody seals present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Samples in proper containers?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample containers damaged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sufficient sample volume for indicated tests?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are VOA vials free of headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Dechlor. agent labels present (i.e., colilert, TTHMs)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### SAMPLE PRESERVATION NA

	Yes	No	NA
Preserved in the field?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Preserved in the lab?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Lab Preservation Date & Time \_\_\_\_\_

H2SO4 (ID \_\_\_\_\_)     HNO3 (ID \_\_\_\_\_)     NaOH (ID \_\_\_\_\_)

Other (ID \_\_\_\_\_)     Other (ID \_\_\_\_\_)     Other (ID \_\_\_\_\_)

	Yes	No	NA
H2SO4 preserved samples confirmed to pH <2 (i.e., E350.1, SM5220, SM5310)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HNO3 preserved samples confirmed to pH <2 (i.e., E200.7, E200.8, 6010)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NaOH preserved samples confirmed to pH >10 (cyanide) or >9 (sulfide)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hexavalent Chromium (DW) preserved samples confirmed to pH >8 & Chlorine <0.1 mg/l?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hexavalent Chromium (W) preserved samples confirmed to pH 9.3 - 9.7?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Are proper preservation lables present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

By: \_\_\_\_\_ Meter ID: \_\_\_\_\_

Preservation checked at Lab? Date & Time \_\_\_\_\_ Test Strip (ID \_\_\_\_\_)

Preservation and Preservation Checks performed by: \_\_\_\_\_

### COMMENTS, DISCREPANCEIS, ANOMALIES

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## HOW TO READ YOUR REPORT

### TERMS

ND	Not detected; below the Reporting Limit.
<	Less than reporting limit, not detected.
mg/l	milligrams per liter or parts per million
ug/l	micrograms per liter or parts per billion
NTU	Nephelometric Turbidity Units
RL	Reporting Limit - the lowest level at which this analyte will be reported.
MCL	Maximum Contaminant Level - The level at which the EPA has determined that this element may cause negative health effects. Primary MCLs are set at, or close to the Public Health Goals (PHG) and/or Regulatory Action Levels. If your result is higher than the MCL, you should consult a water treatment specialist. California also recognizes Secondary and tiered MCLs. <b>Secondary MCLs</b> may be set to protect the odor, taste, and appearance of drinking water.

### Basic Laboratory is not an expert in the treatment of water.

For more information about potentially toxic constituents, their causes, associated health effects, and treatment options, see the EPA's Private Well page: [water.epa.gov/drink/info/well](http://water.epa.gov/drink/info/well), or the National Groundwater Association: [wellowner.org](http://wellowner.org).

For treatment options call a local water treatment professional. Look for National Groundwater Association Certification or a state certified Drinking Water Treatment & Distribution System (T1 or D1) Operator.

### MICROBIOLOGY

#### Total Coliforms & E. Coli

Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, waterborne pathogens may be present or that a potential pathway exists through which contamination may enter the drinking water distribution system.

E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Human pathogens in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a greater health risk for infants, young children, the elderly, and people with severely-compromised immune systems. The water should not be used at all until the system has been treated and a subsequent retest is negative.

These bacteria may be analyzed using either a 24 hour growth test providing either a "Present" or "Absent" result, or by an enumerated growth test which provides a number >1 if total coliform or e.coli bacteria is detected.

### GENERAL MINERALS

#### Alkalinity

Alkalinity is a measure of the acid-neutralizing capacity of water. Low alkalinity waters (<30 mg/l CaCO<sub>3</sub>) tend to dissolve minerals and metals. High alkalinity waters (>300 ppm CaCO<sub>3</sub>) tend to deposit minerals and metals. Bicarbonate, Carbonate and Hydroxide are measurements of Alkalinity. There is no current EPA limit regarding safety levels.

#### Calcium

Calcium is a naturally occurring essential mineral for plants and animals. Calcium (and Magnesium) is used as an indicator of water hardness. Surface water typically has lower amounts (<15 mg/l) than most ground water (up to 500 mg/l). There are no established safety levels.

#### Chloride

Chloride is a naturally occurring element, typically associated with salty tasting water. Consistently high levels may harm metal plumbing and growing plants. CA Secondary MCL: 500 mg/l.

#### Hardness

Hardness is a measure of two naturally occurring minerals (Calcium and Magnesium) that are indicated in scaling of appliances with a whitish build up and soap consumption. Soft water is ideal for most appliances, result ranges are: soft: <17.1; slightly hard: 17.1 to 60; moderately hard: 60 to 120; hard: 120 to 180; very hard: >180 mg/l. There is no current EPA limit regarding safety levels.

#### Iron

Iron is a naturally occurring metal that can make water look rusty, leave reddish-brown stains, and have a metallic taste. It may leach from natural deposits or from industrial wastes. The current CA Secondary MCL is 300 ug/l.

#### Magnesium

Magnesium is an abundant, naturally occurring essential metal for plants and animals. Magnesium (with Calcium) is used as an indicator of water hardness, especially in water heaters. Surface and ground water easily contain around 5 mg/l. There are currently no established safety levels.

#### Manganese

Manganese is a naturally occurring metal that can leave dark brown-black stains and a bitter, metallic taste. The current CA Secondary MCL is 50 ug/l. High levels of manganese in people have been shown to result in effects of the nervous system.

#### pH

The measure of pH indicates an acidic, neutral, or basic character of water. Ideal drinking water is near pH 7; too low (<6.5) or too high (>8.5) may cause problems for plumbing and appliances. The current EPA recommended pH range is from 6.5 to 8.5.

#### Potassium

Potassium is a dietary requirement for nearly all living organisms. Potassium plays a central role in plant growth, and is a limiting factor. Potassium from dead plant and animal material is often bound to clay minerals in soils, before it dissolves in water as salts. Typical river water contains about 3 mg/l. There are currently no established safety levels, though concentrations greater than 100 mg/l are hazardous to some fish.

#### Sodium

Sodium is typically found in nature as a salt, sodium chloride (table salt) is the most recognizable form. Ground water and some mineral waters can easily contain around 50 mg/l. There are currently no established safety levels, though the EPA has interim suggested levels of 20 mg/l in public drinking water.



## HOW TO READ YOUR REPORT

### Specific Conductance or Conductivity

Conductivity measures the ability of water to carry an electrical current; it is an indirect measure of salt and mineral ions in a water sample. Higher conductivities correlate with higher levels of salts. The CA Secondary MCL is 1600  $\mu\text{mhos/cm}$ .

### Sulfate

Sulfate ( $\text{SO}_4^{2-}$ ) is a measure of the oxidized sulfur compounds found in samples, these come from natural sources or iron mining operations. Water with high sulfate will sometimes have a 'medicine' taste and can cause a laxative effect. The CA Secondary MCL is 500 mg/l.

### MBAS (Surfactants / Foaming Agents)

Surfactants and foaming agents are anionic cleaning compounds (typically used in homes) that leave a filmy or foamy residue. Typical sources are household or industrial cleaning waste. The current CA Secondary MCL is 500 ug/l.

### Total Dissolved Solids

Dissolved solids are tiny precipitates that appear when water is boiled or evaporated away - sourced from natural deposits or brackish water contamination. High total dissolved solids can increase water hardness and leave deposits on appliances. The current CA secondary standard is 1000 mg/l.

## GENERAL PHYSICAL

### Color

Tinted water is generally caused by contact with naturally-occurring organic materials. Color itself does not determine whether or not water is pure, however water's color may provide evidence that there is some form of contamination. Colored water may stain textile and fixtures. CA Secondary MCL is 15 units.

### Odor

Odors in well water are generally caused by contact with naturally-occurring decomposing organic materials. Some water may also contain the chemical hydrogen sulfide gas, which smells just like rotten eggs. Water containing hydrogen sulfide can have an odor that is objectionable (and the water may taste really bad), but generally the water is not harmful to health. CA Secondary MCL is 3 units.

### Turbidity

Turbidity is a measure of the clarity of water typically caused by clays, silts, and fine organic materials but has no direct health effects. A high level (>5 NTU) of turbidity can interfere with disinfection system and provide a medium for microbial growth. There is no current EPA limit regarding safety levels.

## METALS

### Aluminum

Aluminum is a naturally occurring non-essential metal and is often used in alum precipitation for water treatment. Higher levels (>50 ug/l) may give water samples color or tint. Some people who drink water containing aluminum in excess of 1 mg/l over many years may experience short-term gastrointestinal tract effects. The current EPA MCL is 1 mg/l.

### Antimony

Antimony is a naturally occurring metal and is used in flame retardant, batteries, pigments, and ceramics/glass. Some people who drink water containing antimony in excess of 6 ug/l for many years may experience increases in blood cholesterol and decreases in blood sugar. The current EPA MCL is 6 ug/l.

### Arsenic

Arsenic is a naturally occurring element in soils but is also used in wood preservation, industrial manufacturing, petroleum refining, and pesticide production. Some people who drink water containing arsenic in excess of 10 ug/l over many years may experience skin damage or circulatory system problems, and may have an increased risk of getting cancer. The current EPA MCL is 10 ug/l.

### Barium

Barium is a lustrous metal which exists in nature only in ores containing mixtures of elements. It is used in making a wide variety of electronic components, in metal alloys, bleaches, dyes, fireworks, ceramics and glass. In particular, it is used in well drilling operations where it is directly released into the ground. Some people who drink water containing barium well in excess of 1000 ug/l for many years could experience an increase in blood pressure. The current EPA MCL is 1000 ug/l.

### Beryllium

Beryllium is an inorganic metallic element of either white or colorless compounds that do not have a particular smell. Sources are waste of electrical, aerospace, defense industries, metal refineries, and coal-burning factories. Some people who drink water containing beryllium in excess of 4 ug/l for many years may develop intestinal lesions. The current EPA MCL is 4 ug/l.

### Cadmium

Cadmium is a metal found in natural deposits and is used primarily for metal plating and coating operations, baking enamels, photography, television phosphors, nickel-cadmium solar batteries and pigments. Some people who drink water containing cadmium in excess of 5 ug/l for many years may experience kidney damage. The current EPA MCL is 5 ug/l.

### Chromium – Total

Chromium is an odorless and tasteless metallic element. Chromium-3 and -6 are found naturally in rocks, plants, soil, volcanic dust, humans, animals, and steel mills. Chromium-3 (trivalent) is an essential human dietary element and occurs naturally in many vegetables, fruits, meats, grains and yeast; and would only be a concern in drinking water at very high levels of contamination. Chromium-6 (hexavalent) is more toxic and poses potential health risks. Some people who use water containing chromium in excess of 50 ug/l over many years may experience allergic dermatitis. The current EPA MCL is 50 ug/l.

### Chromium – Hexavalent

Chromium-6 occurs naturally in the environment from the erosion of natural deposits but it can also be produced by industrial processes such as electroplating, leather tanneries, wood preservation, chemical synthesis, refractory production and textile manufacturing. Some people who drink water containing hexavalent chromium in excess of the MCL of many years may

## HOW TO READ YOUR REPORT

have an increased risk of getting cancer. The current CA MCL is 10 ug/l.

### Copper

Copper is a metal found in natural deposits such as ores containing other elements that may cause blue-green stains and a metallic taste. Copper may be used in household plumbing materials and can leach into water through corrosion of metal caused by a chemical reaction between water and your plumbing. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time may experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years may suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctors. The current EPA action level is 1300 ug/l.

### Fluoride

Fluoride is a naturally occurring mineral, or is added to water for dental health. Some people who drink water containing fluoride in excess of the EPA MCL of 4 mg/l over many years may get bone disease, including pain and tenderness of the bones. Children who drink water containing fluoride in excess of the CA MCL of 2 mg/l may get mottled teeth.

### Lead

Lead is a toxic metal that was used for many years in products found in and around homes. Lead was sometimes used in household plumbing materials or in water service lines used to bring water from the main to the home. A prohibition on lead in plumbing materials has been in effect since 1986. Infants and children who drink water containing lead in excess of the action level may experience delays in their physical or mental development. Children may show slight deficits in attention span and learning abilities. Adults who drink this water over many years may develop kidney problems or high blood pressure. The current EPA Action Level is 15 ug/l.

### Mercury

Mercury is a liquid metal found in natural deposits or discharge from refineries and factories; runoff from landfills; and runoff from croplands. Some people who drink water containing mercury in excess of 2 ug/l over many years may experience mental disturbances, or impaired physical coordination, speech and hearing. The current EPA MCL is 2 ug/l.

### Nickel

Nickel is a naturally occurring metal in soils but alternative sources are leaching from metal piping or electroplating; or industrial waste. Some people who drink water containing nickel in excess of 100 ug/l over many years may experience liver and heart effects. The current EPA MCL is 100 ug/l.

### Nitrate

Nitrate (NO<sub>3</sub> as Nitrogen) is an inorganic compound found naturally in soils but more often associated with septic tank waste and fertilizer runoff. Infants below the age of six months who drink water containing nitrate in excess of the MCL may quickly become seriously ill and, if untreated, may die because high nitrate levels can interfere with the capacity of the infant's blood to carry oxygen. Symptoms include shortness of breath and

blueness of the skin. High nitrate levels may also affect the oxygen-carrying ability of the blood of pregnant women. The current EPA MCL is 10 mg/l.

### Nitrite

Nitrite (NO<sub>2</sub> as Nitrogen) is an inorganic compound found naturally in soils but more often associated with septic tank waste and fertilizer runoff. Infants below the age of six months who drink water containing nitrite in excess of the MCL may quickly become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blueness of the skin. The current EPA MCL is 1 mg/l.

### Selenium

Selenium is a metal and an essential nutrient found in natural deposits and from ore processing. The greatest use of selenium compounds are in electronics, photocopier components and various industrial manufacturing. Some people who drink water containing selenium in excess of 50 ug/l over many years may experience hair or fingernail loss, numbness in fingers or toes, or circulation system problems. The current EPA MCL is 50 ug/l.

### Silver

Silver is a naturally occurring metal in soils with increased levels from industrial waste or water treatment processes. Consuming large quantities have been associated with skin discoloration and greying of the white part of the eye. The current CA Secondary MCL is 100 ug/l.

### Strontium

Strontium occurs naturally in rocks, soil, water, and air. Strontium concentrations may also be increased by coal ash, incinerator ash, and industrial wastes. Strontium in soil dissolves easily in water, so it is likely to enter groundwater. A typical amount in surface water is approximately 50 ug/l; while ground water can range up to 10,000 ug/l. There are currently no established safety levels.

### Thallium

Thallium is a metal found in natural deposits and ore processing. The greatest use of thallium is in specialized electronic research equipment. Some people who drink water containing thallium in excess of the MCL over many years may experience hair loss, changes in their blood, or kidney, intestinal, or liver problems. The current EPA MCL is 2 ug/l.

### Zinc

Zinc is a naturally occurring element in soils and is an essential nutrient; other sources include industrial wastes. Excessive amount of zinc can lead to metallic tasting water. The current CA Secondary MCL is 5000 ug/l.

## HOW TO READ YOUR REPORT

### MISCELLANEOUS

#### Corrosivity (Aggressive Index)

Corrosive water, also known as “aggressive water,” is water that may dissolve materials it comes in contact with over time. This naturally occurring water condition can become problematic when it dissolves metals from a plumbing system. Corrosive water can cause aesthetic and/or health-related problems, and may even eat holes in metal plumbing systems. An index reading of  $<10$  = very aggressive;  $10 - 11.9$  = moderately aggressive;  $>12$  = non-aggressive.

#### Silica

Silica comes from the weathering of silicate minerals in the ground. When dissolved in water, silica causes no harmful effects to humans, but large amounts can cause scaling in pipes that impacts water flow, and it can interfere with iron and manganese removal.

**NORTH STATE WATER TESTING/PUMP****P.O. Box 1933****Chico, Ca 95927**

Phone: (530) 345-3412

D1 Operator License NO: 38720

Contractors license NO: 1084872

**Well Water Production and Analysis Report**

<b>Date:</b>	<b>08/15/22</b>		
<b>Test Location:</b>	<b>3700 County Road 99</b>		
<b>Well Driller:</b>	N/A	<b>Depth of Well:</b>	N/A
<b>Date Drilled:</b>	N/A	<b>Well Size:</b>	8"
		<b>Pipe Size:</b>	1 1/4"
<b>Depth to Water:</b>	85.67'	<b>Original G.P.M.:</b>	N/A
<b>Well Number:</b>	1	<b>Of: (Wells)</b>	1
<b>Type of Pump Used:</b>	Submersible	<b>Model Number:</b>	1 HP
<b>G.P.M. Rate:</b>	4 at house hose bib	<b>Pumping System Supplied By:</b>	N/A

**Start of Test:** 1125

<b>Time:</b>	<b>Water Clarity:</b>	<b>G.P.M.:</b>
1125	Good	8
1155	Good	4

**Reason For Stopping Test:** The 1/2 hour test was complete.

**Total Test Time:** 1/2 Hour

**G.P.M.:** 4

**Testing Operator:** Jordan Hagstrom

**Comments:** See attached system check documents.

**NORTH STATE WATER TESTING/PUMP IS PERFORMING THIS TEST TO PROVE MINIMUM CAPACITY OF THIS WELL, AND HEREBY CERTIFIES THAT THE ABOVE DATA IS CORRECT AND THAT DURING THE ENTIRE TESTING PERIOD, AN OPERATOR WAS PRESENT AND OPERATING THE EQUIPMENT NECESSARY FOR THIS TEST. NORTH STATE WATER TESTING/PUMP MAKES NO CLAIM AS TO THE PERFORMANCE OR RELIABILITY OF THE ABOVE-NAMED WELL WATER SYSTEM.**

**Paul A. Behr**                     *Paul Behr*



## Systems Check

### Pressure System

#### 1. Pressure Tank

<b>Type:</b>	Bladder	<b>Size:</b>	85
<b>Operating Pressure:</b>	0-125	<b>Condition:</b>	Good

#### 2. Safety Relief Valve

<b>Location:</b>	Well head	<b>Condition:</b>	Good
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#### 3. Check Valve:

<b>Location:</b>	Internal on pump	<b>Condition:</b>	Good
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#### 4. Schrader Valve:

<b>Location:</b>	None needed	<b>Condition:</b>	-
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#### 5. Air Control

<b>Location:</b>	None needed	<b>Condition:</b>	-
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#### 6. Vacuum Break:

<b>Location:</b>	None found	<b>Condition:</b>	-
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#### 7. Pressure Switch:

<b>Location:</b>	Tank tee	<b>Type:</b>	FSG2
<b>P.S.I. On:</b>	30	<b>P.S.I. Off:</b>	50
<b>Condition:</b>	Good		

**8. Leak Check:**

<b>Location:</b>	Well head and pressure system	<b>Results:</b>	None found
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**9. Piping Used:**

<b>Type:</b>	PVC, Galvanized	<b>Condition:</b>	Good
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**10. Well Seal:**

<b>In Place:</b>	Yes	<b>Type:</b>	Pressure expansion
<b>Condition:</b>	Good		

**Weather Protection:****1. Tank House:**

<b>Location:</b>	Inside garage of main house	<b>Type:</b>	Cement floor with fully insulated walls and wooden gable roof
<b>Condition:</b>	Good		

**2. External Piping:**

<b>Protection Used:</b>	None	<b>Condition:</b>	Insulation incomplete at well head. Recommend insulating all exterior pipes to protect against freeze and UV damage.
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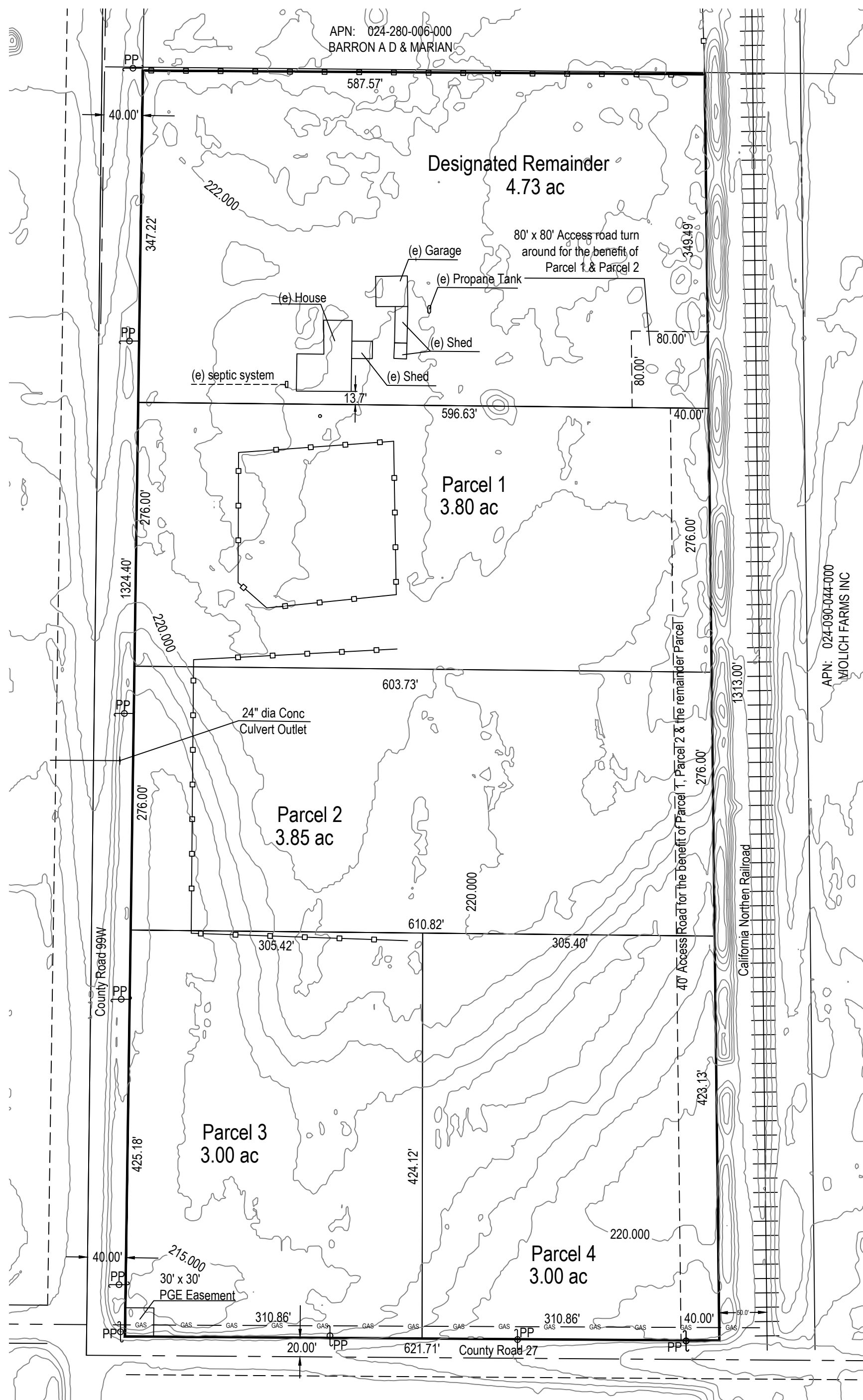
**Electrical System:****1. Service Disconnect:**

<b>Location:</b>	None found	<b>Type:</b>	-
<b>Amps:</b>	-	<b>Condition:</b>	-

**2. Wiring Service:**

<b>Conduit:</b>	Underground	<b>Type:</b>	Metal flex
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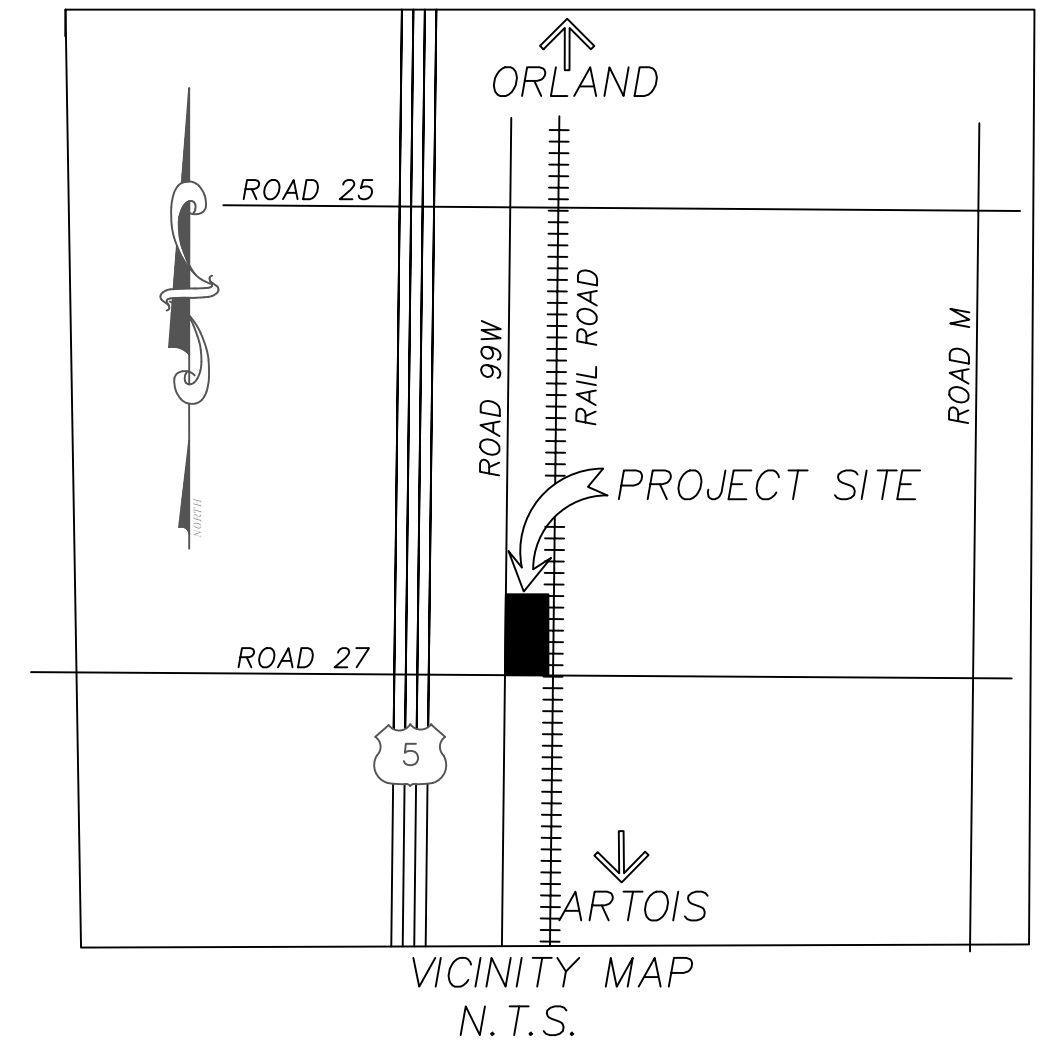
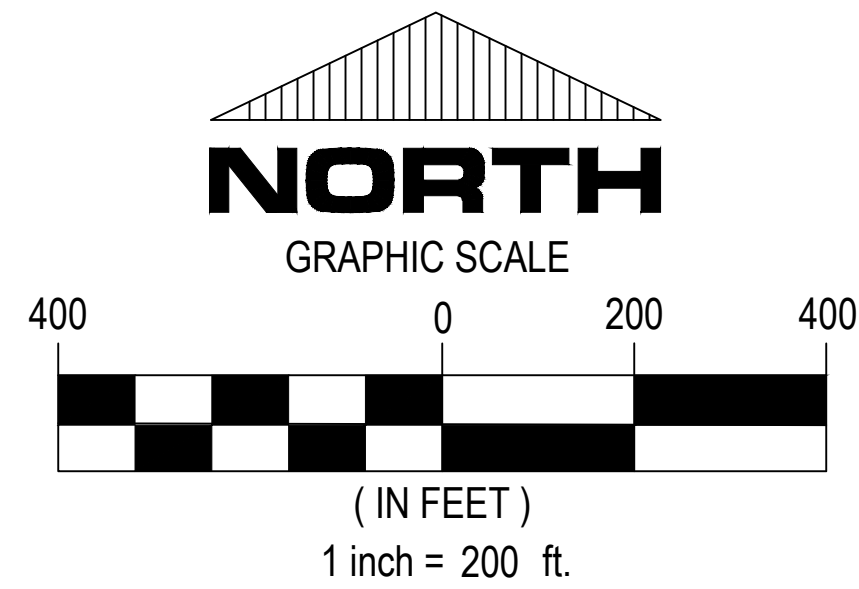
**OWNERS CONSENT**

WE THE UNDERSIGNED OWNERS HEREBY  
 CONSENT TO THE PREPARATION OF THIS  
 TENTATIVE PARCEL MAP

AMARDEV JOUHAL

**OWNERS INFORMATION**

APN: 024-090-013  
 AMARDEV JOUHAL  
 PO BOX 181188  
 CORONADO CA 92178  
 (619) 522-4593



ELECTRICAL  
 PG&E

SEWER  
 ON-SITE SEPTIC

WATER  
 INDIVIDUAL ON-SITE WELLS

PROPOSED USE:  
 REMAINDER LOT: SINGLE FAMILY RESIDENTIAL  
 PARCELS 1,2,3,4: SERVICE COMMERCIAL

EXISTING USE: SINGLE RESIDENCE

CURRENT ZONING: SC

GENERAL PLAN DESIGNATION: SERVICE COMMERCIAL

**TENTATIVE PARCEL MAP**

THE SOUTH 1330 FEET OF ALL THAT PART OF SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 21 NORTH, RANGE 3 WEST, WHICH LIES WEST OF THE RAILROAD RIGHT OF WAY AND EAST OF THE STATE HIGHWAY LEADING FROM ORLAND TO GERMANTOWN, SAVING AND EXCEPTING THEREFROM A STRIP OF LAND OFF THE SOUTH AND THEREOF, 20 FEET IN WIDTH USED FOR A PUBLIC HIGHWAY.

**Surveyor's Statement**

This Tentative Parcel Map correctly represents a survey made by me or under my direction in conformance with the requirements of the Professional Land Surveyors' Act at the request of AMARDEV JOUHAL in November 2022.

Brien G. Hamilton, L.S. 8484  
 Hamilton Engineering Incorporated



**PROPOSED PARCELS**

PARCEL 1	3.80 ACRES
PARCEL 2	3.85 ACRES
PARCEL 3	3.00 ACRES
PARCEL 4	3.00 ACRES
REMAINDER	4.73 ACRES

TOTAL 18.38 ACRES

BRIEN G. HAMILTON  
 R.C.E. 67133  
 EXPIRES: 09-30-24

NOVEMBER 2022 SHEET 1 OF 1

PREPARED BY  
 HAMILTON ENGINEERING INC.  
 P.O. BOX 978  
 ORLAND, CA 95963, 530 865-8551

ED ROMANO, Air Pollution Control Officer,  
Director: Underground Storage Tanks

August 1, 1995

TO: Jim Smerber  
7532 Smerber Rd.  
Carona, Ca. 91719

RE: **CLOSURE STATUS OF UNDERGROUND STORAGE TANKS  
LOCATED AT 6470 COUNTY ROAD 27, ORLAND, GLENN  
COUNTY, CA.**

This letter is in regard to the recent submittal of soil sample results from the proposed closure of Underground Storage Tanks (U.S.T.'s) located at the above mentioned property in Glenn County, Ca. The referenced samples were taken May 23, 1995, as witnessed by Richard Steward of our staff.

Tests were conducted by Applied Remediation Environmental Laboratory, located in San Jose Ca., to detect and quantify levels of contaminants which may be associated with U.S.T.'s. The tanks removed had contained diesel fuel. The tests conducted used EPA method 3540/8015 (modified) to analyze for Total Petroleum Hydrocarbons-Diesel, and EPA method 5030/8015 (modified) to analyze for Benzene, Ethyl benzene, Toluene, and Xylene constituents. The samples were received at the laboratory May 24, 1995, and analyzed May 25 and May 30, 1995.

These tests indicated that results for the samples (identified as "S-1, S-2, and S-3") were below the detection limits of the tests or within acceptable limits normally associated with the closure of underground storage tanks.

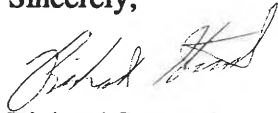
To simplify, based on site conditions and information provided, District staff has determined that appropriate response actions have been completed, and at this time, no further investigation, remedial, or removal action is required at this site known as, 6470 County Road 27, Orland, Glenn County, Ca.

Nothing in this determination shall constitute or be construed as satisfaction or release from liability for any conditions or claims arising as a result of past, current, or future operations at this location. Nothing in this determination is intended or shall be construed to limit the rights of any parties with respect to claims arising out of or relating to deposit or disposal at any other location of substances removed from this site. Nothing in this determination is intended to limit or preclude this office or any other agency from taking any further enforcement action.

This letter does not relieve you of any responsibilities mandated under the California Health and Safety Code and California Water Code if existing, additional, or previously unidentified contamination at this site causes or threatens to cause pollution or nuisance or is found to pose a threat to public health or water quality.

Should you have any questions regarding this matter, please contact this office.

Sincerely,

A handwritten signature in cursive script, appearing to read "Richard Steward".

**Richard Steward**  
**Underground Tank Specialist**

DWR USE ONLY — DO NOT FILL IN

21N | 03W | 09

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

Page 1 of 1

Owner's Well No. \_\_\_\_\_

No. 0952474

Date Work Began 6/23/15, Ended 6/24/15

Local Permit Agency GLENN COUNTY ENVIRONMENTAL HEALTH

Permit No. DW1011-15 Permit Date 5/27/15

GEOLOGIC LOG

ORIENTATION ( )  VERTICAL  HORIZONTAL  ANGLE \_\_\_\_\_ (SPECIFY)

DRILLING METHOD ROTARY FLUID BENTONITE

DEPTH FROM SURFACE		DESCRIPTION <i>Describe material, grain size, color, etc.</i>
Ft.	to Ft.	
0	1	TOP SOIL
1	44	GRAVEL
44	58	CLAY
58	88	GRAVEL
88	126	CLAY
126	130	HARD PAN
130	145	GRAVEL
145	148	CLAY
148	153	GRAVEL
153	155	CLAY



WELL LOCATION

Address 6461 CO RD 25

City ORLAND

County GLENN

APN Book \_\_\_\_\_ Page \_\_\_\_\_ Parcel 024-270-022-0

Township 21N Range 03W Section 09

Lat \_\_\_\_\_ N Long \_\_\_\_\_ W

LOCATION SKETCH NORTH

WEST EAST

ACTIVITY ( )

NEW WELL

MODIFICATION/REPAIR

Deepen

Other (Specify) \_\_\_\_\_

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

USES ( )

WATER SUPPLY

Domestic  Public

Irrigation  Industrial

MONITORING \_\_\_\_\_

TEST WELL \_\_\_\_\_

CATHODIC PROTECTION \_\_\_\_\_

HEAT EXCHANGE \_\_\_\_\_

DIRECT PUSH \_\_\_\_\_

INJECTION \_\_\_\_\_

VAPOR EXTRACTION \_\_\_\_\_

SPARGING \_\_\_\_\_

REMEDICATION \_\_\_\_\_

OTHER (SPECIFY) \_\_\_\_\_

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER \_\_\_\_\_ (Ft.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 45 (Ft.) & DATE MEASURED 6/24/15

ESTIMATED YIELD \* 40 (GPM) & TEST TYPE \_\_\_\_\_

TEST LENGTH \_\_\_\_\_ (Hrs.) TOTAL DRAWDOWN \_\_\_\_\_ (Ft.)

\* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 155 (Feet)

TOTAL DEPTH OF COMPLETED WELL 155 (Feet)

DEPTH FROM SURFACE	BORE-HOLE DIA. (Inches)	CASING (S)								
		TYPE ( )				MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	
Ft.	to Ft.	BLANK	SCREEN	CON-DUCTOR	FILL PIPE					
0	135	9"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PVC	5"OD	F480	-
135	155	9"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PVC	5"OD	F480	3 x 1/8"

DEPTH FROM SURFACE	ANNULAR MATERIAL				
	TYPE				
Ft.	to Ft.	CE-MENT ( )	BEN-TONITE ( )	FILL ( )	FILTER PACK (TYPE/SIZE)
0	50	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1/8" x #4

- ATTACHMENTS ( )
- Geologic Log
  - Well Construction Diagram
  - Geophysical Log(s)
  - Soil/Water Chemical Analyses
  - Other \_\_\_\_\_
- ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME FORTUNE DRILLING  
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS P.O. BOX 1037 CITY RED BLUFF STATE CA ZIP 96080

Signed [Signature] DATE SIGNED 6/25/15 C-57 LICENSE NUMBER 1001345

C-57 LICENSED WATER WELL CONTRACTOR

Willows

Site & TANK Location  
for Jim Smerber

99W

I-5

Rd. 27



N

ORLANDO





# LIMITED SURFACE SOIL INVESTIGATION REPORT



**PREPARED FOR**  
Amardev Jouhal  
**PREPARED BY**  
MEI





July 8, 2023

## Final Report

TO:

Amardev Jouhal  
Current Property Owner

RE: Limited Surface Soil Investigation of Property at 3700 County Road 99W in Orland, California (the Subject Property)

Dear Amardev,

Musson Environmental & Inspection (MEI), provides you the enclosed Limited Surface Soil Investigation Report for the property at 3700 County Road 99W in Orland, Glenn County, California.

This report provides the details from the investigation, including the scope of work performed, sample results, and a discussion with recommendations.

This work was completed in May, 2023. Please call me if you'd like to discuss this further, (916) 261-6301

Tim Musson  
Environmental Professional, EP

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## 1.0 INTRODUCTION

### 1.1 Purpose

The purpose of the investigation was to complete further environmental assessment (due diligence) for the subject property in order to prepare the property for parceling and future commercial development. The investigation has been completed subsequent to a Phase I Environmental Site Assessment (ESA), reported dated April 16, 2023.

The scope of work for this investigation included a limited surface soil investigation, liquid waste characterization, and domestic (drinking) well analysis.

The results of this investigation are summarized in Section 3.0 of this report and the Phase I ESA is summarized in Section 1.3 below. In short, the Phase I ESA identified Recognized Environmental Conditions connected to the former storage use of the subject property (also referred to as property and/or site).

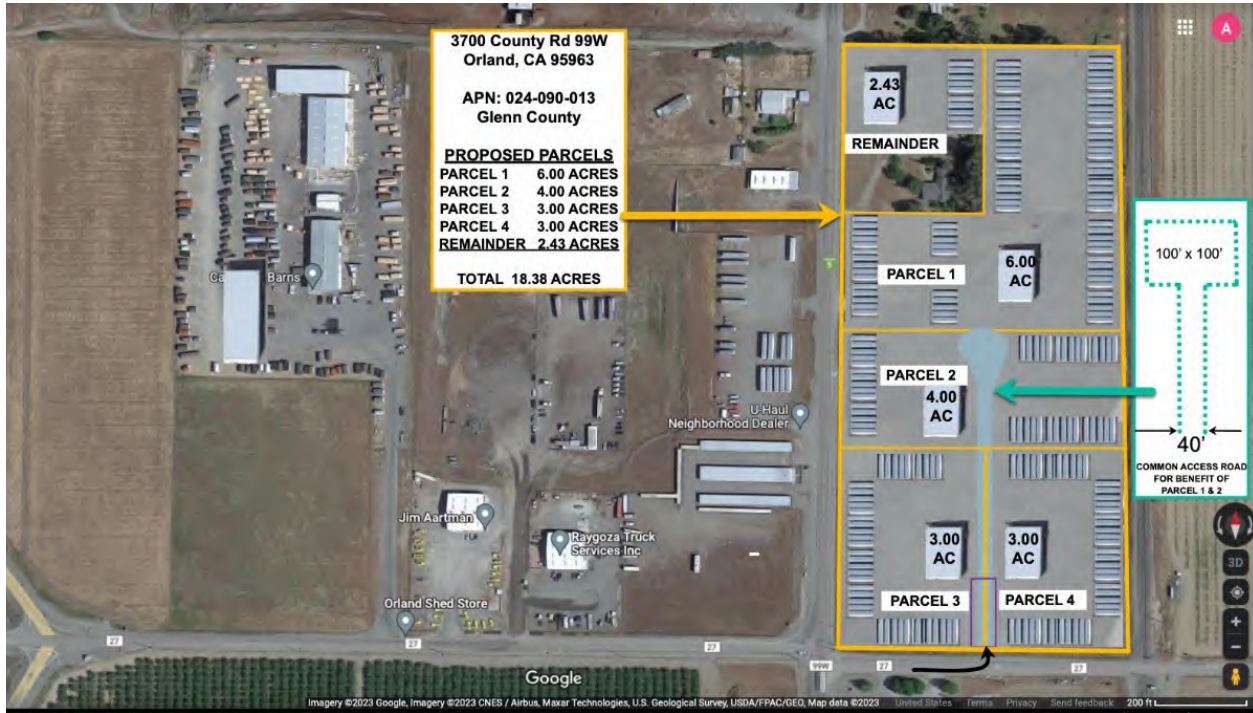
### 1.2 Property Description

The official address of the Site is 3700 County Road 99W, Orland, CA 95963. The parcel number assigned to the subject property by the County of Glenn is 024-090-013.

The subject property is located in a rural area approximately four miles south of Orland city limits and this property occupies the northeast quadrant of County Road 99W and County Road 27. A railroad spur parallels the eastern property boundary. The approximate 20-acre property comprises one parcel housing a residence (single-family home) and associated ancillary structures (sheds for small hobby animals, chickens, dogs, etc), which occupy the northwest section of the parcel. The remaining parcel is vacant land. Access to the property is provided from County Road 99W.

Thus, the current use of the property is residential and vacant land, zoned Service Commercial (SC). It is our understanding that the future use of the property will include a redevelopment into a commercial parking lot (either softscape or hardscape - gravel, asphalt, or concrete), which will serve as both a short and long-term semi-trailer storage area. Furthermore, each parcel will either be leased or sold to a small to mid-sized trucking company, which may further construct a truck repair facility and/or logistic storage facility with up to one owner/caretaker residence per parcel for onsite security. A proposed development map for the property is shown below on the next page.

## Proposed Development Map



A Site Map is presented on the next page, showing an aerial view of the subject property with specific site details, including sample locations.

## Site Map



HA = Hand Auger Boring

### 1.3 Background Information

Reference should be made to our April 16, 2023 Phase I Environmental Site Assessment for the subject property. The assessment revealed the following recognized environmental conditions:

The outcome of the Phase I ESA identified two Recognized Environmental Conditions (RECs) associated with the subject property. The RECs as listed in the Phase I ESA are shown below:

- The site reconnaissance has identified open containers on the north end of the subject property, which contain unknown liquid (liquid waste), potentially petroleum-based and likely associated with the former storage operation that has recently vacated its operation on the subject property. The open containers include one 55-gallon steel drum filled approximately one-third full with an unknown oily-based liquid, and two 5-gallon buckets containing an unknown black liquid. One of the buckets was knocked over and contents also included what appear to be stained rags, likely petroleum-based. Also, smaller closed containers were observed, one labeled as Turbine Oil. In addition, small areas of visible staining were observed throughout the gravelly surface of the subject property. The heaviest staining appears to be on the north end. Based on these observations and current/future residential use of the subject property; in conjunction with, a shallow drinking water table, and gravelly lithology - the EP considers these observations to present an elevated human health risk hence a **Recognized Environmental Condition** to the subject property at this time.
- Prior to this Phase I ESA, the subject property domestic well was sampled for Total Coliform, E. Coli, and Nitrate as N. The test results identified Nitrate as N and Total Coliform, therefore, the well was treated with chlorine and re-tested. The presence of Total Coliform and Nitrate as N in the drinking water is likely attributed to the animal waste associated with the single-family home and/or the septic system. Since bacteria was identified in drinking water, a pathway may exist for other contamination to enter the drinking water table. This pathway is likely attributed to the shallow depth to drinking water (only approximately 85 feet below ground surface) and the gravelly surface lithology. A Well Completion Report found online for the adjoining western property shows the soil lithology to consist of gravel to 44 feet deep, clay from 44-58 feet, then gravel from 58-88 feet; therefore, the thick gravel layers with large soil voids above the drinking water, provide a route for contamination to migrate vertically to the water table. Based on the former (but recent) storage operations on the subject property and the observed field reconnaissance observations, the EP considers the potential for petroleum contamination (VOCs) in the domestic well to present an human health risk hence a **Recognized Environmental Condition** to the subject property at this time.

## 2.0 INVESTIGATION ACTIVITIES

The scope of work for this investigation included a limited surface soil assessment, liquid waste characterization, and domestic (drinking) well analysis.

The majority of field work was completed on April 13, 2023. A quick site visit was also completed on April 26, 2023 where additional sample volume was collected per laboratory request.

### 2.1 Deviations/Limitations

In regard to the analytical laboratory (California Laboratory Services, CLS) and the Volatile Organic Compound analysis for the HA-series soil samples; the laboratory experienced equipment malfunctions and could not get a replacement/repair within the hold time for the samples. Therefore, to avoid a hold time issue, these soil samples were shipped to another laboratory where they were analyzed for the Volatile Organic Compounds. It should be noted that CLS attached this analytical report to the very back of its laboratory analytical report for the remaining samples. All analytical reports are located in the Appendices section of this report.

### 2.2 Limited Surface Soil Assessment

The limited surface soil assessment included the collection of soil samples for both field and laboratory analysis. The samples were collected by advancing four hand auger (HA) borings in suspect and visually impacted areas of the property. This included one HA-boring in a visually impacted (contaminated) area where staining is visible on the surface, one HA-boring in a visually clean area, one HA-boring near an observed spilled bucket with liquid waste, and one HA-boring near a 55-gallon drum with unknown waste. From the four HA-borings, a total of six soil samples were submitted for laboratory analysis. Three of the laboratory soil samples were collected at location HA-1 because this location is presumed to be a worst-case scenario as it exhibits dark visible petroleum staining on the surface. The hand auger was cleaned and de-sanitized between boring locations. The six soil samples targeted for laboratory analysis were placed into laboratory-furnished jars and the samples were placed in a cooler with ice for sample preservation. Nitrile gloves were worn between sampling locations.

In addition, soil headspace samples were collected at each HA-boring and each sample was analyzed using a photoionization detector (PID) with a 10.6 electron-volt lamp. The PID measures the organic vapors in the sample and is a field test often used to determine which sample or samples will be submitted to the laboratory for analysis. Often, the field samples with the highest PID readings are submitted to the laboratory. The results of the soil headspace analysis are summarized in the table below.

The headspace analysis consists of maintaining a portion of each soil sample and placing the sample into a plastic and sealable bag, then it is shaken and kept at ambient temperature for about 15 minutes to allow for headspace organic vapors to develop.

The results of the soil headspace analysis are presented in the table below.



### Soil Headspace Results

HA-Boring	Depth (feet)	PID (parts per million - ppm)	HA-Boring	Depth (feet)	PID (parts per million - ppm)
HA-1	0-1	2.2	HA-2	0-1	0.0
	1-2	7.1		1-2	0.1
	2-3	2.5		2-3	0.2
	3-4	4.3		3-4	0.0
	4-5	0.6		4-5	0.0
HA-3	0-1	0.1	HA-4	0-1	0.2
	1-2	0.0		1-2	0.0
	2-3	0.0		2-3	0.2
	3-4	0.0		3-4	0.2
	4-5	0.1		4-5	0.1

In summary, measurable PID readings (above background ppm) were recorded, and all measurable readings were low – less than 10 ppm. The highest PID reading was observed in HA-1 from 3-4 feet below ground surface, where the PID measured 4.3 ppm.

Soil samples were also collected for laboratory analysis of Extractable Petroleum Hydrocarbons, Total Petroleum Hydrocarbons, and Volatile Organic Compounds (VOCs). From the four HA-boring, six (6) soil samples were collected for laboratory analysis. The results of the laboratory analysis are summarized in the tables below.

### 3.0 Laboratory Analytical

The tables below present the laboratory analytical data for all samples collected during this investigation. The full laboratory report is located in the Appendices section of this report.

#### 3.1 Surface Soil Sampling

This section presents the laboratory results for the limited soil investigation. Soil samples were submitted for Extractable Petroleum Hydrocarbons, Total Petroleum Hydrocarbons, and Volatile Organic Compounds (VOCs).

### Soil Analytical Results - Extractable Petroleum Hydrocarbons (by EPA Method 8015M)

Sample Location (sample depth)	Depth	Diesel	Hydraulic Oil	Kerosene	Mineral Oil	Motor Oil
HA-1	1	240	ND	ND	ND	20,000
HA-1	2-4*	ND	ND	ND	ND	17,000
HA-1	5	ND	ND	ND	ND	18,000
HA-2	5	ND	ND	ND	ND	ND
HA-3	2.5	ND	ND	ND	ND	ND
HA-4	3	ND	ND	ND	ND	380

\* Represents Composite sample which means sample consisted of soil representing a depth range; for example, soil collected from 2-4 feet below ground surface.

ND = Non-Detect. The compound is not detected above laboratory method detection limits.

All data reported in mg/kg (part per million, ppm).

## Soil Analytical Results - Total Petroleum Hydrocarbons (by EPA Method 8015M)

Sample Location (sample depth)	Depth	Gasoline Range Organics (GRO) (mg/kg)
HA-1	1	2.8
HA-1	2-4*	1.4
HA-1	5	1.8
HA-2	5	ND
HA-3	2.5	ND
HA-4	3	ND

\* Represents Composite sample which means sample consists of soil representing a depth range; for example, soil collected from 2-4 feet below ground surface.

ND = Non-Detected above laboratory method detection limit.

**mg/kg = milligram per kilogram (part per million, ppm)**

## Soil Analytical Results - VOCs

(By EPA Method 826)

Sample Location (sample depth)	Depth	Benzene	Toluene	Ethylbenzene	Total Xylenes	Remaining VOC Compounds
HA-1	1	ND	ND	ND	ND	ND
HA-1	2-4*	ND	ND	ND	ND	ND
HA-1	5	ND	ND	ND	ND	ND
HA-2	5	ND	ND	ND	ND	ND
HA-3	2.5	ND	ND	ND	ND	ND
HA-4	3	ND	ND	ND	ND	ND

\* Represents Composite sample which means sample consisted of soil representing a depth range; for example, soil collected from 2-4 feet below ground surface.

ND = Non-Detected above laboratory method detection limit.

All data reported in mg/kg (part per million, ppm).

### 3.2 Domestic Well Sampling

This section presents the results of the domestic well testing. One water sample from the domestic well was submitted to the laboratory for General Minerals, Drinking Water Metals, and Volatile Organic Compounds.

#### Domestic Well - General Minerals (by APHA/EPA Methods)

Chemical	Concentration (mg/l)	MCL (mg/l)
Bicarbonate as CaCO <sub>3</sub>	210	NA
Calcium	58	NA
Carbonate as CO <sub>3</sub>	ND	NA
Chloride	28	*250
Fluoride	ND	4
Hardness as CaCO <sub>3</sub>	260	NA
Hydroxide as CaCO <sub>3</sub>	ND	NA
Magnesium	29	NA
MBAS as LAS	ND	NA
Nitrate as N	5.8	10
pH	6.79	*6.5-8.5
Potassium	1.3	NA
Sodium	24	NA
Specific Conductance (EC)	560	NA
Sulfate as SO <sub>4</sub>	37	*250
Total Alkalinity	210	NA
Total Dissolved Solids	380	*500

\*National Secondary Drinking Water Regulations (NSDWRs)  
 ND = Non-Detected above laboratory method detection limit.  
 mg/l = milligram per liter (part per million, ppb).

## Domestic Well - Drinking Water Metals

(by EPA 200 Series Methods)

Chemical	Concentration (ug/l)	MCL (ug/l)
Aluminum	ND	50-200**
Antimony	ND	6
Arsenic	ND	10
Barium	110	2,000
Beryllium	ND	411
Boron	200	1,000*
Cadmium	ND	5
Chromium	ND	100
Copper	ND	1,300
Iron	ND	300**
Lead	ND	5
Manganese	ND	50**
Mercury	ND	2
Nickel	ND	100
Selenium	ND	50
Silver	ND	100**
Thallium	ND	2
Vanadium	ND	NE
Zinc	ND	5,000**

ND = Non-Detected above laboratory method detection limit.

NE = Not Established.

MCL = EPA Maximum Contaminant Level (MCL).

\*No EPA MCL, instead referred to California EPA Drinking Water Notification Level.

\*\*EPA Secondary MCL (Secondary Drinking Water Standards).

ug/l = microgram per liter (part per billion, ppb).

## Domestic Well - Volatile Organic Compounds (VOCs, by EPA Method 524.2)

Chemical	Concentration (ug/l)	MCL (ug/l)
Multiple VOC compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND	NA
Methylene Chloride	2.5	5

ND = Non-Detected above laboratory method detection limit.

MCL = EPA Maximum Contaminant Level (MCL)

ug/l = microgram per liter (part per billion, ppb)

### 3.3 Liquid Waste Characterization

This section presents the results of the liquid waste characterization / sampling. Liquid waste samples were submitted to the laboratory for General Chemistry Parameters, Resource Conservation & Recovery Act (RCRA) Metals, Toxicity Characteristic Leaching Procedure (TCLP) Pesticides and Herbicides, TCLP Volatile Organic Compounds, and TCLP Semi-Volatile Organic Compounds.

## Liquid Waste - General Chemistry Parameters (by APHA/EPA Methods)

Chemical / Parameter	Concentration
<b><i>DRUM LIQUID WASTE</i></b>	
Corrosivity as pH	3.04
Ignitability by Flashpoint	> 60 degrees Celsius
Reactive Cyanide	ND
Reactive Sulfide	ND
<b><i>BUCKET LIQUID WASTE</i></b>	
Corrosivity as pH	6.95
Ignitability by Flashpoint	> 60 degrees Celsius
Reactive Cyanide	ND
Reactive Sulfide	420 mg/kg

ND = Non-Detected above laboratory method detection limit.

mg/kg = milligram per kilogram (part per million, ppm)

## Liquid Waste - RCRA Metals

(by EPA 6000/7000 Series)

Chemical	Concentration (ug/l)
<b>DRUM LIQUID WASTE</b>	
Arsenic	ND
Barium	180
Cadmium	ND
Chromium	21
Lead	ND
Mercury	ND
Selenium	ND
Silver	ND
<b>BUCKET LIQUID WASTE</b>	
Arsenic	44
Barium	ND
Cadmium	ND
Chromium	110
Lead	ND
Mercury	ND
Selenium	ND
Silver	ND

ND = Non-Detected above laboratory method detection limit.  
ug/l = microgram per liter (part per billion, ppb).

### Liquid Waste - TCLP Pesticides (by EPA Method 1311/8081A)

Chemical	Concentration
<b>DRUM LIQUID WASTE</b>	
Multiple Pesticide compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND
<b>BUCKET LIQUID WASTE</b>	
Multiple Pesticide compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND

ND = Non-Detected above laboratory method detection limit.

### Liquid Waste - TCLP Herbicides (by EPA Method 1311/8151A)

Chemical	Concentration
<b>DRUM LIQUID WASTE</b>	
Multiple Herbicide compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND
<b>BUCKET LIQUID WASTE</b>	
Multiple Herbicide compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND

ND = Non-Detected above laboratory method detection limit.



## Liquid Waste - TCLP Volatile Organic Compounds (by EPA Method 1311/8260B)

Chemical	Concentration
<b>DRUM LIQUID WASTE</b>	
Multiple VOC compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND
<b>BUCKET LIQUID WASTE</b>	
Multiple VOC compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND

ND = Non-Detected above laboratory method detection limit.

## Liquid Waste - TCLP Semivolatile Organic Compounds (by EPA Method 1311/8270C)

Chemical	Concentration
<b>DRUM LIQUID WASTE</b>	
Multiple SVOC compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND
<b>BUCKET LIQUID WASTE</b>	
Multiple SVOC compounds analyzed (please see laboratory data for specific chemicals analyzed)	All chemicals ND

ND = Non-Detected above laboratory method detection limit.

## 4.0 Summary and Discussion

This section provides a summary and discussion of the laboratory results presented in the section above.

### 4.1 Surface Soil Sampling

Surface soil samples collected from one of the stained areas (HA-1) identified elevated motor oil down to five feet below the surface, with a concentration of 18,000 mg/kg. However, no Volatile Organic Compounds were identified above their method detection limit (non-detect) and Gasoline Range Organics were very low ranging from 1.4 mg/kg to 2.8 mg/kg.

We were not able to find an established Environmental Screening Level for motor oil; however, communication with San Francisco Water Boards indicated that the petroleum motor oil residential ESL is 12,000 mg/kg. Therefore, the soils on the property likely exceed the residential ESL where stained soil is present. It is uncertain if the 18,000 mg/kg concentration exceeds the commercial scenario, construction/trench worker scenario, and soil-to-groundwater scenario for ESL action levels.

### 4.2 Domestic Well Analysis

The domestic well was sampled for natural (general) minerals in the groundwater (drinking water) and all concentrations appear to be within regular range. The drinking water was also tested for metals and only two compounds were identified - Barium at a concentration of 110 ug/l and Boron at a concentration of 200 ug/l. Both reported concentrations are under their respective action levels of 2,000 ug/l and 1,000 ug/l, respectively. All other metal constituents analyzed were reported as Non-Detect. In addition, multiple VOC compounds were analyzed. The only VOC detected was methylene chloride at a concentration of 2.5 ug/l, which is below its MCL of 5 ug/l. In addition, Nitrate as N was detected at a concentration of 5.8 ug/l which is under its MCL of 10 ug/l.

### 4.3 Liquid Waste

The liquid waste was sampled for General Chemistry Parameters, which includes corrosivity as pH, ignitability by flashpoint, reactive cyanide, and reactive sulfide. The liquid waste from the Drum and Bucket varied showing a pH of 3.04 on the Drum sample and 6.95 for the Bucket sample. Between reactive cyanide and reactive sulfide, the only concentration detected was reactive sulfide in the drum at 420 mg/kg.

## 5.0 Conclusion/Recommendations

Based on the visual observations and surface soil sampling, this limited surface soil investigation has identified a motor oil release(s) on the property; which at this time, appears to be limited to locations where former equipment was stored on the gravel surface. The following conclusions / recommendations are provided:

- In regard to the motor oil release, it is unknown the volume of impacted soil under the surface; however, based on the drinking water (domestic well) analysis and discrete small locations of motor oil staining; the impacted soil does not appear to be an immediate threat to human health. We recommend providing the findings of this investigation to the CA OES for further instruction in regard to official release reporting and additional assessment that may be required due to the elevated motor oil. Additional information for CA OES including contact information is provided below.  
<https://www.caloes.ca.gov/wp-content/uploads/Fire-Rescue/Documents/Petroleum-Fact-Sheet.pdf>
- Since the motor oil concentrations are high, there may be potential for high-risk PCB and metal concentrations in the areas where the visible staining is present. Therefore, additional assessment will likely include PCBs and metals in soil analysis.
- The vertical extent of motor oil impact has not been defined as contamination is still identified at five feet below ground surface in one stained location, HA-1. Further vertical assessment could be required to see how deep the contamination goes. Other areas of staining may also have to be assessed vertically and/or horizontally.
- We contacted Butte Regional Household Hazardous Waste Facility in regard to disposing the unknown liquid contents and various petroleum containers that were observed. Based on the laboratory data, the facility gave a verbal indicating that the waste could be transported to their facility for disposal.
- A recent phone conversation with the customer indicated that further vertical assessment could be completed by excavating one or more test pits in the visually stained areas and collecting soil samples at depths greater than five feet below ground surface. MEI would be available to provide a bid / quote to collect the soil samples from the test pits and prepare them for laboratory analysis. However, we recommend submitting this report to CA OES prior to excavating / test pits. If the CA OES opens a file for this release, more work may be required, which could be conducted simultaneously with the test pits if that were to still be an option at that time.
- The methylene chloride concentration detected in the domestic well is below the EPA MCL, however, methylene chloride is not natural in the subsurface environment and could be from an on-site source. But the concentration was below the MCL and no VOCs (including methylene chloride) were detected in the soil samples. We recommend

Limited Surface Soil Investigation Report, DRAFT Report  
3700 CR 99W, Orland, CA

re-testing the well again in three to six months to see if any additional VOCs are detected.

## 6.0 User Reliance and Closing

This Limited Surface Soil Investigation Report is for the exclusive use of Amardev Jouhal. No other party may rely on this report without written authorization from MEI.

Sincerely,

A handwritten signature in black ink, appearing to read 'Tim Musson', with a long horizontal flourish extending to the right.

Tim Musson, MEI  
Environmental Professional, EP

Attachments

## **Appendix - Laboratory Analytical Data CA OES Fact Sheet**



**CALIFORNIA LABORATORY SERVICES**

*Committed. Responsive. Flexible.*

May 10, 2023

**CLS Work Order #: 23D1343**

**COC #: 226363**

Tim Musson  
MEI (Musson Environmental and Inspection)  
2416 G St, Unit A  
Sacramento, CA 95816

**Project Name: Orland**

Enclosed are the results of analyses for samples received by the laboratory on 04/27/23 13:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.  
Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233











MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Project Number: 23Ph1-Jouhal-2 Project Manager: Tim Musson	CLS Work Order #: 23D1343 COC #: 226363
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**TCLP Herbicides by EPA Method 1311/8151A - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303620 - EPA 8151A**

**Blank (2303620-BLK1)** Prepared: 04/28/23 Analyzed: 05/02/23

2,4-D (2,4-Dichlorophenoxyacetic acid)	ND	1.0	µg/L							
Dalapon	ND	2.0	"							
2,4-DB	ND	2.0	"							
Dicamba	ND	1.0	"							
Dichloroprop	ND	2.0	"							
Dinoseb	ND	1.0	"							
MCPA	ND	250	"							
MCPP	ND	250	"							
2,4,5-T	ND	0.50	"							
2,4,5-TP (Silvex)	ND	0.20	"							
<i>Surrogate: 2,4-DCAA</i>	2.28		"	2.50		91	50-150			

**LCS (2303620-BS1)** Prepared: 04/28/23 Analyzed: 05/02/23

Dicamba	0.959	1.0	µg/L	1.25		77	50-150			
Dichloroprop	1.37	2.0	"	1.25		110	50-150			
<i>Surrogate: 2,4-DCAA</i>	2.40		"	2.50		96	50-150			

**LCS Dup (2303620-BSD1)** Prepared: 04/28/23 Analyzed: 05/02/23

Dicamba	0.931	1.0	µg/L	1.25		74	50-150	3	30	
Dichloroprop	1.36	2.0	"	1.25		108	50-150	1	30	
<i>Surrogate: 2,4-DCAA</i>	2.14		"	2.50		86	50-150			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Project Number: 23Ph1-Jouhal-2 Project Manager: Tim Musson	CLS Work Order #: 23D1343 COC #: 226363
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TCLP Pesticides by EPA Method 1311/8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303640 - EPA 3510B GCNV

Blank (2303640-BLK1)

Prepared: 05/02/23 Analyzed: 05/03/23

Aldrin	ND	0.050	µg/L							
alpha-BHC	ND	0.050	"							
beta-BHC	ND	0.050	"							
delta-BHC	ND	0.050	"							
gamma-BHC (Lindane)	ND	0.050	"							
Chlordane	ND	0.50	"							
4,4'-DDD	ND	0.10	"							
4,4'-DDE	ND	0.10	"							
4,4'-DDT	ND	0.10	"							
Dieldrin	ND	0.10	"							
Endosulfan I	ND	0.050	"							
Endosulfan II	ND	0.10	"							
Endosulfan sulfate	ND	0.10	"							
Endrin	ND	0.10	"							
Endrin aldehyde	ND	0.10	"							
Heptachlor	ND	0.050	"							
Heptachlor epoxide	ND	0.050	"							
Methoxychlor	ND	0.50	"							
Methapyrilene*	ND	0.10	"							
Mirex*	ND	0.10	"							
Toxaphene*	ND	1.0	"							

Surrogate: Tetrachloro-meta-xylene 0.246 " 0.250 98 43-147

Surrogate: Decachlorobiphenyl 0.287 " 0.250 115 43-139

LCS (2303640-BS1)

Prepared: 05/02/23 Analyzed: 05/03/23

Aldrin	0.484	0.050	µg/L	0.500		97	50-130			
gamma-BHC (Lindane)	0.482	0.050	"	0.500		96	50-130			
4,4'-DDT	0.498	0.10	"	0.500		100	50-134			
Dieldrin	0.522	0.10	"	0.500		104	48-129			
Endrin	0.446	0.10	"	0.500		89	30-147			
Heptachlor	0.469	0.050	"	0.500		94	34-137			

Surrogate: Tetrachloro-meta-xylene 0.168 " 0.250 67 43-147



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Project Number: 23Ph1-Jouhal-2 Project Manager: Tim Musson	CLS Work Order #: 23D1343 COC #: 226363
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**TCLP Pesticides by EPA Method 1311/8081A - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2303640 - EPA 3510B GCNV**

**LCS (2303640-BS1)** Prepared: 05/02/23 Analyzed: 05/03/23

Surrogate: Decachlorobiphenyl	0.268		µg/L	0.250		107	43-139			
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**LCS Dup (2303640-BSD1)** Prepared: 05/02/23 Analyzed: 05/03/23

Aldrin	0.469	0.050	µg/L	0.500		94	50-130	3	30	
gamma-BHC (Lindane)	0.467	0.050	"	0.500		93	50-130	3	30	
4,4'-DDT	0.480	0.10	"	0.500		96	50-134	4	30	
Dieldrin	0.497	0.10	"	0.500		99	48-129	5	30	
Endrin	0.413	0.10	"	0.500		83	30-147	8	30	
Heptachlor	0.509	0.050	"	0.500		102	34-137	8	30	
Surrogate: Tetrachloro-meta-xylene	0.209		"	0.250		84	43-147			
Surrogate: Decachlorobiphenyl	0.291		"	0.250		116	43-139			

**Matrix Spike (2303640-MS1)** Source: 23D1343-01 Prepared: 05/02/23 Analyzed: 05/03/23 **QRL-7**

Aldrin	17.6	1.0	µg/L	10.0	ND	176	48-143			QM-7
gamma-BHC (Lindane)	90.8	1.0	"	10.0	ND	908	37-146			QM-7
4,4'-DDT	18.9	2.0	"	10.0	ND	189	56-161			QM-7
Dieldrin	14.9	2.0	"	10.0	ND	149	42-146			QM-7
Endrin	10.9	2.0	"	10.0	ND	109	28-137			
Heptachlor	17.9	1.0	"	10.0	ND	179	36-135			QM-7
Surrogate: Tetrachloro-meta-xylene	4.79		"	5.00		96	43-147			
Surrogate: Decachlorobiphenyl	4.83		"	5.00		97	43-139			

**Matrix Spike Dup (2303640-MSD1)** Source: 23D1343-01 Prepared: 05/02/23 Analyzed: 05/03/23 **QRL-7**

Aldrin	29.8	1.0	µg/L	10.0	ND	298	48-143	52	30	QM-7, QR-1
gamma-BHC (Lindane)	216	1.0	"	10.0	ND	NR	37-146	82	30	QM-7, QR-1
4,4'-DDT	31.8	2.0	"	10.0	ND	318	56-161	51	30	QM-7, QR-1
Dieldrin	36.4	2.0	"	10.0	ND	364	42-146	84	30	QM-7, QR-1
Endrin	11.2	2.0	"	10.0	ND	112	28-137	3	30	
Heptachlor	30.9	1.0	"	10.0	ND	309	36-135	53	30	QM-7, QR-1
Surrogate: Tetrachloro-meta-xylene	24.1		"	5.00		482	43-147			QS-4
Surrogate: Decachlorobiphenyl	4.16		"	5.00		83	43-139			



MEI (Musson Environmental and Inspection)  
2416 G St, Unit A  
Sacramento, CA 95816

Project: Orland  
Project Number: 23Ph1-Jouhal-2  
Project Manager: Tim Musson

**CLS Work Order #: 23D1343**  
COC #: 226363

**Notes and Definitions**

- QS-4 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QRL-7 The initial volume was decreased or the final volume of the extract was increased due to matrix interference, which resulted in higher reporting limits.
- QR-1 The RPD value for the sample duplicate or MS/MSD was outside of the QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery.
- QM-7 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- \* The laboratory does not hold CA-ELAP accreditation for this analyte or method. Accreditation may not be available from CA-ELAP for this analyte or method.



**CALIFORNIA LABORATORY SERVICES**

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May 10, 2023

**CLS Work Order #: 23D0781**

**COC #: 226681**

Tim Musson

MEI (Musson Environmental and Inspection)

2416 G St, Unit A

Sacramento, CA 95816

**Project Name: Orland Soil Assessment**

Enclosed are the results of analyses for samples received by the laboratory on 04/14/23 12:30. Samples were analyzed pursuant to client request utilizing EPA or other ELAP approved methodologies. I certify that the results are in compliance both technically and for completeness.

Analytical results are attached to this letter. Please call if we can provide additional assistance.

Sincerely,

James Liang, Ph.D.

Technical Director

CA SWRCB ELAP Accreditation/Registration number 1233





MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Conventional Chemistry Parameters by APHA/EPA Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DRUM LIQUID (23D0781-07) Water</b> Sampled: 04/13/23 15:45 Received: 04/14/23 12:30									
Corrosivity as pH	3.04		pH Units	1	2303202	04/18/23	04/18/23	EPA 9040B	
Ignitability by Flashpoint	>60		°C	"	2303326	04/21/23	04/21/23	EPA 1010	
Reactive Cyanide	ND	0.50	mg/kg	"	2303216	04/18/23	04/21/23	SW846 Ch. 7.3	
Reactive Sulfide	ND	50	"	"	2303217	04/18/23	04/20/23	"	
<b>BUCKET LIQUID (23D0781-08) Water</b> Sampled: 04/13/23 14:45 Received: 04/14/23 12:30									
Corrosivity as pH	6.95		pH Units	1	2303202	04/18/23	04/18/23	EPA 9040B	
Ignitability by Flashpoint	>60		°C	"	2303326	04/21/23	04/21/23	EPA 1010	
Reactive Cyanide	ND	0.50	mg/kg	"	2303216	04/18/23	04/21/23	SW846 Ch. 7.3	
Reactive Sulfide	420	50	"	"	2303217	04/18/23	04/20/23	"	
<b>DOMESTIC WELL (23D0781-09) Water</b> Sampled: 04/13/23 16:15 Received: 04/14/23 12:30									
Bicarbonate as CaCO3	210	5.0	mg/L	1	2303283	04/20/23	04/20/23	SM2320B	
Calcium	58	1.0	"	"	2303205	04/18/23	04/20/23	EPA 200.7	
Carbonate as CaCO3	ND	5.0	"	"	2303283	04/20/23	04/20/23	SM2320B	
Chloride	28	0.50	"	"	2303094	04/14/23	04/14/23	EPA 300.0	
Fluoride	ND	0.10	"	"	"	"	"	"	
Hardness as CaCO3	260	1.0	"	"	2303205	04/18/23	04/20/23	EPA 200.7	
Hydroxide as CaCO3	ND	5.0	"	"	2303283	04/20/23	04/20/23	SM2320B	
Magnesium	29	1.0	"	"	2303205	04/18/23	04/20/23	EPA 200.7	
MBAS as LAS, mol wt 340	ND	0.10	"	"	2303128	04/14/23	04/14/23	SM5540 C	
Nitrate as N	5.8	0.40	"	"	2303094	04/14/23	04/14/23	EPA 300.0	
pH	6.79	0.01	pH Units	"	2303098	04/14/23	04/21/23	SM4500-H B	HT-F
Potassium	1.3	1.0	mg/L	"	2303205	04/18/23	04/18/23	EPA 200.7	
Sodium	24	1.0	"	"	"	"	"	"	
Specific Conductance (EC)	560	1.0	µmhos/cm	"	2303198	04/18/23	04/18/23	SM 2510 B-1997	
Sulfate as SO4	37	0.50	mg/L	"	2303094	04/14/23	04/14/23	EPA 300.0	
Total Alkalinity	210	5.0	"	"	2303283	04/20/23	04/20/23	SM2320B	
Total Dissolved Solids	380	10	"	"	2303167	04/17/23	04/18/23	SM2540C	





MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**Extractable Petroleum Hydrocarbons by EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>HA-1 (1FT) (23D0781-01) Soil</b> <b>Sampled: 04/13/23 13:30</b> <b>Received: 04/14/23 12:30</b>									
<b>Diesel</b>	<b>240</b>	10	mg/kg	10	2303208	04/18/23	04/18/23	EPA 8015M	
Hydraulic Oil	ND	10	"	"	"	"	"	"	
Kerosene	ND	10	"	"	"	"	"	"	
Mineral Oil	ND	10	"	"	"	"	"	"	
<b>Motor Oil</b>	<b>20000</b>	500	"	500	"	"	"	"	TPH-X
<i>Surrogate: o-Terphenyl</i>		86 %	65-135	"	"	"	"	"	
<b>HA-1 (2-4FT) COMP (23D0781-02) Soil</b> <b>Sampled: 04/13/23 14:15</b> <b>Received: 04/14/23 12:30</b>									
Diesel	ND	10	mg/kg	10	2303208	04/18/23	04/18/23	EPA 8015M	
Hydraulic Oil	ND	10	"	"	"	"	"	"	
Kerosene	ND	10	"	"	"	"	"	"	
Mineral Oil	ND	10	"	"	"	"	"	"	
<b>Motor Oil</b>	<b>17000</b>	200	"	200	"	"	"	"	TPH-X
<i>Surrogate: o-Terphenyl</i>		94 %	65-135	"	"	"	"	"	
<b>HA-1 (5FT) (23D0781-03) Soil</b> <b>Sampled: 04/13/23 13:35</b> <b>Received: 04/14/23 12:30</b>									
Diesel	ND	10	mg/kg	10	2303208	04/18/23	04/18/23	EPA 8015M	
Hydraulic Oil	ND	10	"	"	"	"	"	"	
Kerosene	ND	10	"	"	"	"	"	"	
Mineral Oil	ND	10	"	"	"	"	"	"	
<b>Motor Oil</b>	<b>18000</b>	500	"	500	"	"	"	"	TPH-X
<i>Surrogate: o-Terphenyl</i>		101 %	65-135	"	"	"	"	"	
<b>HA-2 (5FT) (23D0781-04) Soil</b> <b>Sampled: 04/13/23 14:10</b> <b>Received: 04/14/23 12:30</b>									
Diesel	ND	1.0	mg/kg	1	2303208	04/18/23	04/18/23	EPA 8015M	
Hydraulic Oil	ND	1.0	"	"	"	"	"	"	
Kerosene	ND	1.0	"	"	"	"	"	"	
Mineral Oil	ND	1.0	"	"	"	"	"	"	
Motor Oil	ND	1.0	"	"	"	"	"	"	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**Extractable Petroleum Hydrocarbons by EPA Method 8015M**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**HA-2 (5FT) (23D0781-04) Soil Sampled: 04/13/23 14:10 Received: 04/14/23 12:30**

<i>Surrogate: o-Terphenyl</i>		56 %		65-135		2303208	"	04/18/23	EPA 8015M	QS-4
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**HA-3 (2.5FT) (23D0781-05) Soil Sampled: 04/13/23 14:30 Received: 04/14/23 12:30**

Diesel	ND	1.0	mg/kg	1	2303208	04/18/23	04/18/23	EPA 8015M	
Hydraulic Oil	ND	1.0	"	"	"	"	"	"	
Kerosene	ND	1.0	"	"	"	"	"	"	
Mineral Oil	ND	1.0	"	"	"	"	"	"	
Motor Oil	ND	1.0	"	"	"	"	"	"	

<i>Surrogate: o-Terphenyl</i>		112 %		65-135		"	"	"	"
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**HA-4 (3FT) (23D0781-06) Soil Sampled: 04/13/23 15:30 Received: 04/14/23 12:30**

Diesel	ND	5.0	mg/kg	5	2303208	04/18/23	04/18/23	EPA 8015M	
Hydraulic Oil	ND	5.0	"	"	"	"	"	"	
Kerosene	ND	5.0	"	"	"	"	"	"	
Mineral Oil	ND	5.0	"	"	"	"	"	"	
<b>Motor Oil</b>	<b>380</b>	5.0	"	"	"	"	"	"	

<i>Surrogate: o-Terphenyl</i>		81 %		65-135		"	"	"	"
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MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**Metals (Drinking Water) by EPA 200 Series Methods**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DOMESTIC WELL (23D0781-09) Water    Sampled: 04/13/23 16:15    Received: 04/14/23 12:30</b>									
Aluminum	ND	50	µg/L	1	2303203	04/18/23	04/18/23	EPA 200.8	
Antimony	ND	4.0	"	"	"	"	"	"	
Arsenic	ND	2.0	"	"	"	"	"	"	
<b>Barium</b>	<b>110</b>	100	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
<b>Boron</b>	<b>200</b>	100	"	"	"	"	"	"	
Cadmium	ND	1.0	"	"	"	"	"	"	
Chromium	ND	10	"	"	"	"	"	"	
Copper	ND	50	"	"	"	"	"	"	QC-2H
Iron	ND	100	"	"	2303205	04/18/23	04/18/23	EPA 200.7	
Lead	ND	5.0	"	"	2303203	04/18/23	04/18/23	EPA 200.8	
Manganese	ND	20	"	"	"	"	"	"	
Mercury	ND	1.0	"	"	2303137	04/17/23	04/18/23	EPA 245.1	
Nickel	ND	10	"	"	2303203	04/18/23	04/18/23	EPA 200.8	
Selenium	ND	5.0	"	"	"	"	"	"	
Silver	ND	10	"	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	"	
Vanadium	ND	3.0	"	"	"	"	"	"	
Zinc	ND	50	"	"	"	"	"	"	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DOMESTIC WELL (23D0781-09) Water    Sampled: 04/13/23 16:15    Received: 04/14/23 12:30</b>									
1,1,1,2-Tetrachloroethane	ND	0.50	µg/L	1	2303175	04/17/23	04/17/23	EPA 524.2	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-Trifluoroethane*	ND	10	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene*	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane*	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane*	ND	0.50	"	"	"	"	"	"	
2-Chloroethylvinyl ether*	ND	1.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
bis(2-chloroethyl)ether*	ND	5.0	"	"	"	"	"	"	
Bromobenzene*	ND	0.50	"	"	"	"	"	"	
Bromochloromethane*	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane*	ND	0.50	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane*	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane*	ND	0.50	"	"	"	"	"	"	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DOMESTIC WELL (23D0781-09) Water    Sampled: 04/13/23 16:15    Received: 04/14/23 12:30</b>									
cis-1,2-Dichloroethene	ND	0.50	µg/L	1	2303175	"	04/17/23	EPA 524.2	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Dibromochloromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane*	ND	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	0.50	"	"	"	"	"	"	
Di-isopropyl ether*	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	3.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene*	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene	ND	0.50	"	"	"	"	"	"	
m,p-Xylene	ND	0.50	"	"	"	"	"	"	
Methyl ethyl ketone*	ND	5.0	"	"	"	"	"	"	
Methyl isobutyl ketone*	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	3.0	"	"	"	"	"	"	
<b>Methylene chloride</b>	<b>2.5</b>	0.50	"	"	"	"	04/26/23	"	
Naphthalene	ND	0.50	"	"	"	"	04/17/23	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
o-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
o-Xylene	ND	0.50	"	"	"	"	"	"	
p-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene*	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	0.50	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	3.0	"	"	"	"	"	"	
tert-Butyl alcohol	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Total Trihalomethanes (THM)	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Purgeable Organic Compounds by EPA Method 524.2

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DOMESTIC WELL (23D0781-09) Water    Sampled: 04/13/23 16:15    Received: 04/14/23 12:30</b>									
Trichloroethene	ND	0.50	µg/L	1	2303175	"	04/17/23	EPA 524.2	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		118 %		66-135	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		119 %		70-130	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95 %		70-130	"	"	"	"	



# CALIFORNIA LABORATORY SERVICES

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MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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## RCRA Metals by EPA 6000/7000 Series Methods

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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### DRUM LIQUID (23D0781-07) Water Sampled: 04/13/23 15:45 Received: 04/14/23 12:30

Arsenic	ND	0.010	mg/L	1	2303134	04/17/23	04/17/23	EPA 6010B	
<b>Barium</b>	<b>0.18</b>	0.050	"	"	"	"	"	"	
Cadmium	ND	0.010	"	"	"	"	"	"	
<b>Chromium</b>	<b>0.021</b>	0.020	"	"	"	"	"	"	
Lead	ND	0.050	"	"	"	"	"	"	
Mercury	ND	0.00020	"	"	2303137	04/17/23	04/18/23	EPA 7470A	
Selenium	ND	0.010	"	"	2303134	04/17/23	04/17/23	EPA 6010B	
Silver	ND	0.010	"	"	"	"	"	"	

### BUCKET LIQUID (23D0781-08) Water Sampled: 04/13/23 14:45 Received: 04/14/23 12:30

<b>Arsenic</b>	<b>0.044</b>	0.010	mg/L	1	2303134	04/17/23	04/17/23	EPA 6010B	
Barium	ND	0.050	"	"	"	"	"	"	
Cadmium	ND	0.010	"	"	"	"	"	"	
<b>Chromium</b>	<b>0.11</b>	0.020	"	"	"	"	"	"	
Lead	ND	0.050	"	"	"	"	"	"	
Mercury	ND	0.00020	"	"	2303137	04/17/23	04/18/23	EPA 7470A	
Selenium	ND	0.010	"	"	2303134	04/17/23	04/17/23	EPA 6010B	
Silver	ND	0.010	"	"	"	"	"	"	



MEI (Mussion Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Pesticides by EPA Method 1311/8081A**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BUCKET LIQUID (23D0781-08) Water    Sampled: 04/13/23 14:45    Received: 04/14/23 12:30</b>									
4,4'-DDD	ND	1.0	µg/L	1	2303220	04/18/23	04/19/23	EPA 8081A	
4,4'-DDE	ND	1.0	"	"	"	"	"	"	
4,4'-DDT	ND	1.0	"	"	"	"	"	"	
Aldrin	ND	0.50	"	"	"	"	"	"	
alpha-BHC	ND	0.50	"	"	"	"	"	"	
beta-BHC	ND	0.50	"	"	"	"	"	"	
Chlordane	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	0.50	"	"	"	"	"	"	
Dieldrin	ND	1.0	"	"	"	"	"	"	
Endosulfan I	ND	0.50	"	"	"	"	"	"	
Endosulfan II	ND	1.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	1.0	"	"	"	"	"	"	
Endrin	ND	1.0	"	"	"	"	"	"	
Endrin aldehyde	ND	1.0	"	"	"	"	"	"	
gamma-BHC (Lindane)	ND	0.50	"	"	"	"	"	"	
Heptachlor	ND	0.50	"	"	"	"	"	"	
Heptachlor epoxide	ND	0.50	"	"	"	"	"	"	
Methapyrilene*	ND	1.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Mirex*	ND	1.0	"	"	"	"	"	"	
Toxaphene*	ND	10	"	"	"	"	"	"	

Surrogate: Decachlorobiphenyl	77 %	43-139	"	"	"	"
Surrogate: Tetrachloro-meta-xylene	55 %	43-147	"	"	"	"





MEI (Mussion Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**DRUM LIQUID (23D0781-07) Water** Sampled: 04/13/23 15:45 Received: 04/14/23 12:30

2,4,5-Trichlorophenol	ND	0.10	mg/L	1	2303227	04/19/23	04/20/23	EPA 8270C	
2,4,6-Trichlorophenol	ND	0.10	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	0.10	"	"	"	"	"	"	
Cresols, Total	ND	0.20	"	"	"	"	"	"	
Hexachloro-1,3-butadiene	ND	0.10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachloroethane	ND	0.10	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	0.10	"	"	"	"	"	"	
Pentachlorophenol	ND	0.50	"	"	"	"	"	"	
Pyridine	ND	0.10	"	"	"	"	"	"	

Surrogate: 2,4,6-Tribromophenol	77 %	19-122	"	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	64 %	30-115	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol	63 %	25-121	"	"	"	"	"	"	
Surrogate: Nitrobenzene-d5	65 %	23-120	"	"	"	"	"	"	
Surrogate: Phenol-d6	41 %	24-113	"	"	"	"	"	"	
Surrogate: Terphenyl-d14	68 %	18-137	"	"	"	"	"	"	

**BUCKET LIQUID (23D0781-08) Water** Sampled: 04/13/23 14:45 Received: 04/14/23 12:30

2,4,5-Trichlorophenol	ND	0.10	mg/L	1	2303227	04/19/23	04/20/23	EPA 8270C	
2,4,6-Trichlorophenol	ND	0.10	"	"	"	"	"	"	
2,4-Dinitrotoluene (2,4-DNT)	ND	0.10	"	"	"	"	"	"	
Cresols, Total	ND	0.20	"	"	"	"	"	"	
Hexachloro-1,3-butadiene	ND	0.10	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.10	"	"	"	"	"	"	
Hexachloroethane	ND	0.10	"	"	"	"	"	"	
Nitrobenzene (NB)	ND	0.10	"	"	"	"	"	"	
Pentachlorophenol	ND	0.50	"	"	"	"	"	"	
Pyridine	ND	0.10	"	"	"	"	"	"	

Surrogate: 2,4,6-Tribromophenol	72 %	19-122	"	"	"	"	"	"	
Surrogate: 2-Fluorobiphenyl	58 %	30-115	"	"	"	"	"	"	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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**BUCKET LIQUID (23D0781-08) Water**    **Sampled: 04/13/23 14:45**    **Received: 04/14/23 12:30**

Surrogate: 2-Fluorophenol	57 %	25-121		2303227	"	"	04/20/23	EPA 8270C	
Surrogate: Nitrobenzene-d5	63 %	23-120			"	"	"	"	
Surrogate: Phenol-d6	39 %	24-113			"	"	"	"	
Surrogate: Terphenyl-d14	65 %	18-137			"	"	"	"	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DRUM LIQUID (23D0781-07) Water    Sampled: 04/13/23 15:45    Received: 04/14/23 12:30</b>									
1,1,1,2-Tetrachloroethane	ND	0.50	mg/L	10	2303175	04/17/23	04/17/23	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
2-Butanone	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Acetone	ND	5.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Bromoform	ND	0.50	"	"	"	"	"	"	

**QRL-4**



MEI (Mussion Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DRUM LIQUID (23D0781-07) Water    Sampled: 04/13/23 15:45    Received: 04/14/23 12:30</b>									
Bromomethane	ND	0.50	mg/L	10	2303175	"	04/17/23	EPA 8260B	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Dibromofluoromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
o-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
p-Chlorotoluene	ND	0.50	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	

**QRL-4**



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>DRUM LIQUID (23D0781-07) Water</b> <b>Sampled: 04/13/23 15:45</b> <b>Received: 04/14/23 12:30</b> <b>QRL-4</b>									
Trichlorofluoromethane	ND	0.50	mg/L	10	2303175	"	04/17/23	EPA 8260B	
Vinyl acetate	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %		66-135	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		116 %		73-125	"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98 %		72-125	"	"	"	"	

<b>BUCKET LIQUID (23D0781-08) Water</b> <b>Sampled: 04/13/23 14:45</b> <b>Received: 04/14/23 12:30</b> <b>QRL-4</b>									
1,1,1,2-Tetrachloroethane	ND	0.50	mg/L	10	2303175	04/17/23	04/17/23	EPA 8260B	
1,1,1-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.50	"	"	"	"	"	"	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.50	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.50	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.50	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.50	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.50	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.50	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.50	"	"	"	"	"	"	



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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BUCKET LIQUID (23D0781-08) Water</b>									
<b>Sampled: 04/13/23 14:45 Received: 04/14/23 12:30</b>									
<b>QRL-4</b>									
2,2-Dichloropropane	ND	0.50	mg/L	10	2303175	"	04/17/23	EPA 8260B	
2-Butanone	ND	5.0	"	"	"	"	"	"	
2-Hexanone	ND	5.0	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	5.0	"	"	"	"	"	"	
Acetone	ND	5.0	"	"	"	"	"	"	
Benzene	ND	0.50	"	"	"	"	"	"	
Bromobenzene	ND	0.50	"	"	"	"	"	"	
Bromochloromethane	ND	0.50	"	"	"	"	"	"	
Bromodichloromethane	ND	0.50	"	"	"	"	"	"	
Bromoform	ND	0.50	"	"	"	"	"	"	
Bromomethane	ND	0.50	"	"	"	"	"	"	
Carbon disulfide	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.50	"	"	"	"	"	"	
Chlorobenzene	ND	0.50	"	"	"	"	"	"	
Chloroethane	ND	0.50	"	"	"	"	"	"	
Chloroform	ND	0.50	"	"	"	"	"	"	
Chloromethane	ND	0.50	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Dibromofluoromethane	ND	0.50	"	"	"	"	"	"	
Dibromomethane	ND	0.50	"	"	"	"	"	"	
Dichlorodifluoromethane (Freon 12)	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.50	"	"	"	"	"	"	
Isopropylbenzene	ND	0.50	"	"	"	"	"	"	
Methyl ethyl ketone	ND	10	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Methylene chloride	ND	0.50	"	"	"	"	"	"	
Naphthalene	ND	0.50	"	"	"	"	"	"	
n-Butylbenzene	ND	0.50	"	"	"	"	"	"	
n-Propylbenzene	ND	0.50	"	"	"	"	"	"	
o-Chlorotoluene	ND	0.50	"	"	"	"	"	"	



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TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>BUCKET LIQUID (23D0781-08) Water</b>									<b>QRL-4</b>
Sampled: 04/13/23 14:45 Received: 04/14/23 12:30									
p-Chlorotoluene	ND	0.50	mg/L	10	2303175	"	04/17/23	EPA 8260B	
p-Isopropyltoluene	ND	0.50	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.50	"	"	"	"	"	"	
Styrene	ND	0.50	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.50	"	"	"	"	"	"	
Tetrachloroethene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.50	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.50	"	"	"	"	"	"	
Trichloroethene	ND	0.50	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.50	"	"	"	"	"	"	
Vinyl acetate	ND	0.50	"	"	"	"	"	"	
Vinyl chloride	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	

Surrogate: 1,2-Dichloroethane-d4	102 %	66-135	"	"	"	"	"
Surrogate: 4-Bromofluorobenzene	117 %	73-125	"	"	"	"	"
Surrogate: Toluene-d8	95 %	72-125	"	"	"	"	"



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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303094 - General Prep**

<b>Blank (2303094-BLK1)</b>				Prepared & Analyzed: 04/14/23						
Sulfate as SO4	ND	0.50	mg/L							
Fluoride	ND	0.10	"							
Chloride	ND	0.50	"							
Nitrate as N	ND	0.40	"							

<b>LCS (2303094-BS1)</b>				Prepared & Analyzed: 04/14/23						
Sulfate as SO4	4.95	0.50	mg/L	5.00		99	80-120			
Fluoride	1.99	0.10	"	2.00		100	80-120			
Chloride	4.73	0.50	"	5.00		95	80-120			
Nitrate as N	1.85	0.40	"	2.00		93	80-120			

<b>LCS Dup (2303094-BSD1)</b>				Prepared & Analyzed: 04/14/23						
Sulfate as SO4	4.92	0.50	mg/L	5.00		98	80-120	0.7	20	
Fluoride	1.90	0.10	"	2.00		95	80-120	5	20	
Chloride	4.66	0.50	"	5.00		93	80-120	1	20	
Nitrate as N	1.83	0.40	"	2.00		92	80-120	1	20	

<b>Matrix Spike (2303094-MS1)</b>				<b>Source: 23D0703-03</b>		Prepared & Analyzed: 04/14/23				
Chloride	7.22	0.50	mg/L	5.00	2.51	94	80-120			
Fluoride	1.90	0.10	"	2.00	ND	95	80-120			
Sulfate as SO4	8.46	0.50	"	5.00	3.58	98	80-120			
Nitrate as N	1.85	0.40	"	2.00	ND	92	80-120			

<b>Matrix Spike Dup (2303094-MSD1)</b>				<b>Source: 23D0703-03</b>		Prepared & Analyzed: 04/14/23				
Fluoride	1.91	0.10	mg/L	2.00	ND	95	80-120	0.7	20	
Chloride	7.32	0.50	"	5.00	2.51	96	80-120	1	20	
Sulfate as SO4	8.56	0.50	"	5.00	3.58	100	80-120	1	20	
Nitrate as N	1.88	0.40	"	2.00	ND	94	80-120	2	20	





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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303098 - General Preparation

<b>Duplicate (2303098-DUP1)</b>		<b>Source: 23D0730-01</b>		Prepared & Analyzed: 04/14/23						
pH	8.07	0.01	pH Units		8.06			0.124	20	

Batch 2303128 - General Preparation

<b>Blank (2303128-BLK1)</b>		Prepared & Analyzed: 04/14/23								
MBAS as LAS, mol wt 340	ND	0.10	mg/L							

<b>LCS (2303128-BS1)</b>		Prepared & Analyzed: 04/14/23								
MBAS as LAS, mol wt 340	0.418	0.10	mg/L	0.500		84	80-120			

<b>LCS Dup (2303128-BSD1)</b>		Prepared & Analyzed: 04/14/23								
MBAS as LAS, mol wt 340	0.405	0.10	mg/L	0.500		81	80-120	3	20	

<b>Matrix Spike (2303128-MS1)</b>		<b>Source: 23D0781-09</b>		Prepared & Analyzed: 04/14/23						
MBAS as LAS, mol wt 340	0.453	0.10	mg/L	0.500	ND	91	75-125			

<b>Matrix Spike Dup (2303128-MSD1)</b>		<b>Source: 23D0781-09</b>		Prepared & Analyzed: 04/14/23						
MBAS as LAS, mol wt 340	0.475	0.10	mg/L	0.500	ND	95	75-125	5	25	

Batch 2303167 - General Preparation

<b>Blank (2303167-BLK1)</b>		Prepared: 04/17/23 Analyzed: 04/18/23								
Total Dissolved Solids	ND	10	mg/L							

<b>Duplicate (2303167-DUP1)</b>		<b>Source: 23D0659-01</b>		Prepared: 04/17/23 Analyzed: 04/18/23						
Total Dissolved Solids	ND	10	mg/L		ND				20	



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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303198 - General Preparation**

<b>Blank (2303198-BLK1)</b>		Prepared & Analyzed: 04/18/23								
Specific Conductance (EC)	ND	1.0	µmhos/cm							
<b>Duplicate (2303198-DUP1)</b>		<b>Source: 23D0773-02</b>		Prepared & Analyzed: 04/18/23						
Specific Conductance (EC)	527	1.0	µmhos/cm		525			0.380	20	

**Batch 2303205 - EPA 200 Series**

<b>Blank (2303205-BLK1)</b>		Prepared & Analyzed: 04/18/23								
Calcium	ND	1.0	mg/L							
Hardness as CaCO3	ND	1.0	"							
Magnesium	ND	1.0	"							
Potassium	ND	1.0	"							
Sodium	ND	1.0	"							

<b>LCS (2303205-BS1)</b>		Prepared & Analyzed: 04/18/23								
Calcium	4.94	1.0	mg/L	5.00		99	85-115			
Magnesium	5.19	1.0	"	5.00		104	85-115			
Potassium	5.30	1.0	"	5.00		106	85-115			
Sodium	5.18	1.0	"	5.00		104	85-115			

<b>Matrix Spike (2303205-MS1)</b>		<b>Source: 23D0570-01</b>		Prepared & Analyzed: 04/18/23						
Calcium	22.5	1.0	mg/L	5.00	17.7	98	70-130			
Magnesium	12.7	1.0	"	5.00	7.82	98	70-130			
Potassium	6.97	1.0	"	5.00	1.79	104	70-130			
Sodium	29.9	1.0	"	5.00	25.8	83	70-130			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303216 - General Preparation

<b>Blank (2303216-BLK1)</b>				Prepared: 04/18/23 Analyzed: 04/21/23						
Reactive Cyanide	ND	0.50	mg/kg							
<b>LCS (2303216-BS1)</b>				Prepared: 04/18/23 Analyzed: 04/21/23						
Reactive Cyanide	0.311	0.50	mg/kg	3.00		10	10-80			
<b>LCS Dup (2303216-BSD1)</b>				Prepared: 04/18/23 Analyzed: 04/21/23						
Reactive Cyanide	0.315	0.50	mg/kg	3.00		10	10-80	1	30	

Batch 2303217 - General Preparation

<b>Blank (2303217-BLK1)</b>				Prepared: 04/18/23 Analyzed: 04/20/23						
Reactive Sulfide	ND	50	mg/kg							
<b>LCS (2303217-BS1)</b>				Prepared: 04/18/23 Analyzed: 04/20/23						
Reactive Sulfide	249	50	mg/kg	333		75	25-125			
<b>LCS Dup (2303217-BSD1)</b>				Prepared: 04/18/23 Analyzed: 04/20/23						
Reactive Sulfide	270	50	mg/kg	333		81	25-125	8	30	

Batch 2303283 - General Preparation

<b>Blank (2303283-BLK1)</b>				Prepared & Analyzed: 04/20/23						
Total Alkalinity	ND	5.0	mg/L							
Bicarbonate as CaCO3	ND	5.0	"							
Carbonate as CaCO3	ND	5.0	"							
Hydroxide as CaCO3	ND	5.0	"							



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303283 - General Preparation**

<b>Duplicate (2303283-DUP1)</b>	<b>Source: 23D0781-09</b>			<b>Prepared &amp; Analyzed: 04/20/23</b>						
Total Alkalinity	200	5.0	mg/L		206			3	20	
Bicarbonate as CaCO3	200	5.0	"		206			3	20	
Carbonate as CaCO3	ND	5.0	"		ND				20	
Hydroxide as CaCO3	ND	5.0	"		ND				20	



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**Extractable Petroleum Hydrocarbons by EPA Method 8015M - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303208 - EPA 3510B GCNV**

**Blank (2303208-BLK1)** Prepared & Analyzed: 04/18/23

Diesel	ND	1.0	mg/kg							
Motor Oil	ND	1.0	"							
Surrogate: <i>o</i> -Terphenyl	0.488		"	0.500		98	65-135			

**LCS (2303208-BS1)** Prepared & Analyzed: 04/18/23

Diesel	51.0	1.0	mg/kg	50.0		102	65-135			
Surrogate: <i>o</i> -Terphenyl	0.490		"	0.500		98	65-135			

**LCS Dup (2303208-BSD1)** Prepared & Analyzed: 04/18/23

Diesel	47.8	1.0	mg/kg	50.0		96	65-135	7	30	
Surrogate: <i>o</i> -Terphenyl	0.466		"	0.500		93	65-135			

**Matrix Spike (2303208-MS1)** Source: 23D0781-06 Prepared & Analyzed: 04/18/23

Diesel	43.0	5.0	mg/kg	50.0	ND	86	59-138			
Surrogate: <i>o</i> -Terphenyl	0.447		"	0.500		89	65-135			

**Matrix Spike Dup (2303208-MSD1)** Source: 23D0781-06 Prepared & Analyzed: 04/18/23

Diesel	40.8	5.0	mg/kg	50.0	ND	82	59-138	5	37	
Surrogate: <i>o</i> -Terphenyl	0.472		"	0.500		94	65-135			



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**Metals (Drinking Water) by EPA 200 Series Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303137 - EPA 7470A**

<b>Blank (2303137-BLK1)</b>				Prepared & Analyzed: 04/17/23						
Mercury	ND	1.0	µg/L							
<b>LCS (2303137-BS1)</b>				Prepared & Analyzed: 04/17/23						
Mercury	4.89	1.0	µg/L	5.00		98	85-115			
<b>Matrix Spike (2303137-MS1)</b>				Source: 23D0700-01		Prepared & Analyzed: 04/17/23				
Mercury	2.92	1.0	µg/L	5.00	ND	58	70-130			QM-7
<b>Matrix Spike Dup (2303137-MSD1)</b>				Source: 23D0700-01		Prepared & Analyzed: 04/17/23				
Mercury	2.99	1.0	µg/L	5.00	ND	60	70-130	2	25	QM-7

**Batch 2303203 - EPA 200 Series**

<b>Blank (2303203-BLK1)</b>				Prepared & Analyzed: 04/18/23						
Aluminum	ND	50	µg/L							
Antimony	ND	4.0	"							
Arsenic	ND	2.0	"							
Barium	ND	100	"							
Beryllium	ND	1.0	"							
Boron	ND	100	"							
Cadmium	ND	1.0	"							
Chromium	ND	10	"							
Copper	ND	50	"							
Iron	ND	100	"							
Lead	ND	5.0	"							
Manganese	ND	20	"							
Nickel	ND	10	"							
Selenium	ND	5.0	"							
Silver	ND	10	"							
Vanadium	ND	3.0	"							
Thallium	ND	1.0	"							
Zinc	ND	50	"							



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**Metals (Drinking Water) by EPA 200 Series Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303203 - EPA 200 Series**

**LCS (2303203-BS1)**

Prepared & Analyzed: 04/18/23

Aluminum	546	50	µg/L	500		109	85-115			
Antimony	98.0	4.0	"	100		98	85-115			
Arsenic	107	2.0	"	100		107	85-115			
Barium	101	100	"	100		101	85-115			
Beryllium	106	1.0	"	100		106	85-115			
Boron	526	100	"	500		105	85-115			
Cadmium	102	1.0	"	100		102	85-115			
Chromium	113	10	"	100		113	85-115			
Copper	112	50	"	100		112	85-115			
Iron	547	100	"	500		109	85-115			
Lead	101	5.0	"	100		101	85-115			
Manganese	111	20	"	100		111	85-115			
Nickel	111	10	"	100		111	85-115			
Selenium	103	5.0	"	100		103	85-115			
Silver	102	10	"	100		102	85-115			
Vanadium	117	3.0	"	100		117	85-115			QM-1
Thallium	100	1.0	"	100		100	85-115			
Zinc	107	50	"	100		107	85-115			

**Matrix Spike (2303203-MS1)**

Source: 23D0763-01

Prepared & Analyzed: 04/18/23

Aluminum	511	50	µg/L	500	ND	102	70-130			
Antimony	100	4.0	"	100	ND	100	70-130			
Arsenic	102	2.0	"	100	1.36	101	70-130			
Barium	105	100	"	100	1.65	103	70-130			
Beryllium	102	1.0	"	100	ND	102	70-130			
Boron	570	100	"	500	47.3	104	70-130			
Cadmium	103	1.0	"	100	ND	103	70-130			
Chromium	97.6	10	"	100	ND	98	70-130			
Copper	592	50	"	100	503	89	70-130			
Iron	527	100	"	500	31.5	99	70-130			
Lead	99.6	5.0	"	100	ND	100	70-130			
Manganese	100	20	"	100	ND	100	70-130			
Nickel	97.4	10	"	100	0.408	97	70-130			



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Metals (Drinking Water) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303203 - EPA 200 Series

Matrix Spike (2303203-MS1)	Source: 23D0763-01			Prepared & Analyzed: 04/18/23						
Selenium	103	5.0	µg/L	100	ND	103	70-130			
Silver	97.1	10	"	100	ND	97	70-130			
Vanadium	119	3.0	"	100	18.6	100	70-130			
Thallium	97.4	1.0	"	100	ND	97	70-130			
Zinc	124	50	"	100	24.4	99	70-130			

Matrix Spike (2303203-MS2)	Source: 23D0809-02			Prepared & Analyzed: 04/18/23						
Aluminum	947	50	µg/L	500	6.25	188	70-130			QM-7
Antimony	102	4.0	"	100	ND	102	70-130			
Arsenic	102	2.0	"	100	ND	102	70-130			
Barium	156	100	"	100	46.2	110	70-130			
Beryllium	103	1.0	"	100	ND	103	70-130			
Boron	756	100	"	500	185	114	70-130			
Cadmium	101	1.0	"	100	ND	101	70-130			
Chromium	96.2	10	"	100	0.794	95	70-130			
Copper	637	50	"	100	873	NR	70-130			QM-7
Iron	522	100	"	500	7.55	103	70-130			
Lead	107	5.0	"	100	0.605	106	70-130			
Manganese	102	20	"	100	3.65	98	70-130			
Nickel	116	10	"	100	68.6	48	70-130			QM-7
Selenium	102	5.0	"	100	2.00	100	70-130			
Silver	95.6	10	"	100	ND	96	70-130			
Vanadium	99.9	3.0	"	100	1.11	99	70-130			
Thallium	98.9	1.0	"	100	ND	99	70-130			
Zinc	485	50	"	100	495	NR	70-130			QM-7

Batch 2303205 - EPA 200 Series

Blank (2303205-BLK1)	Prepared & Analyzed: 04/18/23									
Iron	ND	100	µg/L							





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MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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## Metals (Drinking Water) by EPA 200 Series Methods - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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### Batch 2303205 - EPA 200 Series

#### LCS (2303205-BS1)

Prepared & Analyzed: 04/18/23

Iron	485	100	µg/L	500		97	85-115			
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#### Matrix Spike (2303205-MS1)

Source: 23D0570-01

Prepared & Analyzed: 04/18/23

Iron	485	100	µg/L	500	ND	97	70-130			
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MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Purgeable Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303175 - EPA 3510B GCMS

Blank (2303175-BLK1)

Prepared & Analyzed: 04/17/23

tert-Amyl methyl ether	ND	3.0	µg/L
Benzene	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
n-Butylbenzene	ND	0.50	"
sec-Butylbenzene	ND	0.50	"
tert-Butylbenzene	ND	0.50	"
tert-Butyl alcohol	ND	2.0	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroform	ND	0.50	"
o-Chlorotoluene	ND	0.50	"
p-Chlorotoluene	ND	0.50	"
Dibromochloromethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
Dichlorodifluoromethane (Freon 12)	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,1-Dichloroethene	ND	0.50	"
cis-1,2-Dichloroethene	ND	0.50	"
trans-1,2-Dichloroethene	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
cis-1,3-Dichloropropene	ND	0.50	"
trans-1,3-Dichloropropene	ND	0.50	"
Ethylbenzene	ND	0.50	"
Ethyl tert-butyl ether	ND	3.0	"
Isopropylbenzene	ND	0.50	"
Methyl tert-butyl ether	ND	3.0	"
Methylene chloride	ND	0.50	"
Naphthalene	ND	0.50	"



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Purgeable Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303175 - EPA 3510B GCMS

Blank (2303175-BLK1)

Prepared & Analyzed: 04/17/23

n-Propylbenzene	ND	0.50	µg/L
Styrene	ND	0.50	"
1,1,1,2-Tetrachloroethane	ND	0.50	"
1,1,2,2-Tetrachloroethane	ND	0.50	"
Tetrachloroethene	ND	0.50	"
Toluene	ND	0.50	"
1,2,3-Trichlorobenzene	ND	0.50	"
1,2,4-Trichlorobenzene	ND	0.50	"
1,1,1-Trichloroethane	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
Trichloroethene	ND	0.50	"
Trichlorofluoromethane	ND	5.0	"
1,2,4-Trimethylbenzene	ND	0.50	"
1,3,5-Trimethylbenzene	ND	0.50	"
Vinyl chloride	ND	0.50	"
m,p-Xylene	ND	0.50	"
o-Xylene	ND	0.50	"
Xylenes (total)	ND	0.50	"
Total Trihalomethanes (THM)	ND	0.50	"
bis(2-chloroethyl)ether*	ND	5.0	"
Bromobenzene*	ND	0.50	"
Bromochloromethane*	ND	0.50	"
Bromomethane*	ND	0.50	"
Chloroethane*	ND	0.50	"
2-Chloroethylvinyl ether*	ND	1.0	"
Chloromethane*	ND	0.50	"
Dibromomethane*	ND	0.50	"
1,3-Dichloropropane*	ND	0.50	"
2,2-Dichloropropane*	ND	0.50	"
1,1-Dichloropropene*	ND	0.50	"
1,1,2-Trichloro-1,2,2-Trifluoroethane*	ND	10	"
Hexachlorobutadiene*	ND	0.50	"



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Purgeable Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303175 - EPA 3510B GCMS

Blank (2303175-BLK1)

Prepared & Analyzed: 04/17/23

p-Isopropyltoluene*	ND	0.50	µg/L							
Methyl ethyl ketone*	ND	5.0	"							
Methyl isobutyl ketone*	ND	5.0	"							
Di-isopropyl ether*	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	8.88		"	10.0		89	66-135			
Surrogate: Toluene-d8	9.64		"	10.0		96	70-130			
Surrogate: 4-Bromofluorobenzene	11.3		"	10.0		113	70-130			

LCS (2303175-BS1)

Prepared & Analyzed: 04/17/23

tert-Amyl methyl ether	16.9	3.0	µg/L	20.0		85	70-130			
Benzene	21.2	0.50	"	20.0		106	70-130			
Bromodichloromethane	21.1	0.50	"	20.0		106	70-130			
Bromoform	18.5	0.50	"	20.0		92	70-130			
n-Butylbenzene	19.8	0.50	"	20.0		99	70-130			
sec-Butylbenzene	20.7	0.50	"	20.0		103	70-130			
tert-Butylbenzene	20.5	0.50	"	20.0		103	70-130			
Carbon tetrachloride	21.6	0.50	"	20.0		108	70-130			
Chlorobenzene	17.0	0.50	"	20.0		85	70-130			
Chloroform	22.2	0.50	"	20.0		111	70-130			
o-Chlorotoluene	20.6	0.50	"	20.0		103	70-130			
p-Chlorotoluene	20.1	0.50	"	20.0		101	70-130			
Dibromochloromethane	20.4	0.50	"	20.0		102	70-130			
1,2-Dichlorobenzene	20.2	0.50	"	20.0		101	70-130			
1,3-Dichlorobenzene	20.3	0.50	"	20.0		101	70-130			
1,4-Dichlorobenzene	19.8	0.50	"	20.0		99	70-130			
Dichlorodifluoromethane (Freon 12)	16.0	0.50	"	20.0		80	60-140			
1,1-Dichloroethane	22.7	0.50	"	20.0		114	70-130			
1,2-Dichloroethane	22.0	0.50	"	20.0		110	70-130			
1,1-Dichloroethene	21.9	0.50	"	20.0		109	70-130			
cis-1,2-Dichloroethene	20.7	0.50	"	20.0		103	70-130			
trans-1,2-Dichloroethene	20.6	0.50	"	20.0		103	70-130			
1,2-Dichloropropane	20.5	0.50	"	20.0		103	70-130			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Purgeable Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303175 - EPA 3510B GCMS

LCS (2303175-BS1)

Prepared & Analyzed: 04/17/23

cis-1,3-Dichloropropene	20.9	0.50	µg/L	20.0		104	70-130			
trans-1,3-Dichloropropene	20.1	0.50	"	20.0		101	70-130			
Ethylbenzene	20.1	0.50	"	20.0		101	70-130			
Ethyl tert-butyl ether	16.8	3.0	"	20.0		84	70-130			
Isopropylbenzene	20.7	0.50	"	20.0		103	70-130			
Methyl tert-butyl ether	18.0	3.0	"	20.0		90	70-130			
Methylene chloride	19.8	0.50	"	20.0		99	70-130			
Naphthalene	20.1	0.50	"	20.0		101	70-130			
n-Propylbenzene	20.7	0.50	"	20.0		104	70-130			
Styrene	16.8	0.50	"	20.0		84	70-130			
1,1,1,2-Tetrachloroethane	17.2	0.50	"	20.0		86	70-130			
1,1,2,2-Tetrachloroethane	19.5	0.50	"	20.0		97	70-130			
Tetrachloroethene	20.8	0.50	"	20.0		104	70-130			
Toluene	22.6	0.50	"	20.0		113	70-130			
1,2,3-Trichlorobenzene	17.4	0.50	"	20.0		87	70-130			
1,2,4-Trichlorobenzene	20.0	0.50	"	20.0		100	70-130			
1,1,1-Trichloroethane	21.4	0.50	"	20.0		107	70-130			
1,1,2-Trichloroethane	20.3	0.50	"	20.0		101	70-130			
Trichloroethene	20.9	0.50	"	20.0		105	70-130			
Trichlorofluoromethane	17.2	5.0	"	20.0		86	70-130			
1,2,4-Trimethylbenzene	20.6	0.50	"	20.0		103	70-130			
1,3,5-Trimethylbenzene	20.7	0.50	"	20.0		104	70-130			
Vinyl chloride	20.6	0.50	"	20.0		103	60-140			
m,p-Xylene	33.6	0.50	"	40.0		84	70-130			
o-Xylene	17.3	0.50	"	20.0		86	70-130			
Bromobenzene*	19.6	0.50	"	20.0		98	70-130			
Bromochloromethane*	19.3	0.50	"	20.0		96	70-130			
Bromomethane*	16.5	0.50	"	20.0		82	60-140			
Chloroethane*	16.7	0.50	"	20.0		83	60-140			
Chloromethane*	18.9	0.50	"	20.0		94	60-140			
Dibromomethane*	21.3	0.50	"	20.0		106	70-130			
1,3-Dichloropropane*	20.2	0.50	"	20.0		101	70-130			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

**LCS (2303175-BS1)**

Prepared & Analyzed: 04/17/23

2,2-Dichloropropane*	21.8	0.50	µg/L	20.0		109	70-130			
1,1-Dichloropropene*	21.2	0.50	"	20.0		106	70-130			
Hexachlorobutadiene*	22.1	0.50	"	20.0		110	40-160			
p-Isopropyltoluene*	20.0	0.50	"	20.0		100	70-130			
Di-isopropyl ether*	16.4	0.50	"	20.0		82	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.50		"	10.0		85	66-135			
<i>Surrogate: Toluene-d8</i>	9.50		"	10.0		95	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	8.53		"	10.0		85	70-130			

**LCS Dup (2303175-BSD1)**

Prepared & Analyzed: 04/17/23

tert-Amyl methyl ether	19.7	3.0	µg/L	20.0		99	70-130	15	30	
Benzene	20.0	0.50	"	20.0		100	70-130	6	30	
Bromodichloromethane	21.6	0.50	"	20.0		108	70-130	2	30	
Bromoform	17.4	0.50	"	20.0		87	70-130	6	30	
n-Butylbenzene	20.6	0.50	"	20.0		103	70-130	4	30	
sec-Butylbenzene	20.3	0.50	"	20.0		101	70-130	2	30	
tert-Butylbenzene	20.2	0.50	"	20.0		101	70-130	1	30	
Carbon tetrachloride	22.3	0.50	"	20.0		111	70-130	3	30	
Chlorobenzene	16.6	0.50	"	20.0		83	70-130	3	30	
Chloroform	23.0	0.50	"	20.0		115	70-130	4	30	
o-Chlorotoluene	20.4	0.50	"	20.0		102	70-130	0.9	30	
p-Chlorotoluene	19.6	0.50	"	20.0		98	70-130	3	30	
Dibromochloromethane	22.8	0.50	"	20.0		114	70-130	11	30	
1,2-Dichlorobenzene	20.2	0.50	"	20.0		101	70-130	0.1	30	
1,3-Dichlorobenzene	19.7	0.50	"	20.0		99	70-130	3	30	
1,4-Dichlorobenzene	19.5	0.50	"	20.0		97	70-130	2	30	
Dichlorodifluoromethane (Freon 12)	16.2	0.50	"	20.0		81	60-140	1	30	
1,1-Dichloroethane	23.8	0.50	"	20.0		119	70-130	4	30	
1,2-Dichloroethane	23.1	0.50	"	20.0		116	70-130	5	30	
1,1-Dichloroethene	21.2	0.50	"	20.0		106	70-130	3	30	
cis-1,2-Dichloroethene	21.3	0.50	"	20.0		106	70-130	3	30	
trans-1,2-Dichloroethene	21.3	0.50	"	20.0		106	70-130	3	30	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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Purgeable Organic Compounds by EPA Method 524.2 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303175 - EPA 3510B GCMS

LCS Dup (2303175-BSD1)

Prepared & Analyzed: 04/17/23

1,2-Dichloropropane	19.6	0.50	µg/L	20.0		98	70-130	4	30	
cis-1,3-Dichloropropene	20.1	0.50	"	20.0		101	70-130	4	30	
trans-1,3-Dichloropropene	19.6	0.50	"	20.0		98	70-130	3	30	
Ethylbenzene	19.4	0.50	"	20.0		97	70-130	4	30	
Ethyl tert-butyl ether	19.5	3.0	"	20.0		98	70-130	15	30	
Isopropylbenzene	20.4	0.50	"	20.0		102	70-130	2	30	
Methyl tert-butyl ether	20.9	3.0	"	20.0		105	70-130	15	30	
Methylene chloride	20.7	0.50	"	20.0		104	70-130	5	30	
Naphthalene	23.8	0.50	"	20.0		119	70-130	17	30	
n-Propylbenzene	20.3	0.50	"	20.0		101	70-130	2	30	
Styrene	16.5	0.50	"	20.0		82	70-130	2	30	
1,1,1,2-Tetrachloroethane	16.6	0.50	"	20.0		83	70-130	4	30	
1,1,2,2-Tetrachloroethane	20.4	0.50	"	20.0		102	70-130	5	30	
Tetrachloroethene	19.5	0.50	"	20.0		98	70-130	6	30	
Toluene	22.9	0.50	"	20.0		114	70-130	1	30	
1,2,3-Trichlorobenzene	23.6	0.50	"	20.0		118	70-130	30	30	
1,2,4-Trichlorobenzene	23.8	0.50	"	20.0		119	70-130	17	30	
1,1,1-Trichloroethane	21.9	0.50	"	20.0		109	70-130	2	30	
1,1,2-Trichloroethane	19.5	0.50	"	20.0		98	70-130	4	30	
Trichloroethene	19.8	0.50	"	20.0		99	70-130	5	30	
Trichlorofluoromethane	16.8	5.0	"	20.0		84	70-130	2	30	
1,2,4-Trimethylbenzene	20.3	0.50	"	20.0		101	70-130	2	30	
1,3,5-Trimethylbenzene	20.3	0.50	"	20.0		101	70-130	2	30	
Vinyl chloride	22.1	0.50	"	20.0		110	60-140	7	30	
m,p-Xylene	31.9	0.50	"	40.0		80	70-130	5	30	
o-Xylene	16.6	0.50	"	20.0		83	70-130	4	30	
Bromobenzene*	19.5	0.50	"	20.0		97	70-130	0.5	30	
Bromochloromethane*	20.4	0.50	"	20.0		102	70-130	6	30	
Bromomethane*	16.7	0.50	"	20.0		83	60-140	1	30	
Chloroethane*	16.8	0.50	"	20.0		84	60-140	0.5	30	
Chloromethane*	18.3	0.50	"	20.0		91	60-140	3	30	
Dibromomethane*	20.3	0.50	"	20.0		101	70-130	5	30	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

**LCS Dup (2303175-BSD1)**

Prepared & Analyzed: 04/17/23

1,3-Dichloropropane*	19.7	0.50	µg/L	20.0		99	70-130	3	30	
2,2-Dichloropropane*	22.2	0.50	"	20.0		111	70-130	2	30	
1,1-Dichloropropene*	21.9	0.50	"	20.0		110	70-130	4	30	
Hexachlorobutadiene*	22.0	0.50	"	20.0		110	40-160	0.4	30	
p-Isopropyltoluene*	20.0	0.50	"	20.0		100	70-130	0.5	30	
Di-isopropyl ether*	19.2	0.50	"	20.0		96	70-130	16	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.00</i>		<i>"</i>	<i>10.0</i>		<i>90</i>	<i>66-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.35</i>		<i>"</i>	<i>10.0</i>		<i>94</i>	<i>70-130</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>8.56</i>		<i>"</i>	<i>10.0</i>		<i>86</i>	<i>70-130</i>			

**Matrix Spike (2303175-MS1)**

Source: 23D0807-01

Prepared & Analyzed: 04/17/23

tert-Amyl methyl ether	19.4	3.0	µg/L	20.0	ND	97	60-140			
Benzene	22.7	0.50	"	20.0	ND	113	60-140			
Bromodichloromethane	29.0	0.50	"	20.0	2.28	134	60-140			
Bromoform	17.3	0.50	"	20.0	ND	87	60-140			
n-Butylbenzene	16.6	0.50	"	20.0	ND	83	60-140			
sec-Butylbenzene	19.3	0.50	"	20.0	ND	97	60-140			
tert-Butylbenzene	19.9	0.50	"	20.0	ND	99	60-140			
Carbon tetrachloride	22.8	0.50	"	20.0	ND	114	60-140			
Chlorobenzene	18.1	0.50	"	20.0	ND	90	60-140			
Chloroform	62.7	0.50	"	20.0	36.1	133	60-140			
o-Chlorotoluene	21.1	0.50	"	20.0	ND	105	60-140			
p-Chlorotoluene	20.0	0.50	"	20.0	ND	100	60-140			
Dibromochloromethane	23.9	0.50	"	20.0	ND	120	60-140			
1,2-Dichlorobenzene	20.2	0.50	"	20.0	ND	101	60-140			
1,3-Dichlorobenzene	20.1	0.50	"	20.0	ND	101	60-140			
1,4-Dichlorobenzene	19.8	0.50	"	20.0	ND	99	60-140			
Dichlorodifluoromethane (Freon 12)	15.6	0.50	"	20.0	ND	78	60-140			
1,1-Dichloroethane	22.8	0.50	"	20.0	ND	114	60-140			
1,2-Dichloroethane	22.8	0.50	"	20.0	ND	114	60-140			
1,1-Dichloroethene	20.4	0.50	"	20.0	ND	102	60-140			
cis-1,2-Dichloroethene	20.5	0.50	"	20.0	ND	102	60-140			





MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

**Matrix Spike (2303175-MS1)**

Source: 23D0807-01

Prepared & Analyzed: 04/17/23

trans-1,2-Dichloroethene	20.7	0.50	µg/L	20.0	ND	104	60-140			
1,2-Dichloropropane	22.2	0.50	"	20.0	ND	111	60-140			
cis-1,3-Dichloropropene	22.1	0.50	"	20.0	ND	111	60-140			
trans-1,3-Dichloropropene	22.0	0.50	"	20.0	ND	110	60-140			
Ethylbenzene	35.0	0.50	"	20.0	11.6	117	60-140			
Ethyl tert-butyl ether	19.0	3.0	"	20.0	ND	95	60-140			
Isopropylbenzene	20.9	0.50	"	20.0	ND	105	60-140			
Methyl tert-butyl ether	20.3	3.0	"	20.0	ND	102	60-140			
Methylene chloride	19.8	0.50	"	20.0	10.1	49	60-140			QM-7
Naphthalene	17.5	0.50	"	20.0	ND	87	60-140			
n-Propylbenzene	20.3	0.50	"	20.0	ND	102	60-140			
Styrene	18.9	0.50	"	20.0	ND	94	60-140			
1,1,1,2-Tetrachloroethane	18.7	0.50	"	20.0	ND	93	60-140			
1,1,2,2-Tetrachloroethane	21.7	0.50	"	20.0	ND	109	60-140			
Tetrachloroethene	22.6	0.50	"	20.0	ND	113	60-140			
Toluene	26.0	0.50	"	20.0	ND	130	60-140			
1,2,3-Trichlorobenzene	13.4	0.50	"	20.0	ND	67	60-140			
1,2,4-Trichlorobenzene	16.0	0.50	"	20.0	ND	80	60-140			
1,1,1-Trichloroethane	22.2	0.50	"	20.0	ND	111	60-140			
1,1,2-Trichloroethane	25.5	0.50	"	20.0	2.56	115	60-140			
Trichloroethene	22.4	0.50	"	20.0	ND	112	60-140			
Trichlorofluoromethane	19.2	5.0	"	20.0	ND	96	60-140			
1,2,4-Trimethylbenzene	19.9	0.50	"	20.0	ND	99	60-140			
1,3,5-Trimethylbenzene	20.6	0.50	"	20.0	ND	103	60-140			
Vinyl chloride	22.6	0.50	"	20.0	ND	113	60-140			
m,p-Xylene	83.2	0.50	"	40.0	44.1	98	60-140			
o-Xylene	38.7	0.50	"	20.0	18.6	101	60-140			
Bromobenzene*	20.0	0.50	"	20.0	ND	100	60-140			
Bromochloromethane*	19.6	0.50	"	20.0	ND	98	60-140			
Bromomethane*	16.0	0.50	"	20.0	ND	80	60-140			
Chloroethane*	17.0	0.50	"	20.0	ND	85	60-140			
Chloromethane*	14.4	0.50	"	20.0	ND	72	60-140			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

Matrix Spike (2303175-MS1)	Source: 23D0807-01			Prepared & Analyzed: 04/17/23						
Dibromomethane*	24.3	0.50	µg/L	20.0	ND	121	60-140			
1,3-Dichloropropane*	22.8	0.50	"	20.0	ND	114	60-140			
2,2-Dichloropropane*	20.0	0.50	"	20.0	ND	100	60-140			
1,1-Dichloropropene*	21.3	0.50	"	20.0	ND	107	60-140			
Hexachlorobutadiene*	17.2	0.50	"	20.0	ND	86	60-140			
p-Isopropyltoluene*	18.5	0.50	"	20.0	ND	92	60-140			
Di-isopropyl ether*	18.0	0.50	"	20.0	ND	90	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.59		"	10.0		86	66-135			
<i>Surrogate: Toluene-d8</i>	9.46		"	10.0		95	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.30		"	10.0		73	70-130			

Matrix Spike Dup (2303175-MSD1)	Source: 23D0807-01			Prepared & Analyzed: 04/17/23						
tert-Amyl methyl ether	20.3	3.0	µg/L	20.0	ND	102	60-140	5	30	
Benzene	22.4	0.50	"	20.0	ND	112	60-140	1	30	
Bromodichloromethane	29.3	0.50	"	20.0	2.28	135	60-140	0.8	30	
Bromoform	19.1	0.50	"	20.0	ND	95	60-140	10	30	
n-Butylbenzene	20.2	0.50	"	20.0	ND	101	60-140	19	30	
sec-Butylbenzene	21.4	0.50	"	20.0	ND	107	60-140	10	30	
tert-Butylbenzene	22.0	0.50	"	20.0	ND	110	60-140	10	30	
Carbon tetrachloride	23.6	0.50	"	20.0	ND	118	60-140	3	30	
Chlorobenzene	18.5	0.50	"	20.0	ND	93	60-140	2	30	
Chloroform	71.8	0.50	"	20.0	36.1	178	60-140	14	30	QM-7
o-Chlorotoluene	23.0	0.50	"	20.0	ND	115	60-140	9	30	
p-Chlorotoluene	21.8	0.50	"	20.0	ND	109	60-140	9	30	
Dibromochloromethane	24.7	0.50	"	20.0	ND	124	60-140	3	30	
1,2-Dichlorobenzene	22.6	0.50	"	20.0	ND	113	60-140	11	30	
1,3-Dichlorobenzene	22.2	0.50	"	20.0	ND	111	60-140	10	30	
1,4-Dichlorobenzene	22.1	0.50	"	20.0	ND	110	60-140	11	30	
Dichlorodifluoromethane (Freon 12)	12.2	0.50	"	20.0	ND	61	60-140	24	30	
1,1-Dichloroethane	25.6	0.50	"	20.0	ND	128	60-140	11	30	
1,2-Dichloroethane	24.9	0.50	"	20.0	ND	125	60-140	9	30	
1,1-Dichloroethene	21.0	0.50	"	20.0	ND	105	60-140	3	30	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

Matrix Spike Dup (2303175-MSD1)	Source: 23D0807-01			Prepared & Analyzed: 04/17/23						
cis-1,2-Dichloroethene	22.7	0.50	µg/L	20.0	ND	113	60-140	10	30	
trans-1,2-Dichloroethene	22.7	0.50	"	20.0	ND	114	60-140	9	30	
1,2-Dichloropropane	22.1	0.50	"	20.0	ND	111	60-140	0.2	30	
cis-1,3-Dichloropropene	21.8	0.50	"	20.0	ND	109	60-140	1	30	
trans-1,3-Dichloropropene	21.6	0.50	"	20.0	ND	108	60-140	2	30	
Ethylbenzene	35.8	0.50	"	20.0	11.6	121	60-140	2	30	
Ethyl tert-butyl ether	20.0	3.0	"	20.0	ND	100	60-140	5	30	
Isopropylbenzene	22.7	0.50	"	20.0	ND	113	60-140	8	30	
Methyl tert-butyl ether	21.8	3.0	"	20.0	ND	109	60-140	7	30	
Methylene chloride	22.2	0.50	"	20.0	10.1	60	60-140	11	30	
Naphthalene	25.9	0.50	"	20.0	ND	129	60-140	39	30	QR-2
n-Propylbenzene	22.2	0.50	"	20.0	ND	111	60-140	9	30	
Styrene	19.3	0.50	"	20.0	ND	96	60-140	2	30	
1,1,1,2-Tetrachloroethane	18.7	0.50	"	20.0	ND	94	60-140	0.4	30	
1,1,2,2-Tetrachloroethane	24.2	0.50	"	20.0	ND	121	60-140	11	30	
Tetrachloroethene	21.2	0.50	"	20.0	ND	106	60-140	7	30	
Toluene	25.4	0.50	"	20.0	ND	127	60-140	3	30	
1,2,3-Trichlorobenzene	22.5	0.50	"	20.0	ND	113	60-140	51	30	QR-2
1,2,4-Trichlorobenzene	22.6	0.50	"	20.0	ND	113	60-140	34	30	QR-2
1,1,1-Trichloroethane	23.6	0.50	"	20.0	ND	118	60-140	6	30	
1,1,2-Trichloroethane	24.9	0.50	"	20.0	2.56	112	60-140	3	30	
Trichloroethene	21.8	0.50	"	20.0	ND	109	60-140	3	30	
Trichlorofluoromethane	15.7	5.0	"	20.0	ND	79	60-140	20	30	
1,2,4-Trimethylbenzene	22.3	0.50	"	20.0	ND	112	60-140	12	30	
1,3,5-Trimethylbenzene	22.5	0.50	"	20.0	ND	112	60-140	9	30	
Vinyl chloride	21.0	0.50	"	20.0	ND	105	60-140	8	30	
m,p-Xylene	86.1	0.50	"	40.0	44.1	105	60-140	3	30	
o-Xylene	39.8	0.50	"	20.0	18.6	106	60-140	3	30	
Bromobenzene*	22.4	0.50	"	20.0	ND	112	60-140	11	30	
Bromochloromethane*	21.7	0.50	"	20.0	ND	108	60-140	10	30	
Bromomethane*	16.4	0.50	"	20.0	ND	82	60-140	3	30	
Chloroethane*	16.8	0.50	"	20.0	ND	84	60-140	1	30	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**Purgeable Organic Compounds by EPA Method 524.2 - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

Matrix Spike Dup (2303175-MSD1)	Source: 23D0807-01			Prepared & Analyzed: 04/17/23						
Chloromethane*	14.3	0.50	µg/L	20.0	ND	72	60-140	0.1	30	
Dibromomethane*	23.4	0.50	"	20.0	ND	117	60-140	4	30	
1,3-Dichloropropane*	22.3	0.50	"	20.0	ND	112	60-140	2	30	
2,2-Dichloropropane*	21.5	0.50	"	20.0	ND	107	60-140	7	30	
1,1-Dichloropropene*	23.0	0.50	"	20.0	ND	115	60-140	8	30	
Hexachlorobutadiene*	22.4	0.50	"	20.0	ND	112	60-140	26	30	
p-Isopropyltoluene*	20.9	0.50	"	20.0	ND	104	60-140	12	30	
Di-isopropyl ether*	19.0	0.50	"	20.0	ND	95	60-140	6	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.87		"	10.0		89	66-135			
<i>Surrogate: Toluene-d8</i>	9.18		"	10.0		92	70-130			
<i>Surrogate: 4-Bromofluorobenzene</i>	7.43		"	10.0		74	70-130			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**RCRA Metals by EPA 6000/7000 Series Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303134 - EPA 3010A**

**Blank (2303134-BLK1)**

Prepared & Analyzed: 04/17/23

Barium	ND	0.050	mg/L							
Cadmium	ND	0.010	"							
Chromium	ND	0.020	"							
Lead	ND	0.050	"							
Silver	ND	0.010	"							
Arsenic	ND	0.010	"							
Selenium	ND	0.010	"							

**LCS (2303134-BS1)**

Prepared & Analyzed: 04/17/23

Barium	0.551	0.050	mg/L	0.500		110	80-120			
Cadmium	0.572	0.010	"	0.500		114	80-120			
Chromium	0.560	0.020	"	0.500		112	80-120			
Lead	0.577	0.050	"	0.500		115	80-120			
Silver	0.592	0.010	"	0.500		118	80-120			
Arsenic	0.582	0.010	"	0.500		116	80-120			
Selenium	0.551	0.010	"	0.500		110	80-120			

**Matrix Spike (2303134-MS1)**

Source: 23D0730-01

Prepared & Analyzed: 04/17/23

Barium	0.603	0.050	mg/L	0.500	0.0792	105	75-125			
Cadmium	0.552	0.010	"	0.500	ND	110	75-125			
Chromium	0.540	0.020	"	0.500	ND	108	75-125			
Lead	0.528	0.050	"	0.500	ND	106	75-125			
Silver	0.562	0.010	"	0.500	ND	112	75-125			
Arsenic	0.589	0.010	"	0.500	0.00226	117	75-125			
Selenium	0.587	0.010	"	0.500	ND	117	75-125			

**Matrix Spike Dup (2303134-MSD1)**

Source: 23D0730-01

Prepared & Analyzed: 04/17/23

Barium	0.607	0.050	mg/L	0.500	0.0792	105	75-125	0.6	25	
Cadmium	0.556	0.010	"	0.500	ND	111	75-125	0.7	25	
Chromium	0.542	0.020	"	0.500	ND	108	75-125	0.4	25	
Lead	0.532	0.050	"	0.500	ND	106	75-125	0.9	25	
Silver	0.566	0.010	"	0.500	ND	113	75-125	0.7	25	
Arsenic	0.591	0.010	"	0.500	0.00226	118	75-125	0.3	25	
Selenium	0.594	0.010	"	0.500	ND	119	75-125	1	25	



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**RCRA Metals by EPA 6000/7000 Series Methods - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303134 - EPA 3010A**

**Batch 2303137 - EPA 7470A**

<b>Blank (2303137-BLK1)</b>				Prepared & Analyzed: 04/17/23						
Mercury	ND	0.00020	mg/L							
<b>LCS (2303137-BS1)</b>				Prepared & Analyzed: 04/17/23						
Mercury	0.00489	0.00020	mg/L	0.00500		98	75-125			
<b>Matrix Spike (2303137-MS1)</b>				<b>Source: 23D0700-01</b>		Prepared & Analyzed: 04/17/23				
Mercury	0.00292	0.00020	mg/L	0.00500	ND	58	75-125			QM-7
<b>Matrix Spike Dup (2303137-MSD1)</b>				<b>Source: 23D0700-01</b>		Prepared & Analyzed: 04/17/23				
Mercury	0.00299	0.00020	mg/L	0.00500	ND	60	75-125	2	25	QM-7



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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TCLP Pesticides by EPA Method 1311/8081A - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2303220 - EPA 3510B GCNV

Blank (2303220-BLK1)

Prepared: 04/18/23 Analyzed: 04/19/23

Aldrin	ND	0.050	µg/L							
alpha-BHC	ND	0.050	"							
beta-BHC	ND	0.050	"							
delta-BHC	ND	0.050	"							
gamma-BHC (Lindane)	ND	0.050	"							
Chlordane	ND	0.50	"							
4,4'-DDD	ND	0.10	"							
4,4'-DDE	ND	0.10	"							
4,4'-DDT	ND	0.10	"							
Dieldrin	ND	0.10	"							
Endosulfan I	ND	0.050	"							
Endosulfan II	ND	0.10	"							
Endosulfan sulfate	ND	0.10	"							
Endrin	ND	0.10	"							
Endrin aldehyde	ND	0.10	"							
Heptachlor	ND	0.050	"							
Heptachlor epoxide	ND	0.050	"							
Methoxychlor	ND	0.50	"							
Mirex*	ND	0.10	"							
Toxaphene*	ND	1.0	"							
Methapyrilene*	ND	0.10	"							
Surrogate: Tetrachloro-meta-xylene	0.250		"	0.250		100	43-147			
Surrogate: Decachlorobiphenyl	0.306		"	0.250		122	43-139			

LCS (2303220-BS1)

Prepared: 04/18/23 Analyzed: 04/19/23

Aldrin	0.566	0.050	µg/L	0.500		113	50-130			
gamma-BHC (Lindane)	0.583	0.050	"	0.500		117	50-130			
4,4'-DDT	0.613	0.10	"	0.500		123	50-134			
Dieldrin	0.613	0.10	"	0.500		123	48-129			
Endrin	0.548	0.10	"	0.500		110	30-147			
Heptachlor	0.535	0.050	"	0.500		107	34-137			
Surrogate: Tetrachloro-meta-xylene	0.233		"	0.250		93	43-147			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Pesticides by EPA Method 1311/8081A - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303220 - EPA 3510B GCNV**

**LCS (2303220-BS1)**

Prepared: 04/18/23 Analyzed: 04/19/23

Surrogate: Decachlorobiphenyl 0.301 µg/L 0.250 120 43-139

**LCS Dup (2303220-BSD1)**

Prepared: 04/18/23 Analyzed: 04/19/23

Aldrin	0.538	0.050	µg/L	0.500		108	50-130	5	30
gamma-BHC (Lindane)	0.552	0.050	"	0.500		110	50-130	5	30
4,4'-DDT	0.560	0.10	"	0.500		112	50-134	9	30
Dieldrin	0.574	0.10	"	0.500		115	48-129	7	30
Endrin	0.508	0.10	"	0.500		102	30-147	8	30
Heptachlor	0.507	0.050	"	0.500		101	34-137	5	30

Surrogate: Tetrachloro-meta-xylene 0.238 " 0.250 95 43-147

Surrogate: Decachlorobiphenyl 0.295 " 0.250 118 43-139

**Matrix Spike (2303220-MS1)**

Source: 23D0781-08

Prepared: 04/18/23 Analyzed: 04/19/23

Aldrin	3.41	0.50	µg/L	5.00	ND	68	48-143		
gamma-BHC (Lindane)	4.66	0.50	"	5.00	ND	93	37-146		
4,4'-DDT	5.92	1.0	"	5.00	ND	118	56-161		
Dieldrin	5.28	1.0	"	5.00	ND	106	42-146		
Endrin	5.47	1.0	"	5.00	ND	109	28-137		
Heptachlor	3.02	0.50	"	5.00	ND	60	36-135		

Surrogate: Tetrachloro-meta-xylene 1.28 " 2.50 51 43-147

Surrogate: Decachlorobiphenyl 2.14 " 2.50 85 43-139

**Matrix Spike Dup (2303220-MSD1)**

Source: 23D0781-08

Prepared: 04/18/23 Analyzed: 04/19/23

Aldrin	3.45	0.50	µg/L	5.00	ND	69	48-143	1	30
gamma-BHC (Lindane)	4.91	0.50	"	5.00	ND	98	37-146	5	30
4,4'-DDT	6.01	1.0	"	5.00	ND	120	56-161	2	30
Dieldrin	5.28	1.0	"	5.00	ND	106	42-146	0.1	30
Endrin	5.41	1.0	"	5.00	ND	108	28-137	1	30
Heptachlor	3.20	0.50	"	5.00	ND	64	36-135	6	30

Surrogate: Tetrachloro-meta-xylene 1.47 " 2.50 59 43-147

Surrogate: Decachlorobiphenyl 2.14 " 2.50 86 43-139





MEI (Mussion Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303227 - EPA 3510B GCMS**

<b>Blank (2303227-BLK1)</b>		Prepared: 04/19/23 Analyzed: 04/20/23								
Cresols, Total	ND	0.20	mg/L							
2,4-Dinitrotoluene (2,4-DNT)	ND	0.10	"							
Hexachlorobenzene	ND	0.10	"							
Hexachloro-1,3-butadiene	ND	0.10	"							
Hexachloroethane	ND	0.10	"							
Nitrobenzene (NB)	ND	0.10	"							
Pentachlorophenol	ND	0.50	"							
2,4,5-Trichlorophenol	ND	0.10	"							
2,4,6-Trichlorophenol	ND	0.10	"							
Pyridine	ND	0.10	"							
<i>Surrogate: 2-Fluorophenol</i>	<i>0.372</i>		<i>"</i>	<i>0.500</i>		<i>74</i>	<i>25-121</i>			
<i>Surrogate: Phenol-d6</i>	<i>0.345</i>		<i>"</i>	<i>0.500</i>		<i>69</i>	<i>24-113</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.298</i>		<i>"</i>	<i>0.500</i>		<i>60</i>	<i>23-120</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.312</i>		<i>"</i>	<i>0.500</i>		<i>62</i>	<i>30-115</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.298</i>		<i>"</i>	<i>0.500</i>		<i>60</i>	<i>19-122</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.330</i>		<i>"</i>	<i>0.500</i>		<i>66</i>	<i>18-137</i>			

<b>LCS (2303227-BS1)</b>		Prepared: 04/19/23 Analyzed: 04/20/23								
Cresols, Total	0.360	0.20	mg/L	0.400		90	41-165			
2,4-Dinitrotoluene (2,4-DNT)	0.181	0.10	"	0.200		90	24-180			
Hexachlorobenzene	0.202	0.10	"	0.200		101	12-160			
Hexachloro-1,3-butadiene	0.182	0.10	"	0.200		91	46-166			
Hexachloroethane	0.180	0.10	"	0.200		90	43-150			
Nitrobenzene (NB)	0.174	0.10	"	0.200		87	47-175			
Pentachlorophenol	0.128	0.50	"	0.200		64	14-210			
2,4,5-Trichlorophenol	0.184	0.10	"	0.200		92	55-162			
2,4,6-Trichlorophenol	0.183	0.10	"	0.200		92	55-175			
Pyridine	0.186	0.10	"	0.200		93	50-150			
<i>Surrogate: 2-Fluorophenol</i>	<i>0.396</i>		<i>"</i>	<i>0.500</i>		<i>79</i>	<i>25-121</i>			
<i>Surrogate: Phenol-d6</i>	<i>0.362</i>		<i>"</i>	<i>0.500</i>		<i>72</i>	<i>24-113</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.316</i>		<i>"</i>	<i>0.500</i>		<i>63</i>	<i>23-120</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.336</i>		<i>"</i>	<i>0.500</i>		<i>67</i>	<i>30-115</i>			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303227 - EPA 3510B GCMS**

**LCS (2303227-BS1)**

Prepared: 04/19/23 Analyzed: 04/20/23

Surrogate: 2,4,6-Tribromophenol	0.375		mg/L	0.500		75	19-122			
Surrogate: Terphenyl-dl4	0.344		"	0.500		69	18-137			

**LCS Dup (2303227-BSD1)**

Prepared: 04/19/23 Analyzed: 04/20/23

Cresols, Total	0.366	0.20	mg/L	0.400		91	41-165	2	30	
2,4-Dinitrotoluene (2,4-DNT)	0.179	0.10	"	0.200		89	24-180	0.9	30	
Hexachlorobenzene	0.199	0.10	"	0.200		99	12-160	2	30	
Hexachloro-1,3-butadiene	0.186	0.10	"	0.200		93	46-166	2	30	
Hexachloroethane	0.179	0.10	"	0.200		89	43-150	0.6	30	
Nitrobenzene (NB)	0.173	0.10	"	0.200		86	47-175	0.9	30	
Pentachlorophenol	0.127	0.50	"	0.200		64	14-210	0.6	30	
2,4,5-Trichlorophenol	0.184	0.10	"	0.200		92	55-162	0.05	30	
2,4,6-Trichlorophenol	0.187	0.10	"	0.200		94	55-175	2	30	
Pyridine	0.183	0.10	"	0.200		91	50-150	2	30	
Surrogate: 2-Fluorophenol	0.385		"	0.500		77	25-121			
Surrogate: Phenol-d6	0.358		"	0.500		72	24-113			
Surrogate: Nitrobenzene-d5	0.303		"	0.500		61	23-120			
Surrogate: 2-Fluorobiphenyl	0.333		"	0.500		67	30-115			
Surrogate: 2,4,6-Tribromophenol	0.359		"	0.500		72	19-122			
Surrogate: Terphenyl-dl4	0.326		"	0.500		65	18-137			

**Matrix Spike (2303227-MS1)**

Source: 23D0781-08

Prepared: 04/19/23 Analyzed: 04/21/23

Cresols, Total	0.379	0.20	mg/L	0.400	ND	95	41-165			
2,4-Dinitrotoluene (2,4-DNT)	0.198	0.10	"	0.200	ND	99	24-180			
Hexachlorobenzene	0.217	0.10	"	0.200	ND	109	12-160			
Hexachloro-1,3-butadiene	0.0786	0.10	"	0.200	ND	39	46-166			QM-7
Hexachloroethane	0.0965	0.10	"	0.200	ND	48	43-150			
Nitrobenzene (NB)	0.203	0.10	"	0.200	ND	102	47-175			
Pentachlorophenol	0.122	0.50	"	0.200	ND	61	14-210			
2,4,5-Trichlorophenol	0.224	0.10	"	0.200	ND	112	55-162			
2,4,6-Trichlorophenol	0.223	0.10	"	0.200	ND	111	55-175			
Pyridine	0.122	0.10	"	0.200	ND	61	50-150			
Surrogate: 2-Fluorophenol	0.293		"	0.500		59	25-121			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303227 - EPA 3510B GCMS**

Matrix Spike (2303227-MS1)	Source: 23D0781-08		Prepared: 04/19/23 Analyzed: 04/21/23							
Surrogate: Phenol-d6	0.201		mg/L	0.500		40	24-113			
Surrogate: Nitrobenzene-d5	0.349		"	0.500		70	23-120			
Surrogate: 2-Fluorobiphenyl	0.343		"	0.500		69	30-115			
Surrogate: 2,4,6-Tribromophenol	0.414		"	0.500		83	19-122			
Surrogate: Terphenyl-d14	0.347		"	0.500		69	18-137			

Matrix Spike Dup (2303227-MSD1)	Source: 23D0781-08		Prepared: 04/19/23 Analyzed: 04/21/23							
Cresols, Total	0.341	0.20	mg/L	0.400	ND	85	41-165	11	30	
2,4-Dinitrotoluene (2,4-DNT)	0.187	0.10	"	0.200	ND	94	24-180	6	30	
Hexachlorobenzene	0.197	0.10	"	0.200	ND	99	12-160	9	30	
Hexachloro-1,3-butadiene	0.0619	0.10	"	0.200	ND	31	46-166		30	QM-7
Hexachloroethane	0.0817	0.10	"	0.200	ND	41	43-150		30	QM-7
Nitrobenzene (NB)	0.191	0.10	"	0.200	ND	95	47-175	6	30	
Pentachlorophenol	0.112	0.50	"	0.200	ND	56	14-210		30	
2,4,5-Trichlorophenol	0.190	0.10	"	0.200	ND	95	55-162	16	30	
2,4,6-Trichlorophenol	0.189	0.10	"	0.200	ND	94	55-175	16	30	
Pyridine	0.135	0.10	"	0.200	ND	68	50-150	11	30	
Surrogate: 2-Fluorophenol	0.279		"	0.500		56	25-121			
Surrogate: Phenol-d6	0.191		"	0.500		38	24-113			
Surrogate: Nitrobenzene-d5	0.324		"	0.500		65	23-120			
Surrogate: 2-Fluorobiphenyl	0.296		"	0.500		59	30-115			
Surrogate: 2,4,6-Tribromophenol	0.362		"	0.500		72	19-122			
Surrogate: Terphenyl-d14	0.328		"	0.500		66	18-137			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: <b>23D0781</b> COC #: 226681
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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

**Blank (2303175-BLK1)**

Prepared & Analyzed: 04/17/23

Benzene	ND	0.050	mg/L							
Carbon tetrachloride	ND	0.050	"							
Chlorobenzene	ND	0.050	"							
Chloroform	ND	0.050	"							
1,4-Dichlorobenzene	ND	0.050	"							
1,2-Dichloroethane	ND	0.050	"							
1,1-Dichloroethene	ND	0.050	"							
Methyl ethyl ketone	ND	1.0	"							
Tetrachloroethene	ND	0.050	"							
Trichloroethene	ND	0.050	"							
Vinyl chloride	ND	0.10	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.00888</i>		<i>"</i>	<i>0.0100</i>		<i>89</i>	<i>66-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.00964</i>		<i>"</i>	<i>0.0100</i>		<i>96</i>	<i>72-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0113</i>		<i>"</i>	<i>0.0100</i>		<i>113</i>	<i>73-125</i>			

**LCS (2303175-BS1)**

Prepared & Analyzed: 04/17/23

Benzene	0.0212	0.050	mg/L	0.0200		106	60-135			
Carbon tetrachloride	0.0216	0.050	"	0.0200		108	60-140			
Chlorobenzene	0.0170	0.050	"	0.0200		85	60-133			
Chloroform	0.0222	0.050	"	0.0200		111	60-140			
1,4-Dichlorobenzene	0.0198	0.050	"	0.0200		99	60-140			
1,2-Dichloroethane	0.0220	0.050	"	0.0200		110	60-140			
1,1-Dichloroethene	0.0219	0.050	"	0.0200		109	42-150			
Methyl ethyl ketone	0.0974	1.0	"	0.100		97	60-140			
Tetrachloroethene	0.0208	0.050	"	0.0200		104	60-140			
Trichloroethene	0.0209	0.050	"	0.0200		105	62-140			
Vinyl chloride	0.0206	0.10	"	0.0200		103	60-140			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.00850</i>		<i>"</i>	<i>0.0100</i>		<i>85</i>	<i>66-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.00950</i>		<i>"</i>	<i>0.0100</i>		<i>95</i>	<i>72-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.00853</i>		<i>"</i>	<i>0.0100</i>		<i>85</i>	<i>73-125</i>			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

**LCS Dup (2303175-BSD1)**

Prepared & Analyzed: 04/17/23

Benzene	0.0200	0.050	mg/L	0.0200		100	60-135	6	30	
Carbon tetrachloride	0.0223	0.050	"	0.0200		111	60-140	3	30	
Chlorobenzene	0.0166	0.050	"	0.0200		83	60-133	3	30	
Chloroform	0.0230	0.050	"	0.0200		115	60-140	4	30	
1,4-Dichlorobenzene	0.0195	0.050	"	0.0200		97	60-140	2	30	
1,2-Dichloroethane	0.0231	0.050	"	0.0200		116	60-140	5	30	
1,1-Dichloroethene	0.0212	0.050	"	0.0200		106	42-150	3	30	
Methyl ethyl ketone	0.107	1.0	"	0.100		107	60-140	9	30	
Tetrachloroethene	0.0195	0.050	"	0.0200		98	60-140	6	30	
Trichloroethene	0.0198	0.050	"	0.0200		99	62-140	5	30	
Vinyl chloride	0.0221	0.10	"	0.0200		110	60-140	7	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.00900</i>		<i>"</i>	<i>0.0100</i>		<i>90</i>	<i>66-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.00935</i>		<i>"</i>	<i>0.0100</i>		<i>94</i>	<i>72-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.00856</i>		<i>"</i>	<i>0.0100</i>		<i>86</i>	<i>73-125</i>			

**Matrix Spike (2303175-MS1)**

Source: 23D0807-01

Prepared & Analyzed: 04/17/23

Benzene	0.0227	0.050	mg/L	0.0200	ND	113	52-139			
Carbon tetrachloride	0.0228	0.050	"	0.0200	ND	114	60-130			
Chlorobenzene	0.0181	0.050	"	0.0200	ND	90	62-134			
Chloroform	0.0627	0.050	"	0.0200	0.0361	133	70-140			
1,4-Dichlorobenzene	0.0198	0.050	"	0.0200	ND	99	70-130			
1,2-Dichloroethane	0.0228	0.050	"	0.0200	ND	114	75-130			
1,1-Dichloroethene	0.0204	0.050	"	0.0200	ND	102	32-152			
Methyl ethyl ketone	0.0925	1.0	"	0.100	ND	92	60-140			
Tetrachloroethene	0.0226	0.050	"	0.0200	ND	113	75-130			
Trichloroethene	0.0224	0.050	"	0.0200	ND	112	55-138			
Vinyl chloride	0.0226	0.10	"	0.0200	ND	113	70-135			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.00859</i>		<i>"</i>	<i>0.0100</i>		<i>86</i>	<i>66-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.00946</i>		<i>"</i>	<i>0.0100</i>		<i>95</i>	<i>72-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.00730</i>		<i>"</i>	<i>0.0100</i>		<i>73</i>	<i>73-125</i>			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	CLS Work Order #: 23D0781 COC #: 226681
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**TCLP Volatile Organic Compounds by EPA Method 1311/8260B - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 2303175 - EPA 3510B GCMS**

<b>Matrix Spike Dup (2303175-MSD1)</b>	<b>Source: 23D0807-01</b>			<b>Prepared &amp; Analyzed: 04/17/23</b>						
Benzene	0.0224	0.050	mg/L	0.0200	ND	112	52-139	1	30	
Carbon tetrachloride	0.0236	0.050	"	0.0200	ND	118	60-130	3	30	
Chlorobenzene	0.0185	0.050	"	0.0200	ND	93	62-134	2	30	
Chloroform	0.0718	0.050	"	0.0200	0.0361	178	70-140	14	30	QM-7
1,4-Dichlorobenzene	0.0221	0.050	"	0.0200	ND	110	70-130	11	30	
1,2-Dichloroethane	0.0249	0.050	"	0.0200	ND	125	75-130	9	30	
1,1-Dichloroethene	0.0210	0.050	"	0.0200	ND	105	32-152	3	30	
Methyl ethyl ketone	0.107	1.0	"	0.100	ND	107	60-140	15	30	
Tetrachloroethene	0.0212	0.050	"	0.0200	ND	106	75-130	7	30	
Trichloroethene	0.0218	0.050	"	0.0200	ND	109	55-138	3	30	
Vinyl chloride	0.0210	0.10	"	0.0200	ND	105	70-135	8	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.00887</i>		<i>"</i>	<i>0.0100</i>		<i>89</i>	<i>66-135</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.00918</i>		<i>"</i>	<i>0.0100</i>		<i>92</i>	<i>72-125</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.00743</i>		<i>"</i>	<i>0.0100</i>		<i>74</i>	<i>73-125</i>			



MEI (Musson Environmental and Inspection) 2416 G St, Unit A Sacramento, CA 95816	Project: Orland Soil Assessment Project Number: [none] Project Manager: Tim Musson	<b>CLS Work Order #: 23D0781</b> COC #: 226681
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**Notes and Definitions**

- TPH-X Although the sample contains compounds in the retention time range of target parameter, the chromatogram was not consistent with the expected chromatographic pattern or "fingerprint". However, the reported concentration is based on the target parameter.
- QS-4 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QRL-4 The reporting limits for this analysis are elevated due to sample foaming.
- QR-2 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- QM-7 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery.
- QM-1 The spike recovery was outside acceptance limits for the LCS or LCSD. The batch was accepted based on acceptable MS/MSD recoveries & RPD's.
- QC-2H The recovery of one CCV was greater than the acceptance limit. However, all analytes in the associated samples were ND; therefore a reanalysis was not performed.
- HT-F This is a field test method and it is performed in the lab outside holding time.
- F-03 >60
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit (or method detection limit when specified)
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- \* The laboratory does not hold CA-ELAP accreditation for this analyte or method. Accreditation may not be available from CA-ELAP for this analyte or method.

**CLS Labs - Shellie Furnas**

23D0781

**From:** Tim Musson <tmusson99@gmail.com>  
**Sent:** Monday, April 17, 2023 12:01 PM  
**To:** CLS Labs - Shellie Furnas  
**Subject:** Re: CLS 23D0781 Sample Receipt & COC - Orland Soil Assessment - Received 04-14-23

Thanks Shellie!

I see I missed that time, thank you. For your report, you can just use the field sample time on the actual sample.

Per our conversation earlier this morning regarding the Bucket and Drum sample, the disposal company Clean Earth indicated the following in regard to what they are looking for:

"We're seeking the characteristics of the waste (D001-D043).

RCI  
8270  
8081  
8151

Essentially, a full analytical test that includes: flashpoint, oxidizers, pH, reactivity, TCLP metals and organics.

We would need results less than regulatory limits for toxicity, 40 CFR 261.24.

Ignitability would be defined under 40 CR 261.21, corrosivity under 261.22 and reactivity under 261.23.

Please see attached, thanks!"

So you can go ahead and complete the above analysis(s). If I could get an updated cost for my client, that would be super!

Thank you

Tim Musson, MEI  
(916) 261-6301

On Mon, Apr 17, 2023 at 11:33 AM CLS Labs - Shellie Furnas <[shellief@californialab.com](mailto:shellief@californialab.com)> wrote:

Hi Tim,

**Per our conversation, the VOC method for sample Domestic Well has been changed to EPA 524.2 (drinking water method). Also, the sample time for the sample was not included on the COC, it was logged in per the information on the sample label. Please respond to the email for our paper trail.**

Attached is your Work Order Sample Receipt and COC for the above mentioned sample submissions, for your review. This email is to inform you that your samples have been received and are being processed as





Alpha Analytical, Inc.  
255 Glendale Ave, #21  
Sparks, Nevada 89431  
TEL: (775) 355-1044 FAX: (775) 355-0406  
Website: [www.alpha-analytical.com](http://www.alpha-analytical.com)

May 10, 2023

Mark Smith  
CLS Labs  
3249 Fitzgerald Road  
Rancho Cordova, CA 95742  
TEL: (916) 638-7301  
FAX: (916) 638-4510  
RE: 23D0781

Order No.: CLS2305057

Dear Mark Smith:

The result of this report apply to the sample(s) as received.

There were no problems with the analytical events associated with this report unless noted.

Quality control data is within laboratory defined or method specified acceptance limits except if noted.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

A handwritten signature in black ink that reads "Randy Gardner".

Randy Gardner  
Laboratory Director  
255 Glendale Ave, #21  
Sparks, Nevada 89431



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# Analytical Report

WO#: CLS2305057

Report Date: 5/10/2023

**CLIENT:** CLS Labs

**Collection Date:** 4/13/2023 1:30:00 PM

**Project:** 23D0781

**Lab ID:** 2305057-01

**Matrix:** SOIL

**Client Sample ID:** HA-1 (1FT)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	2.8	1.0		mg/Kg	5/8/2023	EPA 8015C
Surr: 1,2-Dichloroethane-d4	88	70-130		%Rec	5/8/2023	EPA 8015C
Surr: Toluene-d8	100	70-130		%Rec	5/8/2023	EPA 8015C
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5/8/2023	EPA 8015C

**NOTES:**

Sample was analyzed outside the hold time, per client request.

Chloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Vinyl chloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromomethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Trichlorofluoromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Dichloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroform	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,1-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Carbon tetrachloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Benzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloropropane	ND	20		µg/Kg	5/8/2023	EPA 8260
Trichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromodichloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,2-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Toluene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Dibromochloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Tetrachloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Ethylbenzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
m,p-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Bromoform	ND	20		µg/Kg	5/8/2023	EPA 8260
o-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,3-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,4-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Surr: 1,2-Dichloroethane-d4	88	70-130		%Rec	5/8/2023	EPA 8260
Surr: Toluene-d8	100	70-130		%Rec	5/8/2023	EPA 8260
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5/8/2023	EPA 8260

**NOTES:**

Sample was analyzed outside the hold time, per client request.



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# Analytical Report

WO#: CLS2305057

Report Date: 5/10/2023

**CLIENT:** CLS Labs

**Collection Date:** 4/13/2023 2:15:00 PM

**Project:** 23D0781

**Lab ID:** 2305057-02

**Matrix:** SOIL

**Client Sample ID:** HA-1 (2-4FT) COMP

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	1.4	1.0		mg/Kg	5/8/2023	EPA 8015C
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	5/8/2023	EPA 8015C
Surr: Toluene-d8	102	70-130		%Rec	5/8/2023	EPA 8015C
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5/8/2023	EPA 8015C

**NOTES:**

Sample was analyzed outside the hold time, per client request.

Chloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Vinyl chloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromomethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Trichlorofluoromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Dichloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroform	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,1-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Carbon tetrachloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Benzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloropropane	ND	20		µg/Kg	5/8/2023	EPA 8260
Trichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromodichloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,2-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Toluene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Dibromochloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Tetrachloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Ethylbenzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
m,p-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Bromoform	ND	20		µg/Kg	5/8/2023	EPA 8260
o-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,3-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,4-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Surr: 1,2-Dichloroethane-d4	86	70-130		%Rec	5/8/2023	EPA 8260
Surr: Toluene-d8	102	70-130		%Rec	5/8/2023	EPA 8260
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5/8/2023	EPA 8260

**NOTES:**

Sample was analyzed outside the hold time, per client request.

**CLIENT:** CLS Labs

**Collection Date:** 4/13/2023 1:35:00 PM

**Project:** 23D0781

**Lab ID:** 2305057-03

**Matrix:** SOIL

**Client Sample ID:** HA-1 (5FT)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	1.8	1.0		mg/Kg	5/8/2023	EPA 8015C
Surr: 1,2-Dichloroethane-d4	91	70-130		%Rec	5/8/2023	EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	5/8/2023	EPA 8015C
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	5/8/2023	EPA 8015C

**NOTES:**

Sample was analyzed outside the hold time, per client request.

Chloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Vinyl chloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromomethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Trichlorofluoromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Dichloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroform	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,1-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Carbon tetrachloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Benzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloropropane	ND	20		µg/Kg	5/8/2023	EPA 8260
Trichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromodichloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,2-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Toluene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Dibromochloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Tetrachloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Ethylbenzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
m,p-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Bromoform	ND	20		µg/Kg	5/8/2023	EPA 8260
o-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,3-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,4-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Surr: 1,2-Dichloroethane-d4	91	70-130		%Rec	5/8/2023	EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	5/8/2023	EPA 8260
Surr: 4-Bromofluorobenzene	95	70-130		%Rec	5/8/2023	EPA 8260

**NOTES:**

Sample was analyzed outside the hold time, per client request.



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# Analytical Report

WO#: CLS2305057

Report Date: 5/10/2023

**CLIENT:** CLS Labs

**Collection Date:** 4/13/2023 2:10:00 PM

**Project:** 23D0781

**Lab ID:** 2305057-04

**Matrix:** SOIL

**Client Sample ID:** HA-2 (5FT)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	ND	1.0		mg/Kg	5/8/2023	EPA 8015C
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	5/8/2023	EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	5/8/2023	EPA 8015C
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	5/8/2023	EPA 8015C

**NOTES:**

Sample was analyzed outside the hold time, per client request.

Chloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Vinyl chloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromomethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Trichlorofluoromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Dichloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroform	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,1-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Carbon tetrachloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Benzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloropropane	ND	20		µg/Kg	5/8/2023	EPA 8260
Trichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromodichloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,2-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Toluene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Dibromochloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Tetrachloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Ethylbenzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
m,p-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Bromoform	ND	20		µg/Kg	5/8/2023	EPA 8260
o-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,3-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,4-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Surr: 1,2-Dichloroethane-d4	89	70-130		%Rec	5/8/2023	EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	5/8/2023	EPA 8260
Surr: 4-Bromofluorobenzene	99	70-130		%Rec	5/8/2023	EPA 8260

**NOTES:**

Sample was analyzed outside the hold time, per client request.



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# Analytical Report

WO#: CLS2305057

Report Date: 5/10/2023

**CLIENT:** CLS Labs

**Collection Date:** 4/13/2023 2:30:00 PM

**Project:** 23D0781

**Lab ID:** 2305057-05

**Matrix:** SOIL

**Client Sample ID:** HA-3 (2.5FT)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	ND	1.0		mg/Kg	5/8/2023	EPA 8015C
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	5/8/2023	EPA 8015C
Surr: Toluene-d8	103	70-130		%Rec	5/8/2023	EPA 8015C
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	5/8/2023	EPA 8015C

**NOTES:**

Sample was analyzed outside the hold time, per client request.

Chloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Vinyl chloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromomethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Trichlorofluoromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Dichloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroform	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,1-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Carbon tetrachloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Benzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloropropane	ND	20		µg/Kg	5/8/2023	EPA 8260
Trichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromodichloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,2-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Toluene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Dibromochloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Tetrachloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Ethylbenzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
m,p-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Bromoform	ND	20		µg/Kg	5/8/2023	EPA 8260
o-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,3-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,4-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Surr: 1,2-Dichloroethane-d4	90	70-130		%Rec	5/8/2023	EPA 8260
Surr: Toluene-d8	103	70-130		%Rec	5/8/2023	EPA 8260
Surr: 4-Bromofluorobenzene	97	70-130		%Rec	5/8/2023	EPA 8260

**NOTES:**

Sample was analyzed outside the hold time, per client request.



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# Analytical Report

WO#: CLS2305057

Report Date: 5/10/2023

**CLIENT:** CLS Labs

**Collection Date:** 4/13/2023 3:30:00 PM

**Project:** 23D0781

**Lab ID:** 2305057-06

**Matrix:** SOIL

**Client Sample ID:** HA-4 (3FT)

Analyses	Result	RL	Qual	Units	Date Analyzed	Method
TPH-P (GRO)	ND	1.0		mg/Kg	5/8/2023	EPA 8015C
Surr: 1,2-Dichloroethane-d4	91	70-130		%Rec	5/8/2023	EPA 8015C
Surr: Toluene-d8	113	70-130		%Rec	5/8/2023	EPA 8015C
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	5/8/2023	EPA 8015C
Chloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Vinyl chloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromomethane	ND	40		µg/Kg	5/8/2023	EPA 8260
Trichlorofluoromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Dichloromethane	ND	40		µg/Kg	5/8/2023	EPA 8260
trans-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,2-Dichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chloroform	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,1-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Carbon tetrachloride	ND	20		µg/Kg	5/8/2023	EPA 8260
Benzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,2-Dichloropropane	ND	20		µg/Kg	5/8/2023	EPA 8260
Trichloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Bromodichloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
cis-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
trans-1,3-Dichloropropene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,1,2-Trichloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Toluene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Dibromochloromethane	ND	20		µg/Kg	5/8/2023	EPA 8260
Tetrachloroethene	ND	20		µg/Kg	5/8/2023	EPA 8260
Chlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Ethylbenzene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
m,p-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
Bromoform	ND	20		µg/Kg	5/8/2023	EPA 8260
o-Xylene	ND	5.0		µg/Kg	5/8/2023	EPA 8260
1,1,2,2-Tetrachloroethane	ND	20		µg/Kg	5/8/2023	EPA 8260
1,3-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,4-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
1,2-Dichlorobenzene	ND	20		µg/Kg	5/8/2023	EPA 8260
Surr: 1,2-Dichloroethane-d4	91	70-130		%Rec	5/8/2023	EPA 8260
Surr: Toluene-d8	113	70-130		%Rec	5/8/2023	EPA 8260
Surr: 4-Bromofluorobenzene	98	70-130		%Rec	5/8/2023	EPA 8260



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# QC SUMMARY REPORT

WO#: 2305057

10-May-23

**Client:** CLS Labs  
**Project:** 23D0781

**TestCode:** TPH/P\_S

Sample ID: <b>MB-18473</b>	SampType: <b>MBLK</b>	TestCode: <b>TPH/P_S</b>	Units: <b>mg/Kg</b>								
Client ID: <b>PBS</b>	Batch ID: <b>A18473B</b>	TestNo: <b>SW8015</b>									
Prep Date: <b>5/8/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496707</b>									
Analysis Date: <b>5/8/2023</b>											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	ND	1									
Surr: 1,2-Dichloroethane-d4	0.18		0.2		87.8	69.51	130.49				
Surr: Toluene-d8	0.2		0.2		98.3	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.21		0.2		104	69.51	130.49				

Sample ID: <b>GLCS-18473</b>	SampType: <b>GLCS</b>	TestCode: <b>TPH/P_S</b>	Units: <b>mg/Kg</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>A18473B</b>	TestNo: <b>SW8015</b>									
Prep Date: <b>5/8/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496685</b>									
Analysis Date: <b>5/8/2023</b>											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	16.6	2	16	0	104	64.64	146.49				
Surr: 1,2-Dichloroethane-d4	0.348		0.4		87.0	69.51	130.49				
Surr: Toluene-d8	0.411		0.4		103	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.424		0.4		106	69.51	130.49				

Sample ID: <b>2305057-03AGS</b>	SampType: <b>GS</b>	TestCode: <b>TPH/P_S</b>	Units: <b>mg/Kg</b>								
Client ID: <b>HA-1 (5FT)</b>	Batch ID: <b>A18473B</b>	TestNo: <b>SW8015</b>									
Prep Date: <b>5/9/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496899</b>									
Analysis Date: <b>5/9/2023</b>											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	17.9	2	16	1.77	101	57.6	179				
Surr: 1,2-Dichloroethane-d4	0.363		0.4		90.8	69.51	130.49				
Surr: Toluene-d8	0.409		0.4		102	69.51	130.49				
Surr: 4-Bromofluorobenzene	0.438		0.4		110	69.51	130.49				

Sample ID: <b>2305057-03AGSD</b>	SampType: <b>GSD</b>	TestCode: <b>TPH/P_S</b>	Units: <b>mg/Kg</b>								
Client ID: <b>HA-1 (5FT)</b>	Batch ID: <b>A18473B</b>	TestNo: <b>SW8015</b>									
Prep Date: <b>5/10/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496900</b>									
Analysis Date: <b>5/10/2023</b>											
Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
TPH-P (GRO)	18.2	2	16	1.77	103	57.6	179	17.9	1.8	19.4	
Surr: 1,2-Dichloroethane-d4	0.357		0.4		89.4	69.51	130.49	0.363	0	0	
Surr: Toluene-d8	0.403		0.4		101	69.51	130.49	0.409	0	0	
Surr: 4-Bromofluorobenzene	0.427		0.4		107	69.51	130.49	0.438	0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 R RPD outside accepted recovery limits





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# QC SUMMARY REPORT

WO#: 2305057

10-May-23

**Client:** CLS Labs

**Project:** 23D0781

**TestCode:** VOC\_S

Sample ID: <b>MB-18473</b>	SampType: <b>MBLK</b>	TestCode: <b>VOC_S</b>	Units: <b>µg/Kg</b>
Client ID: <b>PBS</b>	Batch ID: <b>A18473</b>	TestNo: <b>SW8260C</b>	
Prep Date: <b>5/8/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496677</b>	
Analysis Date: <b>5/8/2023</b>			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	ND	40									
Vinyl chloride	ND	20									
Chloroethane	ND	20									
Bromomethane	ND	40									
Trichlorofluoromethane	ND	20									
1,1-Dichloroethene	ND	20									
Dichloromethane	ND	40									
trans-1,2-Dichloroethene	ND	20									
1,1-Dichloroethane	ND	20									
cis-1,2-Dichloroethene	ND	20									
Chloroform	ND	20									
1,2-Dichloroethane	ND	20									
1,1,1-Trichloroethane	ND	20									
Carbon tetrachloride	ND	20									
Benzene	ND	5									
1,2-Dichloropropane	ND	20									
Trichloroethene	ND	20									
Bromodichloromethane	ND	20									
cis-1,3-Dichloropropene	ND	20									
trans-1,3-Dichloropropene	ND	20									
1,1,2-Trichloroethane	ND	20									
Toluene	ND	5									
Dibromochloromethane	ND	20									
Tetrachloroethene	ND	20									
Chlorobenzene	ND	20									
Ethylbenzene	ND	5									
m,p-Xylene	ND	5									
Bromoform	ND	20									
o-Xylene	ND	5									
1,1,2,2-Tetrachloroethane	ND	20									
1,3-Dichlorobenzene	ND	20									
1,4-Dichlorobenzene	ND	20									
1,2-Dichlorobenzene	ND	20									
Surr: 1,2-Dichloroethane-d4	180		200		87.8	69.51	130.49				
Surr: Toluene-d8	200		200		98.3	69.51	130.49				
Surr: 4-Bromofluorobenzene	210		200		104	69.51	130.49				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 R RPD outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 2305057

10-May-23

**Client:** CLS Labs

**Project:** 23D0781

**TestCode:** VOC\_S

Sample ID: <b>LCS-18473</b>	SampType: <b>LCS</b>	TestCode: <b>VOC_S</b>	Units: <b>µg/Kg</b>
Client ID: <b>LCSS</b>	Batch ID: <b>A18473</b>	TestNo: <b>SW8260C</b>	
Prep Date: <b>5/8/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496678</b>	
Analysis Date: <b>5/8/2023</b>			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	337	80	400	0	84.2	5.73	179				
Vinyl chloride	378	40	400	0	94.5	37.8	194				
Chloroethane	134	40	400	0	33.4	13.4	120.4				
Bromomethane	221	80	400	0	55.3	7.97	129				
Trichlorofluoromethane	116	40	400	0	28.9	2.11	120.4				
1,1-Dichloroethene	352	40	400	0	88.0	31.3	154				
Dichloromethane	353	80	400	0	88.2	45.9	180				
trans-1,2-Dichloroethene	413	40	400	0	103	52.1	140				
1,1-Dichloroethane	422	40	400	0	105	53.8	140				
cis-1,2-Dichloroethene	443	40	400	0	111	54.6	133				
Chloroform	412	40	400	0	103	53.3	126				
1,2-Dichloroethane	412	40	400	0	103	56.8	132				
1,1,1-Trichloroethane	429	40	400	0	107	44.1	133				
Carbon tetrachloride	408	40	400	0	102	20	133				
Benzene	431	10	400	0	108	59.1	135				
1,2-Dichloropropane	442	40	400	0	110	59	134				
Trichloroethene	443	40	400	0	111	54.8	136				
Bromodichloromethane	408	40	400	0	102	31.5	128				
cis-1,3-Dichloropropene	413	40	400	0	103	32.8	133				
trans-1,3-Dichloropropene	401	40	400	0	100	31.8	134				
1,1,2-Trichloroethane	453	40	400	0	113	61.2	141				
Toluene	428	10	400	0	107	45.6	133				
Dibromochloromethane	418	40	400	0	105	30	133				
Tetrachloroethene	451	40	400	0	113	36.1	139				
Chlorobenzene	423	40	400	0	106	56.4	134				
Ethylbenzene	451	10	400	0	113	50.1	135				
m,p-Xylene	459	10	400	0	115	54.1	137				
Bromoform	442	40	400	0	111	35.5	136				
o-Xylene	466	10	400	0	116	59.3	134				
1,1,2,2-Tetrachloroethane	454	40	400	0	113	36.7	184				
1,3-Dichlorobenzene	460	40	400	0	115	55.9	130				
1,4-Dichlorobenzene	444	40	400	0	111	52.6	132				
1,2-Dichlorobenzene	410	40	400	0	103	56.6	127				
Surr: 1,2-Dichloroethane-d4	398		400		99.4	69.51	130.4				
Surr: Toluene-d8	391		400		97.7	69.51	130.4				
Surr: 4-Bromofluorobenzene	417		400		104	69.51	130.4				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 R RPD outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 2305057

10-May-23

**Client:** CLS Labs

**Project:** 23D0781

**TestCode:** VOC\_S

Sample ID: <b>2305057-05AMS</b>	SampType: <b>MS</b>	TestCode: <b>VOC_S</b>	Units: <b>µg/Kg</b>
Client ID: <b>HA-3 (2.5FT)MS</b>	Batch ID: <b>A18473</b>	TestNo: <b>SW8260C</b>	
Prep Date: <b>5/8/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496679</b>	
Analysis Date: <b>5/8/2023</b>			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	331	80	400	0	82.7	11.3	167				
Vinyl chloride	383	40	400	0	95.6	21.4	183				
Chloroethane	129	40	400	0	32.3	2.79	110				
Bromomethane	235	80	400	0	58.9	2.99	142				
Trichlorofluoromethane	109	40	400	0	27.1	13.5	130				
1,1-Dichloroethene	346	40	400	0	86.4	12	159				
Dichloromethane	346	80	400	0	86.6	57.7	149				
trans-1,2-Dichloroethene	410	40	400	0	102	51	140				
1,1-Dichloroethane	417	40	400	0	104	58	132				
cis-1,2-Dichloroethene	439	40	400	0	110	57.8	133				
Chloroform	407	40	400	0	102	56.3	127				
1,2-Dichloroethane	407	40	400	0	102	57.5	126				
1,1,1-Trichloroethane	423	40	400	0	106	49.8	135				
Carbon tetrachloride	404	40	400	0	101	24.3	147				
Benzene	428	10	400	0	107	62.9	132				
1,2-Dichloropropane	439	40	400	0	110	63	130				
Trichloroethene	432	40	400	0	108	56.3	138				
Bromodichloromethane	408	40	400	0	102	37	135				
cis-1,3-Dichloropropene	405	40	400	0	101	37.3	144				
trans-1,3-Dichloropropene	391	40	400	0	97.8	36.5	148				
1,1,2-Trichloroethane	446	40	400	0	111	64	131				
Toluene	417	10	400	0	104	56.4	133				
Dibromochloromethane	406	40	400	0	101	37.4	139				
Tetrachloroethene	433	40	400	0	108	42.2	146				
Chlorobenzene	413	40	400	0	103	65.1	134				
Ethylbenzene	438	10	400	0	109	60.6	137				
m,p-Xylene	451	10	400	0	113	60.8	143				
Bromoform	437	40	400	0	109	47.1	127				
o-Xylene	453	10	400	0	113	63.6	145				
1,1,2,2-Tetrachloroethane	449	40	400	0	112	49.8	160				
1,3-Dichlorobenzene	438	40	400	0	109	62.1	138				
1,4-Dichlorobenzene	435	40	400	0	109	59.2	140				
1,2-Dichlorobenzene	396	40	400	0	99.0	63	129				
Surr: 1,2-Dichloroethane-d4	389		400		97.1	69.51	130.49				
Surr: Toluene-d8	384		400		96.1	69.51	130.49				
Surr: 4-Bromofluorobenzene	408		400		102	69.51	130.49				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 R RPD outside accepted recovery limits



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# QC SUMMARY REPORT

WO#: 2305057

10-May-23

**Client:** CLS Labs

**Project:** 23D0781

**TestCode:** VOC\_S

Sample ID: <b>2305057-05AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>VOC_S</b>	Units: <b>µg/Kg</b>
Client ID: <b>HA-3 (2.5FT)MSD</b>	Batch ID: <b>A18473</b>	TestNo: <b>SW8260C</b>	
Prep Date: <b>5/8/2023</b>	RunNo: <b>17068</b>	SeqNo: <b>496680</b>	
Analysis Date: <b>5/8/2023</b>			

Analyte	Result	PQL	SPK Value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloromethane	337	80	400	0	84.4	11.3	167	331	2	27.1	
Vinyl chloride	393	40	400	0	98.2	21.4	183	383	2.7	27.3	
Chloroethane	136	40	400	0	33.9	2.79	110	129	4.9	33.6	
Bromomethane	248	80	400	0	62.0	2.99	142	235	5.2	43.8	
Trichlorofluoromethane	112	40	400	0	27.9	13.5	130	109	2.9	39	
1,1-Dichloroethene	356	40	400	0	89.1	12	159	346	3.1	38.6	
Dichloromethane	350	80	400	0	87.6	57.7	149	346	1.2	29.3	
trans-1,2-Dichloroethene	420	40	400	0	105	51	140	410	2.5	34	
1,1-Dichloroethane	430	40	400	0	107	58	132	417	3.1	24.6	
cis-1,2-Dichloroethene	449	40	400	0	112	57.8	133	439	2.2	24.7	
Chloroform	416	40	400	0	104	56.3	127	407	2.2	23.5	
1,2-Dichloroethane	412	40	400	0	103	57.5	126	407	1	23.2	
1,1,1-Trichloroethane	432	40	400	0	108	49.8	135	423	2.2	27	
Carbon tetrachloride	416	40	400	0	104	24.3	147	404	2.9	29.4	
Benzene	434	10	400	0	109	62.9	132	428	1.3	24.1	
1,2-Dichloropropane	449	40	400	0	112	63	130	439	2.3	23.5	
Trichloroethene	447	40	400	0	112	56.3	138	432	3.3	24.2	
Bromodichloromethane	415	40	400	0	104	37	135	408	1.6	24.4	
cis-1,3-Dichloropropene	417	40	400	0	104	37.3	144	405	2.7	24.3	
trans-1,3-Dichloropropene	400	40	400	0	100	36.5	148	391	2.2	24.3	
1,1,2-Trichloroethane	450	40	400	0	112	64	131	446	0.83	22	
Toluene	429	10	400	0	107	56.4	133	417	3	24.1	
Dibromochloromethane	410	40	400	0	102	37.4	139	406	0.96	26	
Tetrachloroethene	452	40	400	0	113	42.2	146	433	4.1	26.5	
Chlorobenzene	423	40	400	0	106	65.1	134	413	2.5	23.1	
Ethylbenzene	449	10	400	0	112	60.6	137	438	2.6	24.4	
m,p-Xylene	456	10	400	0	114	60.8	143	451	1.2	23.7	
Bromoform	446	40	400	0	111	47.1	127	437	1.9	26.6	
o-Xylene	464	10	400	0	116	63.6	145	453	2.5	24.9	
1,1,1,2-Tetrachloroethane	451	40	400	0	113	49.8	160	449	0.39	27.9	
1,3-Dichlorobenzene	461	40	400	0	115	62.1	138	438	5.1	24.8	
1,4-Dichlorobenzene	446	40	400	0	111	59.2	140	435	2.4	23.8	
1,2-Dichlorobenzene	412	40	400	0	103	63	129	396	4.1	24.7	
Surr: 1,2-Dichloroethane-d4	392		400		98.0	69.51	130.49	389	0	0	
Surr: Toluene-d8	390		400		97.4	69.51	130.49	384	0	0	
Surr: 4-Bromofluorobenzene	418		400		104	69.51	130.49	408	0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 ND Not Detected at the Reporting Limit  
 R RPD outside accepted recovery limits



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## Definition Only

WO#: 2305057  
Date: 5/10/2023

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### Definitions:

ND = Not Detected

C = Reported concentration includes additional compounds uncharacteristic of common fuels and lubricants.

D = Reporting Limits were increased due to high concentrations of non-target analytes.

H = Reporting Limits were increased due to the hydrocarbons present in the sample.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

K = DRO concentration may include contributions from lighter-end hydrocarbons (e.g. gasoline) that elute in the DRO range.

L = DRO concentration may include contributions from heavier-end hydrocarbons (e.g. motor oil) that elute in the DRO range.

O = Reporting Limits were increased due to sample foaming.

V = Reporting Limits were increased due to high concentrations of target analytes.

X = Reporting Limits were increased due to sample matrix interferences.

Z = DRO concentration may include contributions from lighter-end (e.g. gasoline) and heavier-end (e.g. motor oil) hydrocarbons that elute in the DRO range.

S50 = The analysis of the sample required a dilution such that the surrogate concentration was diluted below the laboratory acceptance criteria. The laboratory control sample was acceptable.

S51 = Surrogate recovery could not be determined due to the presence of co-eluting hydrocarbons.

S52 = Surrogate recovery was above laboratory acceptance limits. Probable matrix effect.

S53 = Surrogate recovery was below laboratory acceptance limits. Probable matrix effect.

S54 = Surrogate recovery was below laboratory acceptance limits.

S55 = Surrogate recovery was above laboratory acceptance limits.

# WORKORDER SUMMARY

# CA

## Alpha Analytical, Inc.

255 Glendale Ave, #21 Sparks, Nevada 89431

TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder: CLS2305057

Report Due By: 11-May-23

EDD Required: NO

**Report Attention:** Mark Smith

**Client:**


CLS Labs  
3249 Fitzgerald Road  
Rancho Cordova, CA 95742

TEL: 9166387301  
FAX: 9166384510  
ProjectNo: 23D0781

Date Received: 04-May-23

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles			Requested Tests							Sample Remarks		
				Alpha	Sub	TAT	TPH/P_S	VOC_S								
CLS2305057-01	HA-1 (1FT)	SO	4/13/2023 1:30:00 PM	1	0	5	A - GAS-C	A - 8260_Cs								
CLS2305057-02	HA-1 (2-4FT) COMP	SO	4/13/2023 2:15:00 PM	1	0	5	A - GAS-C	A - 8260_Cs								
CLS2305057-03	HA-1 (5FT)	SO	4/13/2023 1:35:00 PM	1	0	5	A - GAS-C	A - 8260_Cs								
CLS2305057-04	HA-2 (5FT)	SO	4/13/2023 2:10:00 PM	1	0	5	A - GAS-C	A - 8260_Cs								
CLS2305057-05	HA-3 (2.5FT)	SO	4/13/2023 2:30:00 PM	1	0	5	A - GAS-C	A - 8260_Cs								
CLS2305057-06	HA-4 (3FT)	SO	4/13/2023 3:30:00 PM	1	0	5	A - GAS-C	A - 8260_Cs								

Comments: Samples received outside hold time.

Signature	Print Name	Company	Date/Time
Logged in by: <u></u>	<u>K Murray</u>	Alpha Analytical, Inc.	5/4/23 1530

NOTE: Samples are discarded 60 days after sample receipt unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

SUBCONTRACT ORDER

23D0781

CLS2305057



SENDING LABORATORY:

CLS Labs  
3249 Fitzgerald Rd.  
Rancho Cordova, CA 95742  
Phone: 916-638-7301  
Fax: 916-638-4510  
Project Manager: Mark Smith  
~~Project: Orland Soil Assessment~~

RECEIVING LABORATORY:

Alpha Analytical, Inc.-Sparks  
255 Glendale Ave.; Suite 21  
Sparks, NV 89431  
Phone :1-800-283-1183  
Fax: 7753550406

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
TPH-Gasoline by EPA 5 8260B sub 8015		05/10/23 12:00	04/27/23 13:30	23D0781-01	04/13/23 13:30	04/14/23 12:30	Soil

**Client sample ID: HA-1 (1FT)**  
**Laboratory sample ID: 23D0781-01**  
**Please use client sample ID on all reports**

**Sampler:**

*Containers Supplied:*

4 oz. jar (B)

8260B All SUB	5	05/10/23 12:00	04/27/23 13:30	23D0781-01	04/13/23 13:30	04/14/23 12:30	Soil
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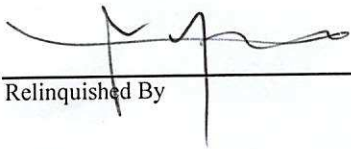
**Client sample ID: HA-1 (1FT)**  
**Laboratory sample ID: 23D0781-01**  
**Please use client sample ID on all reports**

**Sampler:**

*Containers Supplied:*

4 oz. jar (B)



	5/3/23	1000 h	E. Friedman	050323 1000
Relinquished By	Date	Received By	Date	
		Kummay	5/4/23 1539	
Relinquished By	Date	Received By	Date	
CLS				
Shipped By	Airbill Number			

SUBCONTRACT ORDER

23D0781

CLS2305057

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
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TPH-Gasoline by EPA 5		05/10/23 12:00	04/27/23 14:15	23D0781-02	04/13/23 14:15	04/14/23 12:30	Soil
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8260B-sub 8015

Client sample ID: HA-1 (2-4FT) COMP

~~Sampler~~

Laboratory sample ID: 23D0781-02

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

02

8260B All SUB	5	05/10/23 12:00	04/27/23 14:15	23D0781-02	04/13/23 14:15	04/14/23 12:30	Soil
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Client sample ID: HA-1 (2-4FT) COMP

~~Sampler~~

Laboratory sample ID: 23D0781-02

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

TPH-Gasoline by EPA 5		05/10/23 12:00	04/27/23 13:35	23D0781-03	04/13/23 13:35	04/14/23 12:30	Soil
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8260B-sub 8015

Client sample ID: HA-1 (5FT)

~~Sampler~~

Laboratory sample ID: 23D0781-03

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

03

8260B All SUB	5	05/10/23 12:00	04/27/23 13:35	23D0781-03	04/13/23 13:35	04/14/23 12:30	Soil
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Client sample ID: HA-1 (5FT)

~~Sampler~~

Laboratory sample ID: 23D0781-03

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

5/3/23

Relinquished By

Date

1000 h

Received By

E. F. M. Viano

Date

050323 1000

Relinquished By

Date

Received By

Date

K. Murray

5/4/23 1539

Shipped By

CLS

Airbill Number



SUBCONTRACT ORDER

23D0781

CLS2305057

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
TPH-Gasoline by EPA 5 8260B sub 8015		05/10/23 12:00	04/27/23 14:10	23D0781-04	04/13/23 14:10	04/14/23 12:30	Soil

Client sample ID: HA-2 (5FT)

~~Sampler:~~

Laboratory sample ID: 23D0781-04

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

04

8260B All SUB	5	05/10/23 12:00	04/27/23 14:10	23D0781-04	04/13/23 14:10	04/14/23 12:30	Soil
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Client sample ID: HA-2 (5FT)

~~Sampler:~~

Laboratory sample ID: 23D0781-04

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

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TPH-Gasoline by EPA 5 8260B sub 8015		05/10/23 12:00	04/27/23 14:30	23D0781-05	04/13/23 14:30	04/14/23 12:30	Soil
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Client sample ID: HA-3 (2.5FT)

~~Sampler:~~

Laboratory sample ID: 23D0781-05

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

05

8260B All SUB	5	05/10/23 12:00	04/27/23 14:30	23D0781-05	04/13/23 14:30	04/14/23 12:30	Soil
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Client sample ID: HA-3 (2.5FT)

~~Sampler:~~

Laboratory sample ID: 23D0781-05

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

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5/13/23

1000 L

E. Fuciano 050323 1000

Relinquished By

Date

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Date

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Date

Received By

Date

Kulman 5/14/23 1539

Shipped By  
CLS

Airbill Number

SUBCONTRACT ORDER

23D0781

CLS2305657

Analysis	TAT	Due	Expires	Laboratory ID	Sample Date	Received	Matrix
TPH-Gasoline by EPA 5 8260B sub 8015		05/10/23 12:00	04/27/23 15:30	23D0781-06	04/13/23 15:30	04/14/23 12:30	Soil

Client sample ID: HA-4 (3FT)

Sampler:

Laboratory sample ID: 23D0781-06

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)

06

8260B All SUB	5	05/10/23 12:00	04/27/23 15:30	23D0781-06	04/13/23 15:30	04/14/23 12:30	Soil
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Client sample ID: HA-4 (3FT)

Sampler:

Laboratory sample ID: 23D0781-06

Please use client sample ID on all reports

Containers Supplied:

4 oz. jar (B)



*[Handwritten signature]*

5/3/23

1000 L

E. Finciano

050323 1000

Relinquished By

Date

Received By

Date

Relinquished By

Date

Received By

Date

*[Handwritten signature]*

5/4/23 1539

Shipped By

CLS

Airbill Number



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

# FACT SHEET



## Reporting Petroleum (Oil) Releases

December 2018

### REPORTING PETROLEUM (OIL) RELEASES:

Proper and timely notification is imperative to allow government agencies and downstream users to take prompt action to protect public health and safety, the environment, and property. The purpose of this Fact Sheet is to help clarify the reporting requirements for oil related releases in California.

If the release of oil in any way **causes harm or threatens to cause harm** to public health and safety, the environment, or property you must make immediate notification to the California Governor's Office of Emergency Services (Cal OES) Warning Center [Health and Safety Code (HSC) §25510].

State Law requires that **ANY** discharge or threatened discharge of oil into **STATE WATERS** must be reported to Cal OES [California Government Code (GC) §8670.25.5; California Water Code (WC) §13272, *California State Oil Spill Contingency Plan*]. Upon such notifications, Cal OES will then immediately notify the Department of Fish and Wildlife/Office of Spill Prevention and Response (OSPR), Regional Water Quality Control Board (RWQCB), State Lands Commission (SLC), the California Coastal Commission (CCC), Division of Oil, Gas, and Geothermal Resources (DOGGR) and/or the appropriate Local Administering Agency. [GC §8589.7] These agencies are responsible for determining appropriate public and environmental safety measures and may have additional reporting requirements.

If the release of oil is on **land** and is not discharged or threatening to discharge into State Waters; and (a) does not cause harm or threaten to cause harm to the public health and safety, the environment, or property; AND (b) is under 42 gallons, then no notification to the Cal OES/Warning Center is required.

**Report Petroleum (Oil) Releases to:**  
**California Governor's Office of Emergency Services**  
**Warning Center**

**(800) 852-7550 or (916) 845-8911**

### PENALTIES FOR NOT REPORTING:

Any person who fails to provide the notice required by WC §13272 is guilty of a misdemeanor and shall be punished by a fine of not less than \$500 or more than \$5,000 per day for each day of failure to notify, or imprisonment of not more than one year, or both, per WC §13272(c).

### ADDITIONAL INFORMATION:

Further information on reporting requirements can be located on the Cal OES Website at [www.caloes.ca.gov](http://www.caloes.ca.gov) in the *California Hazardous Material Spill/Release Notification Guidance* booklet and the *California State Oil Spill Contingency Plan*. Please call the Cal OES, Hazardous Materials Section for additional question at **(916) 845-8788**.

# GLENN COUNTY Planning & Community Development Services Agency

225 North Tehama Street  
Willows, CA 95988  
530.934.6540  
[www.countyofglenn.net](http://www.countyofglenn.net)



Mardy Thomas, Director

## REQUEST FOR REVIEW

### COUNTY DEPARTMENTS/DISTRICTS

- Glenn County Agricultural Commissioner
- Glenn County Air Pollution Control District/CUPA
- Glenn County Assessor
- Glenn County Building Inspector
- Glenn County Engineering & Surveying Division
- Glenn County Environmental Health Department
- Glenn County Sheriff's Department
- Glenn County Board of Supervisors
- Glenn County Resource Conservation District
- Glenn County Planning Commission
- Glenn LAFCO

### FEDERAL AGENCIES

- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- U.S. Department of Agriculture
- U.S. Bureau of Reclamation - Willows

### OTHER

- City of Orland
- Sacramento River National Wildlife Refuge
- Orland Unit Water Users' Association
- Community Services District:
- Pacific Gas and Electric Company (PG&E)
- Fire Protection District: Orland Rural
- Glenn County Resource Conservation District
- School District: Orland

### STATE AGENCIES

- Central Valley Flood Protection Board
- Central Valley Regional Water Quality Control Board (RWQCB)
- State Water Resources Control Board – Division of Drinking Water
- Department of Alcoholic Beverage Control (ABC)
- Department of Conservation, Division of Land Resource Protection
- Department of Conservation, Office of Mine Reclamation (OMR)
- Department of Conservation, Division of Oil, Gas, and Geothermal Resources
- Department of Fish and Wildlife
- Department of Food and Agriculture
- Department of Forestry and Fire Protection (Cal Fire)
- Department of Housing and Community Development (HCD)
- Department of Public Health
- Department of Toxic Substances Control (DTSC)
- Department of Transportation (Caltrans)
- Department of Water Resources (DWR)
- Office of the State Fire Marshall

DATE: December 21, 2022

PROJECT: Tentative Parcel Map 2022-002, Jouhal

PLANNER: Boniface Chifamba, Assistant Planner  
[bchifamba@countyofglenn.net](mailto:bchifamba@countyofglenn.net)

APPLICANT: Amardev Singh Jouhal  
P.O. Box 181188, Coronado, CA 92178  
Phone Number: (619) 522 - 4593

LANDOWNERS: Amardev Singh Jouhal  
P.O. Box 181188, Coronado, CA 92178  
Phone Number: (619) 522 - 4593

ENGINEER: Hamilton Engineering Inc.  
P.O. Box 978, Orland, CA 95963  
Phone Number: (530) 865-8551

**PROJECT: Tentative Parcel Map 2022-002, Jouhal**

The project consists of a land division to divide one existing parcel (18.38± acres) into the following:

Parcel One:	3.8± acres
Parcel Two:	3.82± acres
Parcel Three:	3.00± acres
Parcel Four:	3.00± acres
Designated Remainder:	4.73± acres

LOCATION: The project is located on the east side of County Road 99W at 3698 County Road 99W, north of County Road 27, west of County Road M, and south of County Road 25; in the unincorporated area of Glenn County, California.

EXISTING APN: 024-090-013

ZONING: SC - Service Commercial

GENERAL PLAN: SC - Service Commercial

FLOOD ZONE: Flood Zone "X" according to Flood Insurance Rate Map (FIRM) No. 06021C0400D, dated August 5, 2010 issued by the Federal Emergency Management Agency (FEMA). Flood Zone "X" (unshaded) consists of areas of minimal risk outside the 1-percent and 0.2-percent annual chance floodplains. No base flood elevations or base flood depths are shown within this zone.

The Glenn County Planning Division is requesting comments on this proposal for determination of completeness, potential constraints, and/or proposed conditions of approval. If comments are not received by **Thursday, January 12, 2023**, it is assumed that there are no specific comments to be included in the analysis of the project. Comments submitted by e-mail are acceptable. Thank you for considering this matter.

**AGENCY COMMENTS:**

Please consider the following:

1. Is the information in the application complete enough to analyze impacts and conclude review?
  
2. Comments may include project-specific code requirements unique to the project. Cite code section and document (i.e., General Plan, Subdivision Map Act, etc.).
  
3. What are the recommended Conditions of Approval for this project and justification for each Condition? When should each Condition be accomplished (i.e., prior to any construction at the site, prior to recording the parcel map, filing the Final Map, or issuance of a Certificate of Occupancy, etc.)?

TPM \_\_\_\_\_

GLENN COUNTY  
PLANNING AND PUBLIC WORKS AGENCY  
777 North Colusa Street  
WILLOWS, CA 95988  
(530) 934-6540  
FAX (530) 934-6533  
[www.countyofglenn.net](http://www.countyofglenn.net)

**APPLICATION FOR TENTATIVE PARCEL MAP**

NOTE: FAILURE TO ANSWER APPLICABLE QUESTIONS AND REQUIRED ATTACHMENTS COULD DELAY THE PROCESSING OF YOUR APPLICATION.

1. Applicant(s):

Name: AMARDEV SINGH JOUHAL

Address: P.O. BOX 181188, CORONADO, CA 92178

Phone: (Business) \_\_\_\_\_ (Home) (619) 522-4593

Fax: \_\_\_\_\_ E-mail: ANDYJOUHAL@GMAIL.COM

2. Property Owner(s):

Name: SAME AS #1 above

Address: \_\_\_\_\_

Phone: (Business) \_\_\_\_\_ (Home) \_\_\_\_\_

Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

3. Engineer/Surveyor:

Name: HAMILTON ENGINEERING INC.

Mailing Address: P.O. BOX 978, ORLAND, CA 95963

Phone: (Business) (530) 865-8551 (Home) \_\_\_\_\_

Fax: (530) 267-8347 E-mail: HEI@HAMILTONENGINEERING.NET

4. Name and address of property owner's duly authorized agent (if applicable) who is to be furnished with notice of hearing (Section 65091 California Government Code).
- Name: HAMILTON ENGINEERING INC.
- Mailing Address: P.O. BOX 978, ORLAND, CA 95963
5. Is There a Deed of Trust on the Property? Yes \_\_\_\_\_ No
- (If Yes, list the person(s):
- Name: N/A
- Mailing Address: N/A
6. Request or Proposal: \_\_\_\_\_
7. Address and Location of Project: 3698 County Rd 99W, Orland, CA 95963
8. Current Assessor's Parcel Number(s): 024-090-013-000
9. Existing Zoning: Service Commercial
10. Existing Use of Property: VACANT Land and one Dwelling (19.67 Ac)
11. Proposed Use of Property: TBD, but likely a business(s) compatible with Service Commercial
12. Number of Existing Residential Dwelling Units on each Resultant Parcel: TBD, but no more than one per resultant parcel.
13. Number of Parcels to be Created: 4 Plus 1 Residual
14. Size for Each Parcel: 3.2 AC, 3.2 AC, 4.1 AC, 4.1 AC and 5.07 AC (Residual)
15. Request for Waiver: Yes \_\_\_\_\_ No One 3/2 Dwelling  
(If "Yes", a written request must be submitted when the map is filed).
16. Provide any additional information that may be helpful in evaluating this request: 19.67 Acres is too large for a single Business.  
Four Smaller parcels, plus one Residual would optimize the size of each parcel and allow various businesses to locate on this property



**DECLARATION UNDER PENALTY OF PERJURY**

(Must be signed by Applicant(s) and Property Owner(s))  
(Additional sheets may be necessary)

The Applicant(s) and/or Property Owner(s), by signing this application, shall be deemed to have agreed to defend, indemnify, release and hold harmless the County, its agents, officers, attorneys, employees, boards and commissions from any claim, action or proceeding brought against the foregoing individuals or entities, the purpose of which is to attack, set aside, void or null the approval of this development entitlement or approval or certification of the environmental document which accompanies it, or to obtain damages relating to such action(s). This indemnification agreement shall include, but not be limited to, damages, costs expenses, attorney fees or expert witness fees that may be asserted by any person or entity, including the applicant, arising out of or in connection with the approval of the entitlement whether or not there is concurrent passive or active negligence on the part of the County.

Applicant(s):

Signed: A. S. JOURNAL

Print: AMARDEV SINGH JOUHAL

Date: 11 / 23 / 2022

Address: P.O. BOX 181188, CORONADO, CA 92178

I am (We are) the owner(s) of property involved in this application and I (We) have completed this application and all other documents required.

I am (We are) the owner(s) of the property involved in this application and I (We) acknowledge the preparation and submission of this application.

I (We) declare under penalty of perjury that the foregoing is true and correct.

Property Owner(s):

Signed: A. S. JOURNAL

Print: AMARDEV SINGH JOUHAL

Date: 11 / 23 / 2022

Address: P.O. BOX 181188, CORONADO, CA 92178

Case \_\_\_\_\_

GLENN COUNTY  
PLANNING AND PUBLIC WORKS AGENCY  
777 North Colusa Street  
WILLOWS, CA 95988  
(530) 934-6540  
FAX (530) 934-6533  
[www.countyofglenn.net](http://www.countyofglenn.net)

**ENVIRONMENTAL INFORMATION FORM**

To be completed by applicant or engineer  
Use extra sheets if necessary

This list is intended to meet the requirements of State of California Government Code Section 65940.

I. GENERAL INFORMATION:

1. Name: Amardev Singh Jouhal  
Address, City, State, Zip: P.O. Box 181188, Coronado, CA 92718  
Telephone: 619-522-4593 Fax: \_\_\_\_\_  
E-mail: AndyJouhal@gmail.com
2. Name: \_\_\_\_\_  
Address, City, State, Zip: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_
3. Address and Location of Project: 3698 County Road 99W
4. Current Assessor's Parcel Number(s): 024-09-013
5. Existing Zoning: Service Commercial
6. Existing Use: Designated Remainder: residential. Proposed P1-P4: Vacant
7. Proposed Use of Site (project for which this form is prepared): To be determined at a later time
8. Indicate the type of permit(s) application(s) to which this form pertains: Tentative Parcel Map

9. If the project involves a variance, conditional use permit, or rezoning application, state this and indicate clearly why the application is required: N/A

10. List and describe any other related permit(s) and other public approvals required for this project, including those required by city, regional, state, and federal agencies: none known

11. Have any special studies been prepared for the project site that are related to the proposed project including, but not limited to traffic, biology, wetlands delineation, archaeology, etc? No

II. ENVIRONMENTAL SETTING:

1. Describe in detail the project site as it exists before the project, including information on topography, soil stability, plants and animals (wetlands, if any), different crops, irrigation systems, streams, creeks, rivers, canals, water table depth, and any cultural historical or scenic aspects. Describe any existing structures on the site, and the use of the structures. Attach photographs of the site. Snapshots or Polaroid photos will be accepted.

Bare land south of the existing residential structures on the designated remainder

2. Describe the surrounding properties, including information on plants, animals, and any cultural, historical or scenic aspects. Indicate the type of land use (residential, commercial, agricultural, etc.), intensity of land use (one-family, apartment houses, shops, department stores, dairy, row crops, orchards, etc.) Attach photographs of the vicinity. Snapshots or Polaroid photos will be accepted.

North: Residential

East: Railroad and Orchard

South: Orland Artois Water District office

West: Highway Commercial businesses

3. Describe noise characteristics of the surrounding area (include significant noise sources): Road noise to the West and South and train crossing noise to the East

III. SPECIFIC ITEMS OF IMPACT:

1. Drainage:

Describe how increased runoff will be handled (on-site and off-site): No change  
in runoff anticipated

Will the project change any drainage patterns? (Please explain): No construction  
planned for this submittal

Will the project require the installation or replacement of storm drains or  
channels? If yes, indicate length, size, and capacity: no

Are there any gullies or areas of soil erosion? (Please explain): no

Do you plan to grade, disturb, or in any way change swales, drainages, ditches,  
gullies, ponds, low lying areas, seeps, springs, streams, creeks, river banks, or  
other area on the site that carries or holds water for any amount of time during the  
year? no

If yes, you may be required to obtain authorization from other agencies such as  
the Army Corps of Engineers or California Department of Fish and Game.

2. Water Supply:

Indicate and describe source of water supply (domestic well, irrigation district,  
private water company): well

Will the project require the installation or replacement of new water service  
mains? no

3. Liquid Waste Disposal:

Will liquid waste disposal be provided by private on-site septic system or public  
sewer?: on-site

If private on-site septic system, describe the proposed system (leach field or  
seepage pit) and include a statement and tests explaining percolation rates, soil  
types, and suitability for any onsite sewage disposal  
systems:

Will any special or unique sewage wastes be generated by this project other than normally associated with resident or employee restrooms? Industrial, chemical, manufacturing, animal wastes? (Please describe) no

Should waste be generated by the proposed project other than that normally associated with a single family residence, Waste Discharge Requirements may be required by the Regional Water Quality Control Board.

4. Solid Waste Collection:

How will solid waste be collected? Individual disposal, private carrier, city? Waste Management

5. Source of Energy:

What is the source of energy (electricity, natural gas, propane)?: Electricity

If electricity, do any overhead electrical facilities require relocation? Is so, please describe: no

If natural gas, do existing gas lines have to be increased in size? If yes, please describe: no

Do existing gas lines require relocation? If yes, please describe: no

6. Fire Protection:

Indicate number and size of existing and/or proposed fire hydrants and distance from proposed buildings: no building planned at this time

Indicate number and capacity of existing and/or proposed water storage facilities and distance from proposed buildings: no water storage facilities planned at this time

IV. FOR ZONE CHANGE, ZONE VARIANCE, AND SPECIAL USE PERMIT APPLICATION:

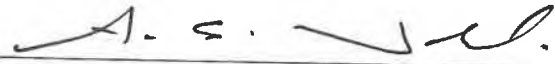
1. Number and sizes of existing and proposed structures: N/A  
\_\_\_\_\_  
\_\_\_\_\_  
Square footage (structures) \_\_\_\_\_ S.F.; \_\_\_\_\_ S.F.  
(New) (Existing)
2. Percentage of lot coverage: \_\_\_\_\_
3. Amount of off-street parking provided: \_\_\_\_\_
4. Will the project be constructed in phases? If so, please describe each phase briefly: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. If residential, include the number of units, schedule of unit sizes, range of sale prices or rents, and type of household size expected: \_\_\_\_\_  
\_\_\_\_\_
6. If commercial, indicate type, estimated employment per shift, days and hours of operation, estimated number of daily customers/visitors on site at peak time, and loading facilities: \_\_\_\_\_  
\_\_\_\_\_
7. If industrial, indicate type, estimated employment per shift, and loading facilities: \_\_\_\_\_  
\_\_\_\_\_
8. If institutional, indicate the major function, estimated employment per shift, estimated occupancy, loading facilities, and community benefits to be derived from the project: \_\_\_\_\_  
\_\_\_\_\_
9. List types and quantities of any hazardous or toxic materials, chemicals, pesticides, flammable liquids, or other similar product used as a part of the operation and storage container sizes: \_\_\_\_\_  
\_\_\_\_\_

Submit Material Safety Data Sheets (MSDS) for any proposed hazardous materials. If hazardous materials are proposed, it is recommended that the applicant contact the Air Pollution Control District/CUPA for permitting requirements.

10. Describe any earthwork (grading) to be done and dust control methods to be used during construction: \_\_\_\_\_  
\_\_\_\_\_
11. Describe any potential noise or vibration sources associated with the project (i.e. compressor, machine noise, heavy equipment). \_\_\_\_\_  
\_\_\_\_\_
12. Describe source, type, and amount of air pollutant emissions (smoke, odors, steam, gases, water vapor, dust, chemicals) from the project. Describe what methods would be used to reduce emissions: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

V. CERTIFICATION:

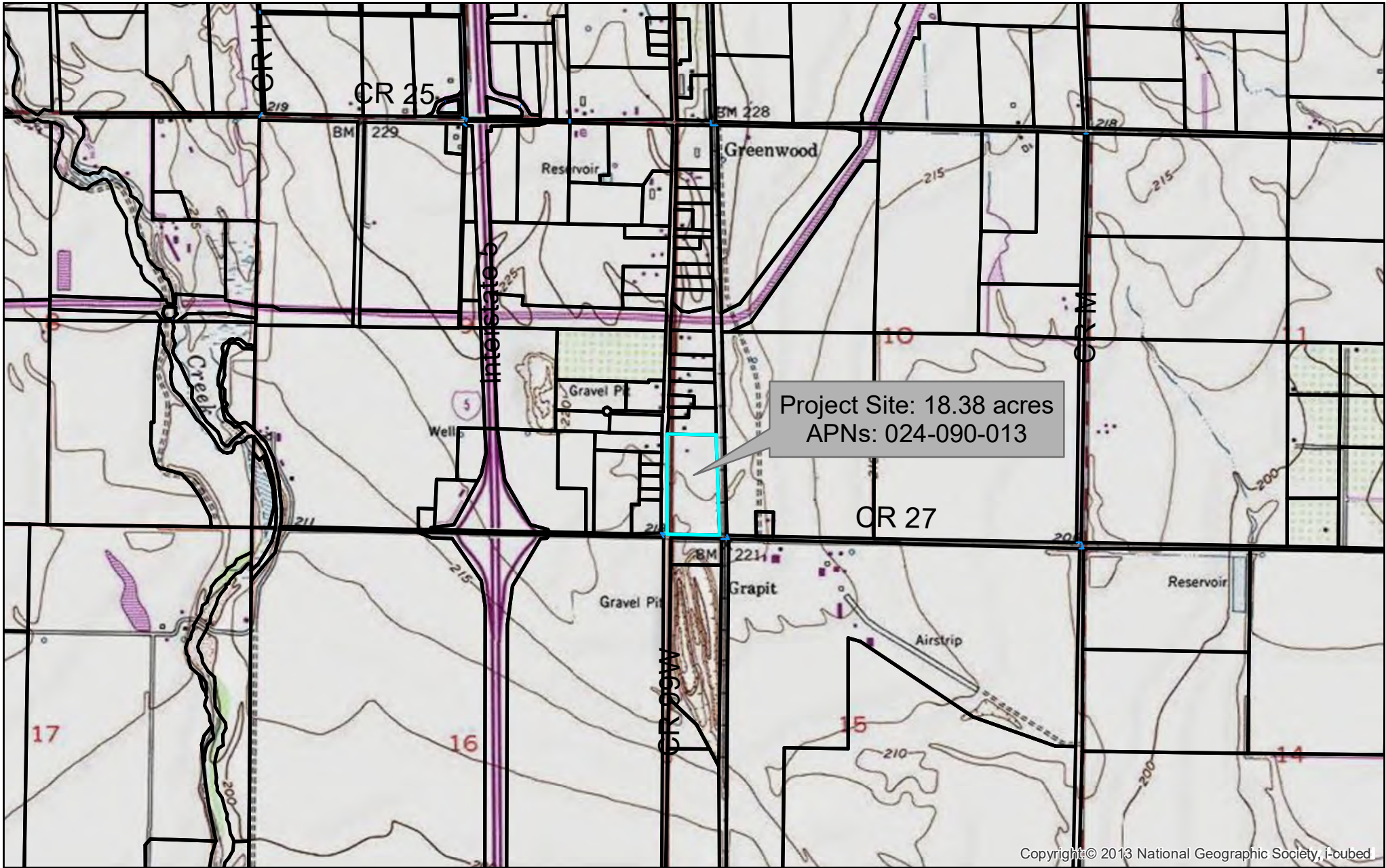
I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this initial evaluation to the best of my ability, and that the facts, statements and information presented are true and correct to the best of my knowledge and belief.

Date: 19 Dec 2022 Signature: 

For: \_\_\_\_\_

According to Section 65943 for the California Government Code, your application will be reviewed within 30 days and you or your agent will receive written notice regarding the completeness of your application. Any reviewing agency may, in the course of processing the application, request the applicant to clarify, amplify, correct, or otherwise supplement the information required for the application.

According to Section 65944 (C), additional information may be requested in order to comply with Division 13 of the State of California Public Resources Code.



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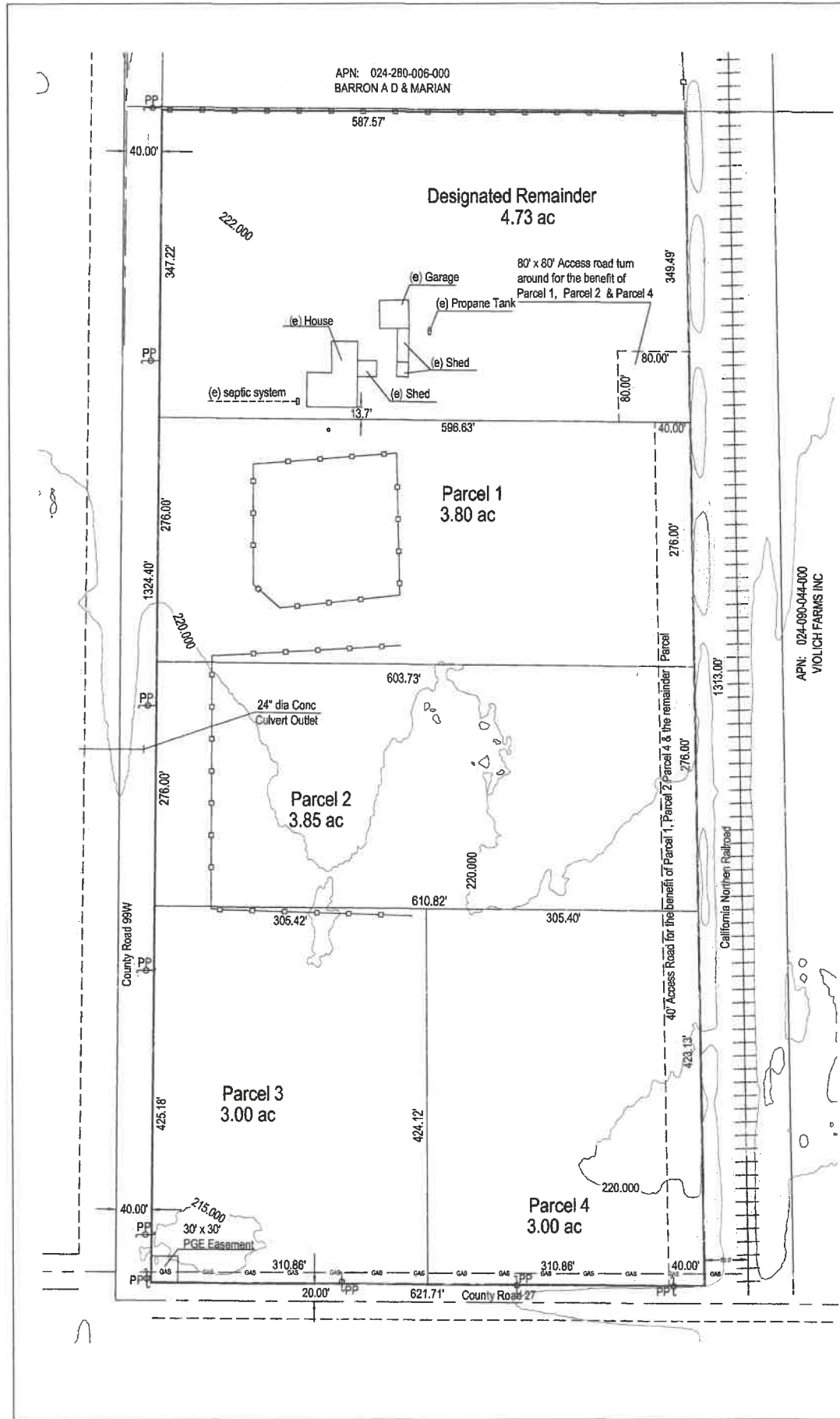
# TPM2022-002, Jouhal

USGS 7.5 Minute Quadrangle Map: Orland, CA  
Section 10, T21N, R3W, M.D.B. & M.



Glenn County Planning & Community  
Development Services Agency

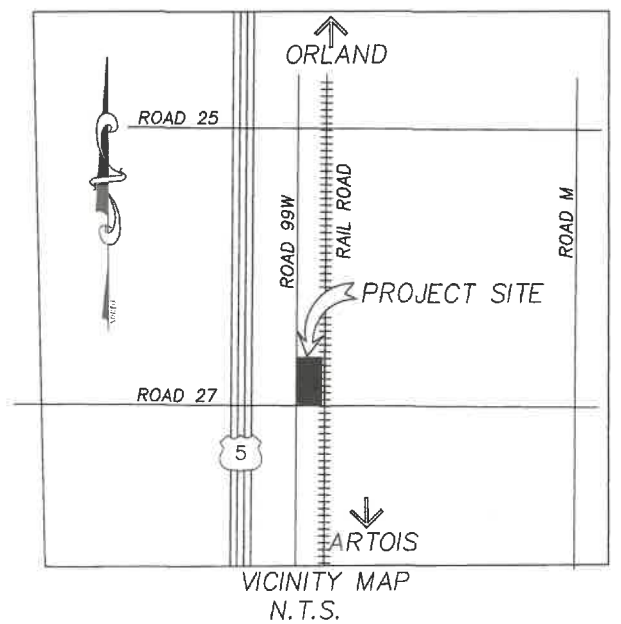
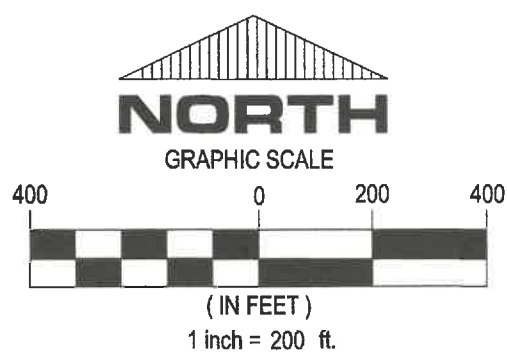




**OWNERS CONSENT**  
 WE THE UNDERSIGNED OWNERS HEREBY  
 CONSENT TO THE PREPARATION OF THIS  
 TENTATIVE PARCEL MAP

AMARDEV JOUHAL

**OWNERS INFORMATION**  
 APN: 024-090-013  
 AMARDEV JOUHAL  
 PO BOX 181188  
 CORONADO CA 92178  
 (619) 522-4593



- ELECTRICAL  
PG&E
- SEWER  
ON-SITE SEPTIC
- WATER  
INDIVIDUAL ON-SITE WELLS
- PROPOSED USE:  
REMAINDER LOT: SINGLE FAMILY RESIDENTIAL  
PARCELS 1,2,3,4: SERVICE COMMERCIAL

- EXISTING USE: SINGLE RESIDENCE
- CURRENT ZONING: SC
- GENERAL PLAN DESIGNATION: SERVICE COMMERCIAL

**TENTATIVE PARCEL MAP**

THE SOUTH 1330 FEET OF ALL THAT PART OF SOUTHWEST QUARTER OF SECTION 10, TOWNSHIP 21 NORTH, RANGE 3 WEST, WHICH LIES WEST OF THE RAILROAD RIGHT OF WAY AND EAST OF THE STATE HIGHWAY LEADING FROM ORLAND TO GERMANTOWN, SAVING AND EXCEPTING THEREFROM A STRIP OF LAND OFF THE SOUTH AND THEREOF, 20 FEET IN WIDTH USED FOR A PUBLIC HIGHWAY.

**Surveyor's Statement**

This Tentative Parcel Map correctly represents a survey made by me or under my direction in conformance with the requirements of the Professional Land Surveyors' Act at the request of AMARDEV JOUHAL in November 2022.

*Brien G. Hamilton*  
 Brien G. Hamilton, L.S. 8484  
 Hamilton Engineering Incorporated



**PROPOSED PARCELS**

PARCEL 1	3.80 ACRES
PARCEL 2	3.85 ACRES
PARCEL 3	3.00 ACRES
PARCEL 4	3.00 ACRES
REMAINDER	4.73 ACRES

TOTAL 18.38 ACRES

PREPARED BY  
 HAMILTON ENGINEERING INC.  
 P.O. BOX 978  
 ORLAND, CA 95863, 530 865-8551

BRIEN G. HAMILTON  
 R.C.E. 67133  
 EXPIRES: 09-30-24

NOVEMBER 2022 SHEET 1 OF 1



August 23, 2023

Andy Popper  
County of Glenn  
225 North Tehama Street  
Willows, CA 95988

Ref: Gas and Electric Transmission and Distribution

Dear Andy Popper,

Thank you for submitting the TPM2022-002 plans for our review. PG&E will review the submitted plans in relationship to any existing Gas and Electric facilities within the project area. If the proposed project is adjacent/or within PG&E owned property and/or easements, we will be working with you to ensure compatible uses and activities near our facilities.

Attached you will find information and requirements as it relates to Gas facilities (Attachment 1) and Electric facilities (Attachment 2). Please review these in detail, as it is critical to ensure your safety and to protect PG&E's facilities and its existing rights.

Below is additional information for your review:

1. This plan review process does not replace the application process for PG&E gas or electric service your project may require. For these requests, please continue to work with PG&E Service Planning: [https://www.pge.com/en\\_US/business/services/building-and-renovation/overview/overview.page](https://www.pge.com/en_US/business/services/building-and-renovation/overview/overview.page).
2. If the project being submitted is part of a larger project, please include the entire scope of your project, and not just a portion of it. PG&E's facilities are to be incorporated within any CEQA document. PG&E needs to verify that the CEQA document will identify any required future PG&E services.
3. An engineering deposit may be required to review plans for a project depending on the size, scope, and location of the project and as it relates to any rearrangement or new installation of PG&E facilities.

Any proposed uses within the PG&E fee strip and/or easement, may include a California Public Utility Commission (CPUC) Section 851 filing. This requires the CPUC to render approval for a conveyance of rights for specific uses on PG&E's fee strip or easement. PG&E will advise if the necessity to incorporate a CPUC Section 851 filing is required.

This letter does not constitute PG&E's consent to use any portion of its easement for any purpose not previously conveyed. PG&E will provide a project specific response as required.

Sincerely,

Plan Review Team  
Land Management

## Attachment 1 – Gas Facilities

There could be gas transmission pipelines in this area which would be considered critical facilities for PG&E and a high priority subsurface installation under California law. Care must be taken to ensure safety and accessibility. So, please ensure that if PG&E approves work near gas transmission pipelines it is done in adherence with the below stipulations. Additionally, the following link provides additional information regarding legal requirements under California excavation laws: <https://www.usanorth811.org/images/pdfs/CA-LAW-2018.pdf>

1. **Standby Inspection:** A PG&E Gas Transmission Standby Inspector must be present during any demolition or construction activity that comes within 10 feet of the gas pipeline. This includes all grading, trenching, substructure depth verifications (potholes), asphalt or concrete demolition/removal, removal of trees, signs, light poles, etc. This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48 hours is required. Ensure the USA markings and notifications are maintained throughout the duration of your work.
2. **Access:** At any time, PG&E may need to access, excavate, and perform work on the gas pipeline. Any construction equipment, materials, or spoils may need to be removed upon notice. Any temporary construction fencing installed within PG&E's easement would also need to be capable of being removed at any time upon notice. Any plans to cut temporary slopes exceeding a 1:4 grade within 10 feet of a gas transmission pipeline need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.
3. **Wheel Loads:** To prevent damage to the buried gas pipeline, there are weight limits that must be enforced whenever any equipment gets within 10 feet of traversing the pipe.

Ensure a list of the axle weights of all equipment being used is available for PG&E's Standby Inspector. To confirm the depth of cover, the pipeline may need to be potholed by hand in a few areas.

Due to the complex variability of tracked equipment, vibratory compaction equipment, and cranes, PG&E must evaluate those items on a case-by-case basis prior to use over the gas pipeline (provide a list of any proposed equipment of this type noting model numbers and specific attachments).

No equipment may be set up over the gas pipeline while operating. Ensure crane outriggers are at least 10 feet from the centerline of the gas pipeline. Transport trucks must not be parked over the gas pipeline while being loaded or unloaded.

4. **Grading:** PG&E requires a minimum of 36 inches of cover over gas pipelines (or existing grade if less) and a maximum of 7 feet of cover at all locations. The graded surface cannot exceed a cross slope of 1:4.
5. **Excavating:** Any digging within 2 feet of a gas pipeline must be dug by hand. Note that while the minimum clearance is only 24 inches, any excavation work within 24 inches of the edge of a pipeline must be done with hand tools. So to avoid having to dig a trench entirely with hand tools, the edge of the trench must be over 24 inches away. (Doing the math for a 24 inch

wide trench being dug along a 36 inch pipeline, the centerline of the trench would need to be at least 54 inches [ $24/2 + 24 + 36/2 = 54$ ] away, or be entirely dug by hand.)

Water jetting to assist vacuum excavating must be limited to 1000 psig and directed at a 40° angle to the pipe. All pile driving must be kept a minimum of 3 feet away.

Any plans to expose and support a PG&E gas transmission pipeline across an open excavation need to be approved by PG&E Pipeline Services in writing PRIOR to performing the work.

6. Boring/Trenchless Installations: PG&E Pipeline Services must review and approve all plans to bore across or parallel to (within 10 feet) a gas transmission pipeline. There are stringent criteria to pothole the gas transmission facility at regular intervals for all parallel bore installations.

For bore paths that cross gas transmission pipelines perpendicularly, the pipeline must be potholed a minimum of 2 feet in the horizontal direction of the bore path and a minimum of 24 inches in the vertical direction from the bottom of the pipe with minimum clearances measured from the edge of the pipe in both directions. Standby personnel must watch the locator trace (and every ream pass) the path of the bore as it approaches the pipeline and visually monitor the pothole (with the exposed transmission pipe) as the bore traverses the pipeline to ensure adequate clearance with the pipeline. The pothole width must account for the inaccuracy of the locating equipment.

7. Substructures: All utility crossings of a gas pipeline should be made as close to perpendicular as feasible ( $90^\circ \pm 15^\circ$ ). All utility lines crossing the gas pipeline must have a minimum of 24 inches of separation from the gas pipeline. Parallel utilities, pole bases, water line 'kicker blocks', storm drain inlets, water meters, valves, back pressure devices or other utility substructures are not allowed in the PG&E gas pipeline easement.

If previously retired PG&E facilities are in conflict with proposed substructures, PG&E must verify they are safe prior to removal. This includes verification testing of the contents of the facilities, as well as environmental testing of the coating and internal surfaces. Timelines for PG&E completion of this verification will vary depending on the type and location of facilities in conflict.

8. Structures: No structures are to be built within the PG&E gas pipeline easement. This includes buildings, retaining walls, fences, decks, patios, carports, septic tanks, storage sheds, tanks, loading ramps, or any structure that could limit PG&E's ability to access its facilities.

9. Fencing: Permanent fencing is not allowed within PG&E easements except for perpendicular crossings which must include a 16 foot wide gate for vehicular access. Gates will be secured with PG&E corporation locks.

10. Landscaping: Landscaping must be designed to allow PG&E to access the pipeline for maintenance and not interfere with pipeline coatings or other cathodic protection systems. No trees, shrubs, brush, vines, and other vegetation may be planted within the easement area. Only those plants, ground covers, grasses, flowers, and low-growing plants that grow unsupported to a maximum of four feet (4') in height at maturity may be planted within the easement area.

11. Cathodic Protection: PG&E pipelines are protected from corrosion with an “Impressed Current” cathodic protection system. Any proposed facilities, such as metal conduit, pipes, service lines, ground rods, anodes, wires, etc. that might affect the pipeline cathodic protection system must be reviewed and approved by PG&E Corrosion Engineering.

12. Pipeline Marker Signs: PG&E needs to maintain pipeline marker signs for gas transmission pipelines in order to ensure public awareness of the presence of the pipelines. With prior written approval from PG&E Pipeline Services, an existing PG&E pipeline marker sign that is in direct conflict with proposed developments may be temporarily relocated to accommodate construction work. The pipeline marker must be moved back once construction is complete.

13. PG&E is also the provider of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E’s facilities must be reviewed and approved by PG&E to ensure that no impact occurs which may endanger the safe operation of its facilities.

## Attachment 2 – Electric Facilities

It is PG&E's policy to permit certain uses on a case by case basis within its electric transmission fee strip(s) and/or easement(s) provided such uses and manner in which they are exercised, will not interfere with PG&E's rights or endanger its facilities. Some examples/restrictions are as follows:

1. Buildings and Other Structures: No buildings or other structures including the foot print and eave of any buildings, swimming pools, wells or similar structures will be permitted within fee strip(s) and/or easement(s) areas. PG&E's transmission easement shall be designated on subdivision/parcel maps as **"RESTRICTED USE AREA – NO BUILDING."**
2. Grading: Cuts, trenches or excavations may not be made within 25 feet of our towers. Developers must submit grading plans and site development plans (including geotechnical reports if applicable), signed and dated, for PG&E's review. PG&E engineers must review grade changes in the vicinity of our towers. No fills will be allowed which would impair ground-to-conductor clearances. Towers shall not be left on mounds without adequate road access to base of tower or structure.
3. Fences: Walls, fences, and other structures must be installed at locations that do not affect the safe operation of PG&E's facilities. Heavy equipment access to our facilities must be maintained at all times. Metal fences are to be grounded to PG&E specifications. No wall, fence or other like structure is to be installed within 10 feet of tower footings and unrestricted access must be maintained from a tower structure to the nearest street. Walls, fences and other structures proposed along or within the fee strip(s) and/or easement(s) will require PG&E review; submit plans to PG&E Centralized Review Team for review and comment.
4. Landscaping: Vegetation may be allowed; subject to review of plans. On overhead electric transmission fee strip(s) and/or easement(s), trees and shrubs are limited to those varieties that do not exceed 10 feet in height at maturity. PG&E must have access to its facilities at all times, including access by heavy equipment. No planting is to occur within the footprint of the tower legs. Greenbelts are encouraged.
5. Reservoirs, Sumps, Drainage Basins, and Ponds: Prohibited within PG&E's fee strip(s) and/or easement(s) for electric transmission lines.
6. Automobile Parking: Short term parking of movable passenger vehicles and light trucks (pickups, vans, etc.) is allowed. The lighting within these parking areas will need to be reviewed by PG&E; approval will be on a case by case basis. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications. Blocked-up vehicles are not allowed. Carports, canopies, or awnings are not allowed.
7. Storage of Flammable, Explosive or Corrosive Materials: There shall be no storage of fuel or combustibles and no fueling of vehicles within PG&E's easement. No trash bins or incinerators are allowed.

8. Streets and Roads: Access to facilities must be maintained at all times. Street lights may be allowed in the fee strip(s) and/or easement(s) but in all cases must be reviewed by PG&E for proper clearance. Roads and utilities should cross the transmission easement as nearly at right angles as possible. Road intersections will not be allowed within the transmission easement.

9. Pipelines: Pipelines may be allowed provided crossings are held to a minimum and to be as nearly perpendicular as possible. Pipelines within 25 feet of PG&E structures require review by PG&E. Sprinklers systems may be allowed; subject to review. Leach fields and septic tanks are not allowed. Construction plans must be submitted to PG&E for review and approval prior to the commencement of any construction.

10. Signs: Signs are not allowed except in rare cases subject to individual review by PG&E.

11. Recreation Areas: Playgrounds, parks, tennis courts, basketball courts, barbecue and light trucks (pickups, vans, etc.) may be allowed; subject to review of plans. Heavy equipment access to PG&E facilities is to be maintained at all times. Parking is to clear PG&E structures by at least 10 feet. Protection of PG&E facilities from vehicular traffic is to be provided at developer's expense AND to PG&E specifications.

12. Construction Activity: Since construction activity will take place near PG&E's overhead electric lines, please be advised it is the contractor's responsibility to be aware of, and observe the minimum clearances for both workers and equipment operating near high voltage electric lines set out in the High-Voltage Electrical Safety Orders of the California Division of Industrial Safety (<https://www.dir.ca.gov/Title8/sb5g2.html>), as well as any other safety regulations. Contractors shall comply with California Public Utilities Commission General Order 95 ([http://www.cpuc.ca.gov/gos/GO95/go\\_95\\_startup\\_page.html](http://www.cpuc.ca.gov/gos/GO95/go_95_startup_page.html)) and all other safety rules. No construction may occur within 25 feet of PG&E's towers. All excavation activities may only commence after 811 protocols has been followed.

Contractor shall ensure the protection of PG&E's towers and poles from vehicular damage by (installing protective barriers) Plans for protection barriers must be approved by PG&E prior to construction.

13. PG&E is also the owner of distribution facilities throughout many of the areas within the state of California. Therefore, any plans that impact PG&E's facilities must be reviewed and approved by PG&E to ensure that no impact occurs that may endanger the safe and reliable operation of its facilities.



September 7, 2023

Andy Popper  
County of Glenn  
225 North Tehama St  
Willows, CA 95988

Re: TPM2022-002  
Jouhal

Dear Andy Popper,

Thank you for providing PG&E the opportunity to review the proposed plans for TPM2022-002 dated 8/22/2023. Our review indicates the proposed improvements do not appear to directly interfere with existing PG&E facilities or impact our easement rights.

Please note this is our preliminary review and PG&E reserves the right for additional future review as needed. This letter shall not in any way alter, modify, or terminate any provision of any existing easement rights. If there are subsequent modifications made to the design, we ask that you resubmit the plans to the email address listed below.

If the project requires PG&E gas or electrical service in the future, please continue to work with PG&E's Service Planning department: <https://www.pge.com/cco/>.

As a reminder, before any digging or excavation occurs, please contact Underground Service Alert (USA) by dialing 811 a minimum of 2 working days prior to commencing any work. This free and independent service will ensure that all existing underground utilities are identified and marked on-site.

If you have any questions regarding our response, please contact the PG&E Plan Review Team at [pgeplanreview@pge.com](mailto:pgeplanreview@pge.com).

Sincerely,

PG&E Plan Review Team  
Land Management





# PUBLIC WORKS AGENCY

P.O. Box 1070 / 777 N. Colusa Street  
Willows, CA 95988

Airports  
Engineering  
Flood Control  
Roads & Bridges  
Solid Waste  
Surveyor

**Donald Rust, Director**

September 7, 2023

Glenn County Planning and Community Development Services  
225 N. Tehama Street  
Willows, CA 95988

Attn: Boniface Chifamba, Assistant Planner

Subject: Tentative Parcel Map 2022-002 – Conditions of Approval (amended)  
Landowners: Amardev Singh Jouhal

## Comments

None

## Conditions

That prior to any work being done in the County Right of Way an Encroachment Permit shall be required. (15.120 GCC)

That the right-of-way for County Roads “99W” and “27” shall be a minimum thirty (30) foot wide strip of land adjoining the centerline within the limits of the Parcel Map. The applicant shall submit acceptable evidence of existing dedication or shall provide dedication on the Parcel Map or by separate instrument to be recorded prior to the recording of the Parcel Map. The recording information for the dedication shall be shown on the face of the Parcel Map. (15.640.040 GCC)

That Right of Way lines at the intersection of County Roads “99W” and “27” shall be rounded with a curve having a radius of 20 feet. (15.640.110 GCC)

That prior to the issuance of a Certificate of Occupancy on any parcel, the improvement of the East half of County Road “99W” and/or the North half of County Road “27” along the frontage of the Parcel requesting the Certificate of Occupancy shall meet County Standard RS-4 and/or RS-8. (15.640.040 GCC)

That the applicant shall provide a minimum sixty (60) foot wide private easement and shall be described as a “Non-exclusive private road easement for ingress and egress and public utility purposes and to be reserved in deeds for the benefit of Parcels One, Two, Three and Four.”

That the right-of-way lines at the intersection of the private road easement and County Road “27” shall be rounded with a curve having a radius of 20 feet.

The following note shall be shown on the face of the Parcel Map (15.640.080 GCC):



## PUBLIC WORKS AGENCY

P.O. Box 1070 / 777 N. Colusa Street  
Willows, CA 95988

Airports  
Engineering  
Flood Control  
Roads & Bridges  
Solid Waste  
Surveyor

**Donald Rust, Director**

---

“Parcels 1, 2, 3 and 4 are served by a private road. Maintenance of said road is not the responsibility of Glenn County. Owners of said parcel are hereby advised that they and/or others are solely responsible for maintenance of this road.”

That the applicant shall improve the private road easement to Private Road Standards as shown on Standard Drawing No. RS-10, RS-11 and S-19 for private road intersection prior to the issuance of a Certificate of Occupancy for Parcels One, Two, Three or Four. This condition shall be noted on the Parcel Map under Informational Items.

That all areas which are subject to inundation or storm water overflows according to the Flood Insurance Rate Maps shall be shown and/or noted on the Parcel Map. (66434.2 SMA)

A handwritten signature in black ink that reads "Michael Biggs".

Michael Biggs  
Engineering Technician III  
Glenn County Public Works



October 3, 2023

Glenn County  
225 North Tehama Street  
Willows, CA 95988

RE: Tentative Parcel Split

Dear: Glenn County

Thank you for your press release dated September 14, 2023, regarding the Tentative Parcel Split at County Road 99W in Glenn County. We appreciate your effort to contact us and wish to respond.

The Cultural Resources Department has reviewed the regulations and concluded that it affects the Aboriginal territories of the Paskenta Band of Nomlaki Indians. Therefore, we have a cultural interest and authority in the proposed regulatory action and would like to continue to receive updates on this regulation.

Please direct all correspondences to the following address:

Tribal Historic Preservation Officer  
Paskenta Band of Nomlaki Indians  
Office: 530-670-1750  
Email: [THPO@paskenta.org](mailto:THPO@paskenta.org)

Thank you for providing us with the opportunity to comment.

Sincerely,

Laverne Bill  
Tribal Historic Preservation Officer

