



ENVIRONMENTAL ASSESSMENT
TACHI YOKUT
RV PARK AND ORCHARD PROJECT

AUGUST 2023

LEAD AGENCY:

U.S. Department of the Interior,
Bureau of Indian Affairs
Pacific Region Office
2800 Cottage Way # W2820
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SECTION 1.0

INTRODUCTION

This Environmental Assessment (EA) has been prepared for the U.S. Bureau of Indian Affairs (BIA) in support of an application from the Tachi Yokut Tribe (Tribe) for the acquisition of 436.91 acres of land (Property) into federal trust (Proposed Action) and the subsequent development of an RV park, a recreational stocked fishing pond, an orchard, and associated infrastructure on the Property (Proposed Project). The Proposed Project would also include restoration of a portion of Mussel Slough that crosses the southeastern portion of the Property. The BIA is the federal agency charged with reviewing and approving tribal applications to take land into federal trust status.

This document has been completed in accordance with the requirements set forth in the National Environmental Policy Act (NEPA) of 1969 (42 U.S.C. §4321 et seq.); the January 2021 Council on Environmental Quality (CEQ) Guidelines for Implementing NEPA; and the BIA NEPA handbook (59 IAM 3-H). This document provides a detailed description and analysis of potential environmental consequences associated with development of the Proposed Project. This document also includes a discussion of alternatives, impact avoidance, and mitigation measures. Consistent with the requirements of NEPA, the BIA will review and analyze the environmental consequences associated with the Proposed Action, and will either determine that a Finding of No Significant Impact (FONSI) is appropriate, request additional analysis, or request that an Environmental Impact Statement (EIS) be prepared. The following terms are used throughout this EA:

Property: Refers to the 436.91-acre proposed fee-to-trust land, which consists of 10 contiguous parcels (**Table 1**).

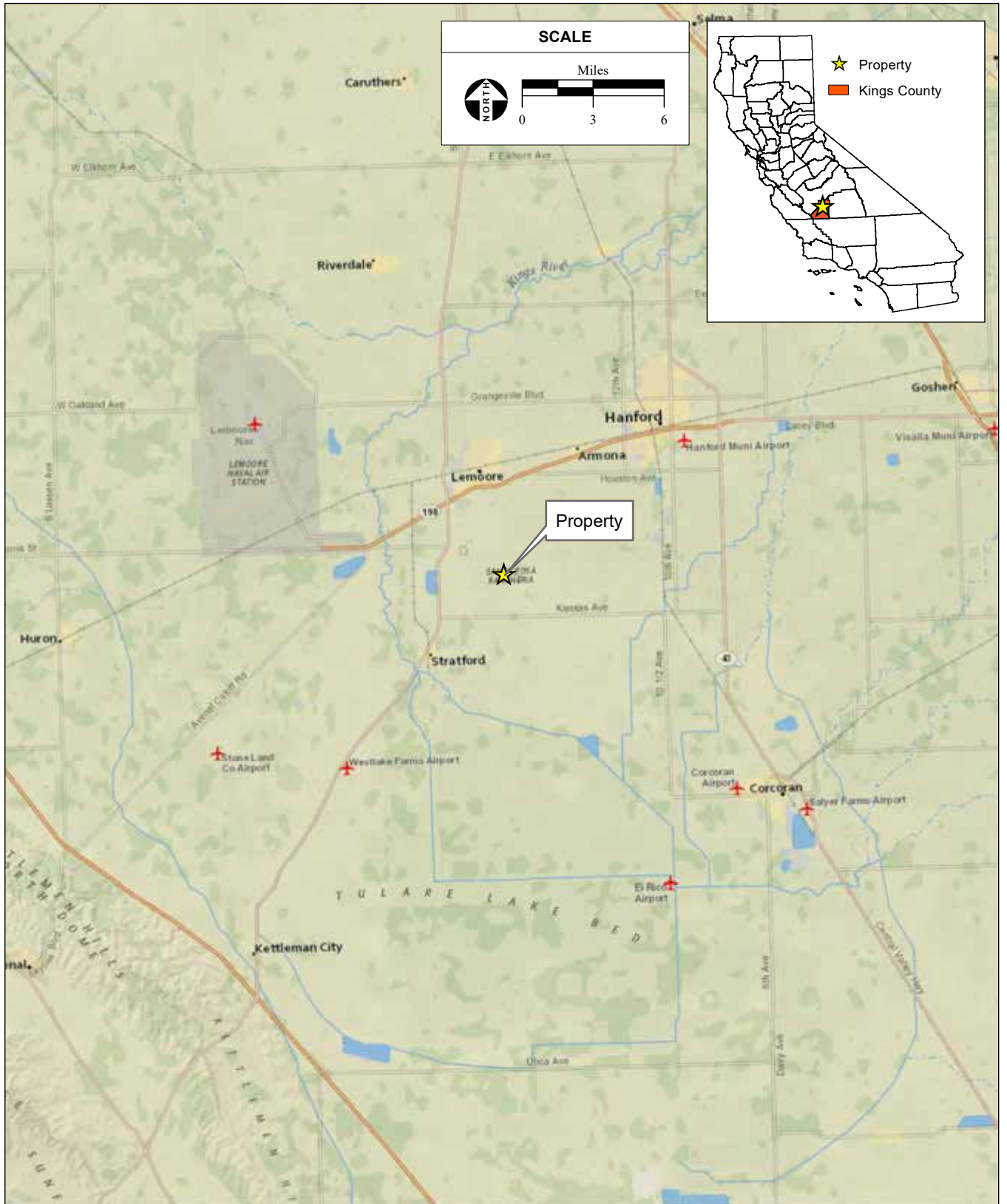
Proposed Action: Refers to the fee-to-trust action.

Proposed Project: Refers to the subsequent development of an RV park, a recreational stocked fishing pond, an orchard, and associated infrastructure on the Property after acquisition into federal trust. The Proposed Project would also include restoration of a portion of Mussel Slough that crosses the southeastern portion of the Property.

Project Site: Refers to the approximately 146.6-acre development footprint or area of impact.

1.1 LOCATION AND SETTING

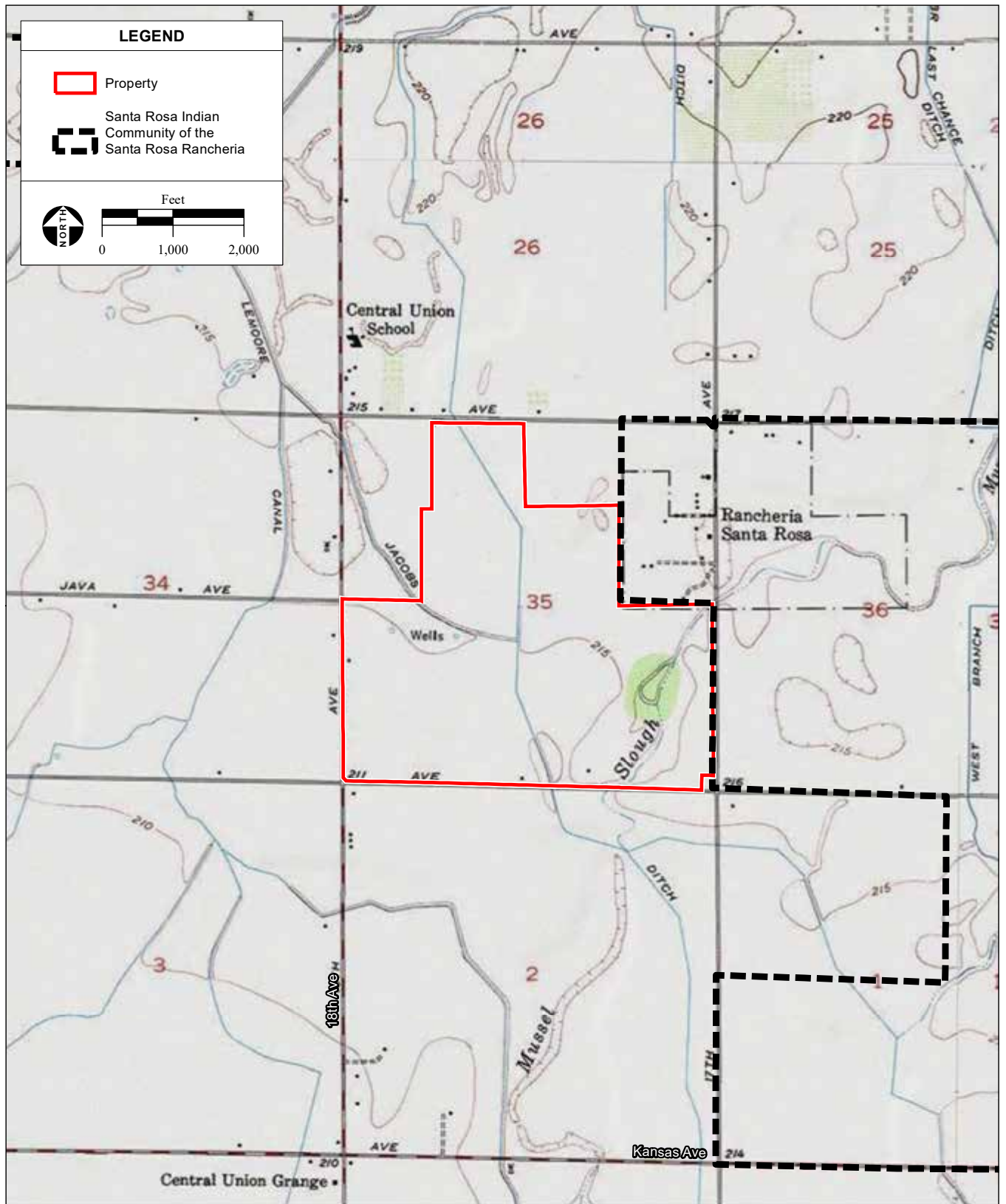
The Property is located in an unincorporated portion of Kings County, California, approximately 1.7 miles southeast of the City of Lemoore (**Figures 1** and **2**). An aerial photograph is shown as **Figure 3**. The Property consists of ten contiguous parcels adjacent to the western boundary of the Santa Rosa Rancheria (Rancheria) (**Table 1**). The Rancheria consists of approximately 1,635 acres of land held in trust by the Tribe and contains the Tachi Palace Casino and Resort (Casino), Tribal residential housing, and Tribal offices. Land surrounding the Property consists of agricultural uses and the adjacent Casino and tribal residences on the Rancheria. A portion of Mussel Slough runs through the southeastern portion of the Property. Terrain on the Property is level with elevations ranging from 195 to 200 feet above mean sea level (amsl).



SOURCE: NatGeo 2022; Montrose Environmental, 4/7/2022

Tachi Yokut RV Park and Orchard Project Environmental Assessment / 220503 ■

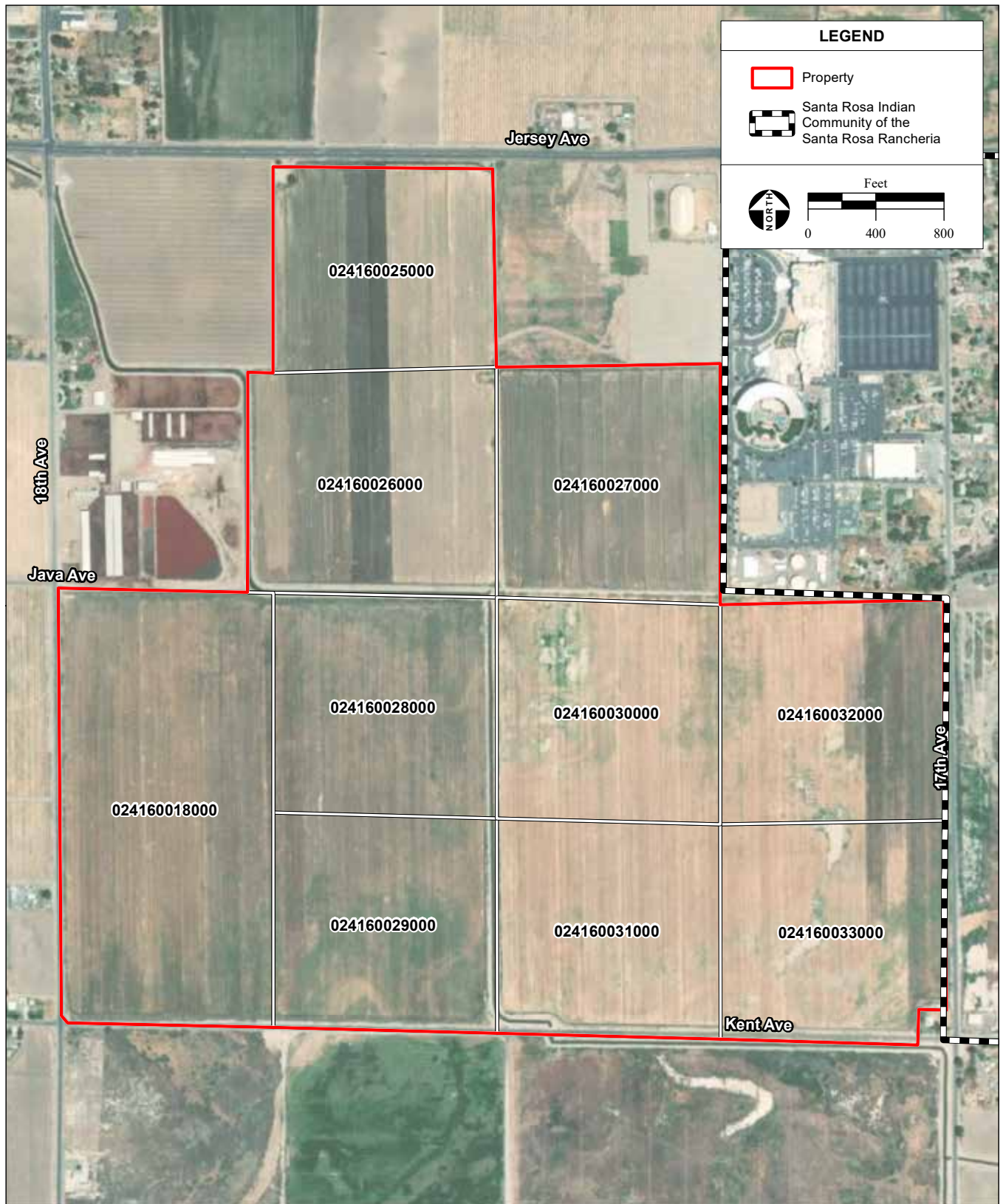
Figure 1
Regional Location



SOURCE: "Stratford, CA" USGS 7.5 Minute Topographic Quadrangle, T19S R20E, Section 35, Mt. Diablo Baseline & Meridian; Montrose Environmental, 4/8/2022

Tachi Yokut RV Park and Orchard Project Environmental Assessment / 220503 ■

Figure 2
Site and Vicinity



SOURCE: Maxar aerial photograph, 6/25/2021; Montrose Environmental, 4/7/2022 Tachi Yokut RV Park and Orchard Project Environmental Assessment / 220503 ■

Figure 3
Aerial Photograph

Table 1. Property Parcels

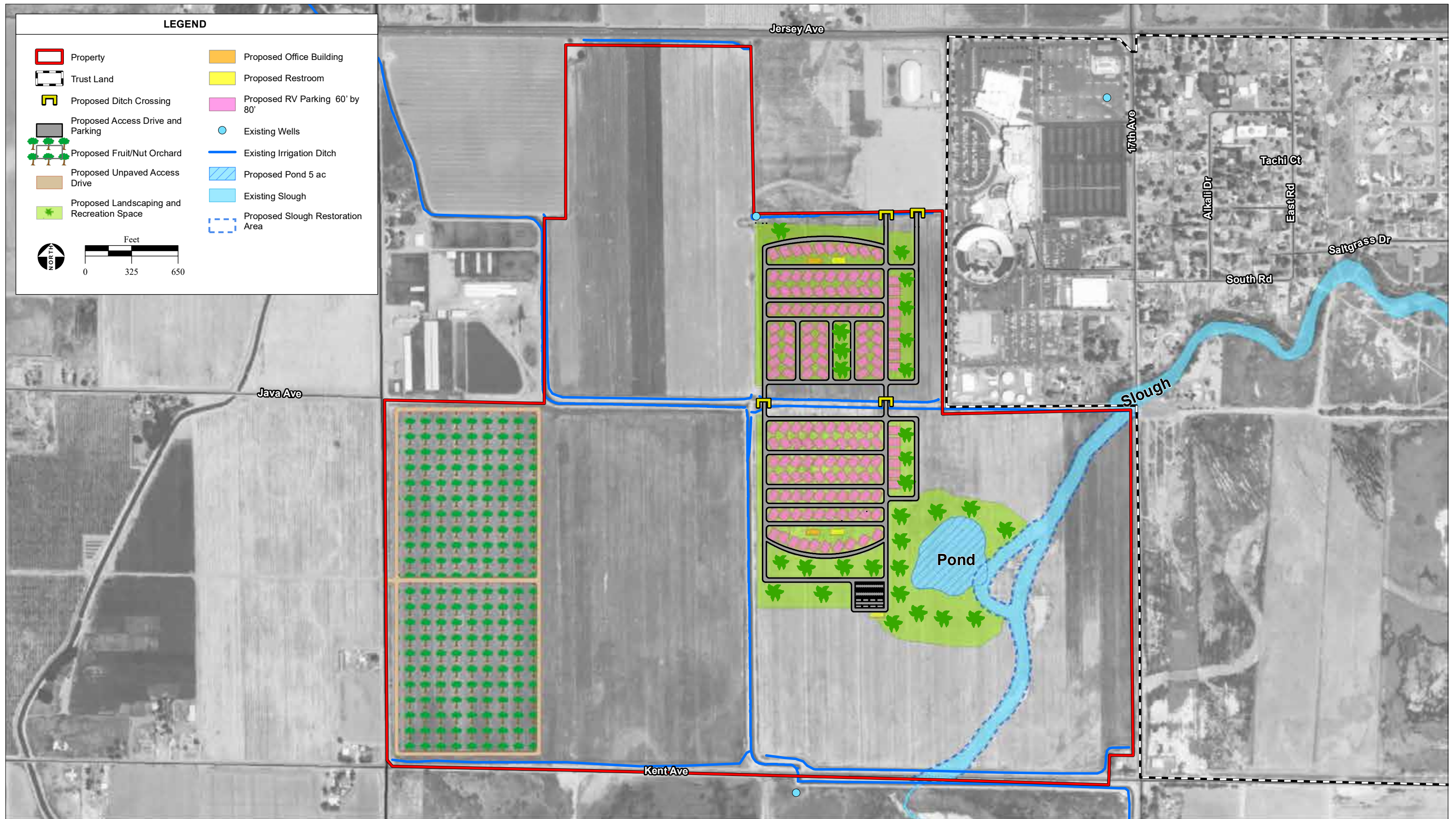
| Assessor Parcel Number | Acreage |
|------------------------|---------------|
| 024-160-025 | 36.80 |
| 024-160-026 | 43.68 |
| 024-160-027 | 39.85 |
| 024-160-028 | 40.00 |
| 024-160-029 | 40.00 |
| 024-160-030 | 40.00 |
| 024-160-031 | 40.00 |
| 024-160-032 | 40.00 |
| 024-160-033 | 39.00 |
| 024-160-018 | 77.58 |
| Total | 436.91 |

The Property parcels are zoned under Kings County Code as Agriculture and have a land use designation of AG20 (General Agriculture) in the Kings County General Plan. Additionally, parcels 024-160-18, -26, -28, -29, and -31 are part of the Dairy Development Overlay Zone (DDOZ). The DDOZ zone encompasses nine areas totaling approximately 394 square miles. This zone identifies areas where dairies currently exist, or where conditions are suitable for new dairies to be established. Historically, the Property was used for row crop production, specifically for corn and forage crops such as alfalfa. Currently, the land is in active agricultural use. Drainage ditches that collect agricultural runoff are present on and in the vicinity of the Property. A site plan depicting the Project Site boundary is included as **Figure 4**.

1.2 PURPOSE AND NEED FOR THE PROPOSED ACTION

The Proposed Action is the acquisition of the Property into federal trust for the Tribe pursuant to the Secretary's authority under the Indian Reorganization Act, 25 USC § 5108. The purpose of the Proposed Action is to facilitate tribal self-sufficiency, self-determination, and economic development. The Proposed Action would facilitate tribal self-sufficiency and self-determination by generating Tribal educational and employment opportunities as well as a diversified agricultural land use. The Proposed Action would also facilitate tribal economic development by diversifying the Tribe's revenue stream with an additional income source that differs from the Tribe's existing economic ventures. Diversification in economic development would provide the Tribe additional economic stability, thus increasing Tribal self-sufficiency and self-determination. This would satisfy the Department's land acquisition policy as articulated in the Department's trust land regulations at 25 C.F.R. Part 151. The need for the Department to act on the Tribe's application is established by the Department's regulations at 25 C.F.R. §§ 151.10(h) and 151.12. Additionally, the RV Park described in **Section 2.1** would be open to the public to provide additional accommodation options and recreational activities to the region.

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1.3 BACKGROUND

The 1,635-acre Rancheria was established in 1934 in Kings County, California, approximately two miles southeast of the City of Lemoore and approximately 7 miles southwest of the City of Hanford. The original Reservation consisted of 40 acres of desolate farmland. Forty people below poverty-level lived on the original Reservation. Introduction of the Indian Gaming Act allowed the Tribe to further goals of self-sufficiency through development of the Tachi Palace Hotel & Casino (Casino), which first opened in 1983. Tribal enterprises now include the Casino, adjacent Yokut Gas Station, and the Sequoia Inn located in Hanford. The Tribe currently owns the Property in fee. Historically, the Property was used for row crop production and is currently actively used for agricultural purposes.

The Proposed Project would create between approximately 25 and 45 new jobs for tribal members and non-tribal members, and would assist the Tribe in addressing the lack of an adequate tribal land base sufficient to support their economic needs. The Proposed Action would help the Tribe meet its long-term goals of increased Tribal revenue to strengthen the tribal government and fund a variety of social, governmental, administrative, educational, and health and welfare services to improve the quality of life of tribal members.

Although transferring the Property into federal trust status for the Tribe would result in a loss of taxation by the State and local jurisdictions, the Tribe has numerous partnerships with local agencies and groups. For example, the Tribe and Kings County entered into a Memorandum of Understanding (MOU) in 2003, in which the Tribe provided funding for maintenance of County-maintained roads, the provision of law enforcement services, and the provision of County fire protection and emergency services. The Tribe regularly contributes donations towards local fire, law enforcement, education facilities, and more.

The Tribe has donated fire trucks to fire departments in nearby cities, as well as equipment to the Kings County Fire Department, such as replacement fire apparatus and emergency defibrillators, and a charitable contribution of \$586,054. The Tribe has also made charitable contributions to Toys for Tots and Relay for Life, and donates to the Kings County service system to fund public services, such as fire and police protection services. Furthermore, the Tribe currently contributes \$900,000 per year to the Kings County annual budget through a Mitigation Agreement with Kings County; these funds are distributed to the Kings County Fire Department and Sheriff's Department.

1.4 REGULATORY REQUIREMENTS AND APPROVALS

The Proposed Project, as described in **Section 2.1**, may require federal approvals and actions. **Table 2** identifies each potentially responsible agency and potential permits or approvals that may be needed. Additionally, approval of the Proposed Project by the Tribal Council would be required prior to implementation.

Table 2. Potential Permits and Approvals Needed

| Agency | Permit or Approval |
|---|---|
| Federal | |
| Secretary of the Interior | Transfer of Property into federal trust status for the Tribe |
| CA Office of Historic Preservation | Consultation under Section 106 of the National Historic Preservation Act |
| United States Environmental Protection Agency (USEPA) | Verification of project coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges from Construction Activities as required by the Clean Water Act (CWA) |

SECTION 2.0

PROPOSED PROJECT AND ALTERNATIVES

This section describes the alternatives analyzed within this document consistent with CEQ guidelines (40 CFR§ 1502.14). A reasonable range of alternatives is evaluated in this EA based on consideration of the purpose and need of the Proposed Project and opportunities for reducing environmental effects. Alternatives are summarized below.

Alternative A – Proposed Project: Acquisition of the Property into federal trust and the development of an RV park, orchard, stocked fishing pond, and associated infrastructure, and restoration of a portion of the on-site Mussel Slough (**Figure 4**).

Alternative B – No Action: No land acquisition into trust and no construction on the Property for the foreseeable future.

2.1 ALTERNATIVE A: PROPOSED PROJECT

Alternative A consists of the following: (1) transfer of the Property into federal trust for the benefit of the Tribe, and (2) development of an RV park, orchard, stocked fishing pond, and associated infrastructure, and restoration of a portion of the on-site Mussel Slough. The Project Site encompasses a total of 146.6 acres. Existing land uses outside of the Property would not be altered by the Proposed Project. Project components are discussed in detail below. Proposed site plans are shown on **Figure 4**.

2.1.1 RV PARK

The Proposed Project includes the construction of an RV park within an approximately 61.2-acre area in the northwest corner of the Property (**Figure 4**). The RV park would consist of approximately 155 RV lots sized approximately 60 feet wide and 80 feet long. RV lots would be set back a minimum of ten feet from irrigation ditches and 100 feet from property boundaries. Potable water and electricity would be available, and a dump station would be provided for wastewater collection. The dump pit would be connected to the Casino’s wastewater treatment plant (WWTP). Two small structures would be constructed within the RV park to be used as offices. Additionally, two restrooms would be constructed.

2.1.2 ORCHARD

Approximately 57.4 acres in the southwestern corner of the Property would be designated for an orchard. The orchard would consist of a variety of fruit and/or nut trees. An unpaved access drive approximately 24 feet in width would extend around the perimeter and would connect to 18th Avenue to provide vehicular access to the orchard. An existing dirt access drive connects the orchard to the balance of the Property. The orchard would be irrigated via low water demand methods such as drip irrigation.

2.1.3 SLOUGH RESTORATION

Historically, Mussel Slough ran through a significant portion of the Property, specifically through parcels APN 024-160-031, 032, and 033. The slough is associated with significant cultural resources, Tribal significance, and biological resources. As part of the Proposed Project, 4,114.6 linear feet of the slough will be restored using native vegetation. Supplemental water will be provided as needed via existing groundwater wells owned by the Tribe.

The Tribe is also in the process of installing several new groundwater wells on trust land to serve the Tribe's existing Casino, housing, and other amenities (separate from Alternative A), but which may be used incidentally by Alternative A. Restoration activities would encompass approximately 10.2 acres of the Property.

2.1.4 RECREATIONAL STOCK POND

A recreational fishing pond would be installed as a component of the Proposed Project (**Figure 4**). The pond would be stocked with native fish species such as bass or trout. The surface area of the pond would total approximately 5.0 acres with an approximate depth of 6 feet. The pond will overlap with a naturally-occurring historical bifurcation in the slough restoration area and will be designed to allow for water to be pulled from the slough. The stock pond will be supplemented with water from on-site groundwater wells as needed. The design will also prevent fish from exiting the pond. Excavated soils would be utilized on site as possible to amend the orchard and stabilize the banks of the pond. Excess soils would be hauled off-site. When complete, the stock pond will serve multiple recreational purposes such as fishing and swimming. The area around the pond will be landscaped as open park space. The park space will offer park-like amenities such as picnic tables and barbeque pits. A public restroom will be available to service visitors to the park and pond.

2.1.5 INFRASTRUCTURE IMPROVEMENTS

The proposed infrastructure improvements for Alternative A are shown on **Figure 4**. Access to the Project Site would be provided through parcel APN 024-160-024, which is owned by the Tribe and has an existing access road that connects to Jersey Avenue. Paved roadways on the Property would be one lane in either direction with a width of 12 feet per lane with a 2-foot shoulder on either side. Therefore, total width of roadways on the Property would be 28 feet. Parking would be available on site, including in an approximately half-acre parking lot connected to the recreation area around the pond. Vehicle parking stalls would be 18 feet in length and 9 feet in width, and RV parking stalls would be 40 feet in length and 20 feet in width. Landscaping would occur throughout the Property consistent with landscaping of nearby development such as the neighboring casino. Vegetation used on site would be drought tolerant and native where possible.

Potable water would be provided by existing on-site groundwater wells. Reclaimed water produced by the Casino would be used for non-potable uses such as irrigation. As discussed above, a dump site would be constructed to service the RV park and would be connected to the Casino's WWTP. Similarly, the three public restrooms on site would also be serviced by the Casino's WWTP. An electrical connection is already present on site and provided by PG&E. Natural gas would be provided to the site by Southern California Gas Company.

2.1.6 CONSTRUCTION DETAILS

Construction of the Proposed Project is anticipated to commence in early 2023 and last approximately six to eight months. Construction would involve earthwork, placement of concrete foundation, structural framing, electrical and mechanical work, building finishing, paving, and grading. Given the level topography of the Property, construction will likely be accomplished with balanced onsite cut and fill, with the exception of the pond construction. Before hauling off-site, soils will be re-used on-site where possible, such as adding over top of the orchard soils. Some structural-grade fill may be imported to meet engineering requirements. Structures would adhere to the equivalent of California building codes.

2.1.7 BEST MANAGEMENT PRACTICES

BMPs discussed below have been incorporated into Project design to reduce potential impacts of Alternative A.

Land Resources

- Suitability of earth and construction materials will be determined by licensed professionals utilizing geotechnical evaluation procedures consistent with standard engineering practices.
- Site preparation and earthwork will be performed by licensed contractors.
- Grading plans, subsurface investigations, and slope stability and seismic design calculations as well as paving and design parameters will be specified under the supervision of appropriate licensed professionals.

Water Resources

- Low-flow appliances and drought-tolerant landscaping will be implemented to the extent feasible.
- Irrigation of the orchard will be through low-water demand methods such as drip irrigation.
- A licensed professional will prepare a grading and drainage report for the Proposed Project.
- Aside from roadway crossings over irrigation ditches, water resources will be avoided as follows: a minimum 10-foot setback from manmade irrigation ditches, a 100-foot setback from the slough restoration, and 50 feet from the proposed pond.
- Appropriate storm water and erosion control BMPs will be implemented, including the following:
 - o Construction activities will be conducted during the dry season to the extent feasible.
 - o Erosional control measures will be complied with prior to and during construction.
 - o Straw mulch or similar will be applied at the manufacture's specifications to stabilize disturbed areas as needed.
 - o Undeveloped areas will be kept as permeable surfaces to the extent feasible.

Air Quality and Climate Change

- Active construction areas will be watered as needed to reduce dust.
- Trucks hauling soil and other loose materials will be covered or required to maintain at least two feet of freeboard.
- Dirt, gravel, and debris piles will be covered as needed to reduce dust and wind-blown debris.
- Engines shall be kept in good mechanical condition to minimize exhaust emissions.
- Emissions of volatile organic compounds, nitrogen oxides, sulfur oxides, and carbon monoxide will be controlled by requiring diesel-powered equipment to be properly maintained and minimizing idling time to five minutes when construction equipment is not in use, unless per engine manufacturer's specifications or for safety reasons.
- Low-flow appliances and drought-tolerant landscaping will be implemented to the extent feasible.

Noise

- Construction activities will be limited to daytime hours (7:00 am to 7:00 pm).
- Powered equipment will comply with applicable federal regulations and will be fitted with adequate mufflers according to manufacturing specifications to minimize construction noise.

Public Services

- Construction equipment that normally includes a spark arrester will be equipped with a spark arrester in good working order. This includes, but is not limited to, vehicles and heavy equipment.

Hazardous Materials

Personnel will follow BMPs for filling and servicing construction equipment and vehicles. BMPs designed to reduce the potential for incidents/spills involving hazardous materials include the following:

- Secondary containment will be provided for potentially hazardous materials during construction.
- Fuel, oil, and hydraulic fluids will be transferred directly from a service truck to construction equipment.
- Catch-pans will be placed under equipment to catch potential spills during servicing.
- Vehicle engines will be shut down during refueling.
- No smoking, open flames, or welding will be allowed in refueling or service areas.
- Refueling will be conducted away from water to prevent contamination in the event of a leak.
- Should a spill occur, contaminated soil will be contained and disposed of pursuant to applicable regulations.

Visual Resources

- Outdoor lighting shall be limited to downcast/shielded lights that would not overspill the Property.

2.2 ALTERNATIVE B: NO ACTION

Under the No Action Alternative, additional land would not be placed in trust for the benefit of the Tribe and no foreseeable change in land use on the Property would occur. Jurisdiction of the Property would remain with the State and/or County. Ultimately, the Property could be developed or sold by the Tribe consistent with County zoning and policies. As these scenarios are speculative, for purposes of analysis in this EA, it is assumed further development would not occur on the Property.

2.3 COMPARISON OF ALTERNATIVES

Alternative A includes transfer of the Property into trust followed by construction of the Proposed Project. The Proposed Project would result in recreational and agricultural land uses, as well as the installation of infrastructure (**Figure 4**). Existing land uses outside of the Project Site under Alternative A would continue, including row crop production. Under Alternative B, the No Action Alternative, no development would occur on the Property, and the Property would remain under the jurisdiction of the County. As discussed above, the Property under the No Action Alternative may be developed and/or sold in the future consistent with federal, state, and local regulations. However, as these possibilities are speculative, this assessment does not assume that these actions would occur. Under the No Action Alternative,

foreseeable activities on the Property would therefore be limited to existing land uses, which include ongoing row crop production. Potential environmental impacts would be higher under Alternative A when compared to Alternative B, as Alternative B is the No Action Alternative and development would not occur in the foreseeable future under Alternative B. However, Alternative A would better fulfill the stated purpose and need. Alternative B, as the No Action Alternative, would not meet the purpose and need identified in **Section 1.2**.

Among the alternatives considered, Alternative A would best meet the Tribe's needs and would provide the greatest benefit to the Tribe. Potential environmental impacts associated with Alternative A would be less than significant with implementation of BMPs discussed in **Section 2.1** and mitigation measures listed in **Section 4.0**.

2.4 ALTERNATIVES ELIMINATED FROM FURTHER CONSIDERATION

Section 1502.14(a) of CEQ regulations for implementing NEPA requires a discussion of alternatives eliminated from further study, as well as reasons for elimination. The following alternatives were considered and excluded from further analysis due to infeasibility, inability to fulfill the stated purpose and need, and/or were not sufficiently distinguishable from the assessed alternatives to offer additional information to assist the BIA in the consideration of impacts under NEPA.

1. An alternative that eliminated the orchard was considered, however, the area is currently under agricultural use. Therefore, ongoing agricultural production of an orchard under the Proposed Project would not have been significantly different compared to use of the area for row crop production.
2. A smaller RV park was considered, however reduction in the size of the RV park would fail to meet the Tribe's goals of self-sufficiency, and a reduction in the size of the RV park would not significantly change the project so as to avoid environmental impacts. Additionally, environmental impacts associated with the RV park planned under the Proposed Project can be reduced to less-than-significant levels, as discussed in **Section 3.0**.
3. Other alternative locations were considered, but were eliminated due to higher cost, conflicts with sensitive environmental resources, and other potentially greater environmental impacts and/or lack of sufficient road access and infrastructure.

SECTION 3.0

AFFECTED ENVIRONMENT & ENVIRONMENTAL CONSEQUENCES

In accordance with NEPA and the BIA Implementing Guidelines (59 IAM 3-H), existing conditions described herein provide the baseline for determining potential environmental effects of the alternatives. Applicable federal, state, and local laws and regulations are listed under each issue area and further discussed in **Appendix A**. State and local laws and regulations apply to the Property prior to acquisition into trust, but are generally not applicable to trust land. Additionally, the environmental setting of each section discussed below is the same for Alternatives A and B.

The following issue areas are evaluated in this EA in accordance with NEPA: Land Resources, Water Resources, Air Quality and Climate Change, Living Resources, Cultural Resources, Socioeconomic Conditions, Transportation Networks, Land Use and Agriculture, Noise, Public Services, Hazardous Materials, Visual Resources, and Recreational Resources. Alternatives would not result in timber harvest; therefore, this issue area is not analyzed further. Additionally, alternatives would not contribute to regional population growth, housing development, or housing demolition, therefore, public schools and parks would not be impacted and are not analyzed further.

3.1 LAND RESOURCES

3.1.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for land resources is summarized in **Table 3** and further discussed in **Appendix A**.

Table 3. Regulatory Policies and Plans Related to Land Resources

| Regulation | Description |
|---|---|
| FEDERAL | |
| National Earthquake Hazards Reduction Program | - Established the National Earthquake Hazards Reduction Program to reduce earthquake hazards |
| STATE AND LOCAL | |
| Alquist-Priolo Earthquake Fault Zoning Act | - Identifies active and potentially active faults - Regulates development in these areas |
| Seismic Hazards Mapping Act | - Identifies areas with seismic hazards - Requires agencies to consider seismic hazard reductions prior to issuing permits |
| Kings County General Plan | - Identifies goals and policies to ameliorate risks associated with development in areas of geological sensitivity |

Environmental Setting

The Property is located within the Central Valley, which is bordered by the coastal range to the west and the Sierra Nevada Mountains to the east. Faults that have shown signs of seismic activity during the last 1.6 million years are considered potentially active. The closest known fault to the Property is the Coalinga section of the Great Valley Thrust Fault System, which is approximately 20 miles southwest of the Property (USGS, 2021a). This is a historic fault that is not active.

The California Department of Conservation maps quaternary faults that may pose risks associated with fault rupture, liquefaction, or landslides. These faults are considered Earthquake Hazard Zones. The nearest Earthquake Hazard Zone fault is the San Andreas Fault, which is located approximately 44.5 miles southwest of the Property (CDC, 2021). The Property is not located in an Alquist-Priolo Earthquake Fault Zone or Seismic Hazard Zone as defined by the Seismic Hazards Mapping Act, thus the risk of fault rupture is low.

A custom soils report for the Property is included as **Appendix B**. The Property consists of the following soils; Lemoore sandy loam, partially drained (175.8 acres, 40.1 percent of the Property); Grangeville fine sandy loam, saline-alkali, partially drained (132.3 acres, 30.2 percent of the Property); Grangeville sandy loam, saline alkali (78.6 acres, 17.9 percent of the Property); Kimberlina saline alkali-Garces complex (31.1 acres, 7.1 percent of the Property); and Lakeside loam, partially drained (20.7 acres, 4.7 percent). Aside from Kimberlina saline alkali-Garces complex, soils on the Property are considered Farmland of Statewide Importance. Soils on the Property are not prone to flooding or ponding.

The Property is relatively level, with elevations ranging from 195 to 200 feet amsl and slopes of less than one percent. According to the U.S. Geological Service (USGS), no mineral resources occur within or 10 miles of the Property (USGS, 2021b). No mineral resources are identified near the Property by the County's General Plan.

3.1.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Construction of Alternative A would involve grading, which is further discussed in **Section 2.1**. It is anticipated that construction will largely be accomplished with balanced onsite cut and fill, with the exception of the pond construction, which may require excess soils to be hauled off-site (**Section 2.1**). Soils will be re-used on site where possible, such as adding supplemental top soil to the orchard and berming along the pond and slough restoration if needed. As discussed in **Section 2.1**, grading activities would be completed pursuant to a geotechnical/soils evaluation prepared consistent with standard engineering practices. The pond would be designed to avoid potential future erosion, and erosion control BMPs would be in place throughout construction. Given the level nature of the Property and the soils present, erosion risk on site is low. Operation of the Proposed Project would not require ongoing ground disturbance.

Seismic events pose little risk to the Property given the flat nature of the site and the distance to the nearest potentially active fault. The County's General Plan, Figure HS-2 Seismic Safety Map, identifies the Property as a V1 seismic zone, where impacts from seismic events are anticipated to be minimal. Soils and topography on site are not prone to liquefaction or landslides, and the Proposed Project would not modify the overall topography of the site. As discussed in **Section 2.1**, construction would adhere to the equivalent of state building codes, which are designed to ensure that buildings meet seismic design standards that reduce the risk of building failure in the event of seismic activity. Structures would be limited to public restrooms and two small RV park offices. Therefore, construction and operation of the Proposed Project would not introduce a potential risk to life or property due to seismic events. There are no mineral resources on or in the vicinity of the Property. Therefore, construction and operation of the Proposed Project would not affect mineral resources. Impacts to farmland of statewide importance are discussed in **Section 3.8**.

BMPs listed in **Section 2.1** would be incorporated into Project design, including compliance with standard engineering practices and use of erosion control BMPs as needed. With consideration of project BMPs, Alternative A would have a less-than-significant impact on land resources.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to land resources.

3.2 WATER RESOURCES

3.2.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for water resources is summarized in **Table 4** and further discussed in **Appendix A**.

Table 4. Regulatory Policies and Plans Related to Water Resources

| Regulation | Description |
|--|---|
| FEDERAL | |
| Federal Clean Water Act | - Governs water quality and protects waters of the U.S. |
| CWA Anti-degradation Policy | - Requires that each state develop an anti-degradation policy |
| Safe Drinking Water Act | - Establishes minimal drinking water standards and groundwater protection |
| Disaster Relief Act | - Developed the Federal Emergency Management Agency |
| STATE AND LOCAL | |
| Porter-Cologne Water Quality Control Act | - Sets water quality objectives and how objectives are to be achieved |
| RWQCB's Anti-degradation Policy | - Requires the development of RWQCB Basin Plans |
| California Water Code | - Regulates treatment of wastewater and water conservation |
| Sustainable Groundwater Management Act | - Regulates groundwater management consistent with water rights |

Environmental Setting

The Property is located in the Tulare Lake Subbasin (HUC 8, 18030012), within the Mussel Slough watershed (HUC 12, 180300122003) (USGS, 2022). The Tulare Lake Subbasin covers an area of approximately 837 square miles with recharge sourced from rivers, streams, and canal systems via direct infiltration. Major rivers that supply water to the subbasin include the Kings, Kaweah, Tule, and Kern Rivers. Locally, the area is dependent on groundwater resources for agriculture and domestic use, and imported water. The subbasin has been identified as critically overdrafted and a high priority for sustainable groundwater management (SFK, 2020; DWR 2019). As a high priority subbasin, sustainable groundwater management must be achieved within 20 years for compliance with the California Sustainable Groundwater Management Act (SGMA). The Property is not within a 100 or 500-year floodplain and is at minimal risk for flooding (FEMA, 2022).

Water is available on site through existing groundwater wells on the adjacent Rancheria. Water from the wells is treated by an existing water treatment plant (WTP) associated with the Casino. The WTP treats

groundwater obtained from the on-site wells to standards specified in the Section 401 of the Clean Water Act. Wastewater connections are available to the Casino, which is supported by a WWTP that treats water to a tertiary level. Treated wastewater is then recycled for non-potable uses such as irrigation. Unused treated wastewater is collected in drying beds to allow water to percolate into the ground.

3.2.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Wastewater

Wastewater, including wastewater generated by the public restrooms and the RV dump station, would be treated by the Casino's existing WWTP. The existing WWTP is sufficient to handle the wastewater treatment demands of the Proposed Project in addition to existing wastewater demands. Wastewater treated from the Casino is recycled for use in landscape irrigation, dust control, and the Casino's central plant cooling towers. No new infrastructure would be necessary, and a municipal connection is not proposed. This would be a less-than-significant impact.

Water Supply

The Project Site is approximately 146.6 acres and is already irrigated for agricultural purposes, primarily for production of alfalfa and corn. Irrigation is currently supplied from existing groundwater wells shown on **Figure 4**. The Tribe is also drilling several new wells on trust land (separate from Alternative A), but which may be incidentally used by Alternative A. The California Department of Water Resources (DWR) Agriculture Land and Water Use Estimates dataset (2018) provides multiyear data for irrigation demands across a variety of crop categories. For alfalfa grown in the Tulare Hydrologic Region from 2011 to 2015, irrigation demand for alfalfa was approximately 5.44 acre-feet (AF) per acre per year (DWR, 2018). Demand for corn was approximately 2.54 af per acre per year. Though the amount of water used to irrigate the Project Site is dependent upon annual weather patterns and crop rotations, this would result in an approximate existing water demand of between 372.4 and 797.5 af of water per year.

Water for the Proposed Project would be supplied from existing groundwater wells located on the adjacent Reservation. Irrigation for the orchard would use water conservation techniques, such as drip irrigation and use of reclaimed water. The Proposed Project would convert approximately 57.4 acres of row crop to orchard. An orchard with a mix of fruit and nut trees would have an irrigation demand of approximately 4.5 AF per acre per year, or a total demand of 257.5 AF per year (DWR, 2018).

The National Fire Protection Association (NFPA) 1194 Standard for Recreational Vehicle Parks and Campgrounds provides minimum standards for water availability per RV slip (NFPA, 2005). According to NFPA, water systems should be designed such that a minimum of 50 gallons are available per day per site for sites with individual water connections. Occupancy at the RV park is expected to fluctuate seasonally, however annual water demand has been calculated at full capacity year-round to evaluate maximum water demand, and demand per slip per day has been set at 100 gallons, double the minimum recommended water provision, in order to generate a conservative water demand estimate. Maximum water demand of the RV park, assuming 100 gallons per slip per day at full occupancy, is estimated to be approximately 17.4 acre-feet (AF) annually. Minimal water demand would occur for irrigation of landscaping; however this amount would be minimal, and reclaimed water from the WWTP would likely meet landscaping irrigation demands.

Following restoration of the slough, the initial filling of the slough would require a one-time water demand of 81.6 AF. This would fill the slough to approximately 2 feet below bankfull. Groundwater would be used

for initial filling and subsequent maintenance of water loss. Water losses to evaporation would be approximately 67.3 AF per year (WRCC, 2022). Therefore, the slough would require 81.6 AF of water to fill initially, followed by an annual ongoing demand of 67.3 AF.

The pond would have an initial, one-time water demand of 30.0 AF followed by an annual ongoing demand of 33.0 AF (WRCC, 2022). Groundwater would be used for initial filling and subsequent maintenance of water loss. In total, it is estimated that the first year of the Proposed Project operation would use approximately 486.8 AF of water during the first year of operation followed by an annual use of 375.2 AF. The Project Site has a current estimated water demand between 372.4 AF for years of corn production and 797.5 AF for years of alfalfa production. The Proposed Project would be within the range of the existing water demand for both the initial year of operation as well as ongoing years of operation. Ongoing operational water demand is within 5 AF of the irrigation demands of corn and several hundred AF less than alfalfa irrigation demands, which would result in a long-term decrease in water demand over time. Therefore, given the overall reduction in water use and the inclusion of BMPs in **Section 2.1**, there would be a less-than-significant impact.

Drainage

The Property is not located within a 100 or 500-year FEMA designated floodplain nor an area of high flood hazard. Topography of the Property is relatively level. However, development on the Property would involve ground-disturbing activities that could result in minor erosion and sedimentation. For construction of Alternative A, the proposed slough and pond would follow professionally engineered design plans, and BMPs incorporated into project design for erosion control and siltation would be implemented. The Proposed Project includes four crossings over irrigation canal infrastructure. These crossings would either be fully spanned or appropriately culverted so that flow would be unimpeded.

During construction of Alternative A, limited quantities of hazardous substances such as fuels, solvents, oils, and paints would be used and stored onsite. A hazardous material spill or leak could pose a temporary hazard to water quality during construction. Potentially hazardous materials stored and used during construction would not remain during operation. BMPs discussed in **Section 2.1** would be incorporated into project design to reduce potential project-related impacts on water quality. The BMPs would reduce potential impacts to water quality by maintaining undeveloped areas as pervious surfaces, implementing stormwater and erosion BMPs, and implementing appropriate drainage infrastructure. A Stormwater Pollution Protection Plan (SWPPP) would be prepared and would include water quality control measures that would be implemented during construction and site stabilization following construction. BMPs associated with Land Resources and Hazardous Materials in **Section 2.1** will be incorporated into project design to reduce potential impacts associated with drainage and use of limited hazardous materials during construction. There would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact on water resources.

3.3 AIR QUALITY AND CLIMATE CHANGE

3.3.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for air quality and climate change is summarized in **Table 5** and further discussed in **Appendix A**.

Table 5. Regulatory Policies and Plans Related to Air Quality and Climate Change

| Regulation | Description |
|---|---|
| FEDERAL | |
| Federal Clean Air Act | – Identifies regulations to protect and enhance air quality |
| Federal Attainment Status | – Identifies whether air quality in a region meets air quality standards |
| Federal General Conformity | – Establishes minimum thresholds for pollutants in non-attainment and maintenance areas |
| Federal Hazardous Air Pollutant Program | – Regulates levels of hazardous air pollutants |
| Federal Clean Air Act and Indian Tribes | – Designates the USEPA as the agency with jurisdiction for issuing regulations regarding air quality on Tribal land |
| Federal Class I Areas | – Requires that pollutant sources be evaluated to determine if new sources are near certain public parks |
| Tribal New Source Review | – Requires a new source permit be attained by a tribe prior to pollutant source development if exceeding minor New Source Review levels |
| National Environmental Policy Act | – Requires that a project be evaluated for the level of impact to air quality and provide mitigation as necessary to minimize impacts |
| STATE AND LOCAL | |
| California Clean Air Act | – Established a state-wide pollution control program |
| California SIP | – Consists of the compilation of air quality attainment plans for each Air Quality Management District |
| San Joaquin Valley Air Pollution Control District | – Monitors and regulates air quality within the San Joaquin Valley Air Pollution Control District |
| Regional Climate Action Plan, Kings County | – Identifies goals and policies to reach attainment standards |
| County of King General Plan | – Identifies County goals and polices related to air quality |
| State Legislation – Climate Change | – Comprised of several Assembly Bills and Executive Orders – Implements long-term air quality standards and building standards |

Environmental Setting

The Property is located in the San Joaquin Valley Air Basin (SJVAB). Criteria air pollutants (CAPs) are classified as nonattainment, attainment, or maintenance. Ozone precursors, which include ROGs and NO_x, react in the atmosphere with sunlight to form ozone. Ground-level ozone is a respiratory irritant that increases susceptibility to respiratory infections. The SJVAB is designated as non-attainment/extreme for ozone (O₃ [precursors nitrous oxide (NO_x) and reactive organic gases (ROG)]) under the National Ambient

Air Quality Standard (NAAQS) and non-attainment/serious for particulate matter 2.5-microns in diameter or less (PM_{2.5}) under the NAAQS, and therefore these are pollutants of concern (POC). The SJVAB attainment status is shown in **Table 6**.

Emissions within Kings County are estimated and documented through the San Joaquin Valley Air Pollution Control District (SJVAPCD) and California Air Resource Board (CARB). The County is similar to other portions of California and the U.S. in that a large portion of carbon monoxide (CO) emissions stem from mobile sources (approximately 80 percent), with the majority coming from passenger cars and trucks (City of Hanford, 2010). NO_x is also dominated by mobile sources (95.0 percent), predominately passenger cars and trucks; however, heavy-duty diesel trucks account for a larger portion of NO_x emissions. In the County, approximately 63.8 percent of ROG emissions are due to mobile sources, while consumer products compose 18.5 percent and the remainder are area sources (City of Hanford, 2010).

Sources of GHG emissions include electricity, transportation, natural gas, solid waste disposal, refrigerants, and water transport. Emissions from water transport are generated from the energy demands of serving water and are affected by the renewable mix of the power provider and the service delivery distance. Emissions from solid waste disposal include landfill biogas, composting, and land treatment.

| Pollutant | NAAQS |
|---|-------------------------------|
| O ₃ , 8-hour ¹ | Non-Attainment/Extreme |
| PM ₁₀ | Attainment |
| PM _{2.5} ¹ | Non-Attainment/Serious |
| CO ¹ | Attainment/Unclassified |
| N ₂ O | Attainment/Unclassified |
| SO ₂ | Attainment/Unclassified |
| Pb | No Designation/Classification |
| ¹ Pollutants of Concern. Note: N ₂ O = nitrous oxide; SO ₂ = sulfur dioxide; Pb = lead Source: SJVAPCD, 2012 | |

The heat-trapping or “global warming” potential (GWP) of a gas is compared to carbon dioxide (CO₂) as a baseline—which has a heat trapping potential of one—and is reported in terms of CO₂e, usually over a 100-year time frame. The GWP of a GHG decreases over time, and the length of time a GHG remains in the atmosphere can vary substantially. According to the 2013 Intergovernmental Panel on Climate Change Fifth Assessment Report (ICPP AR5), when including climate-carbon feedbacks, CH₄ has a GWP of 34 and N₂O has a GWP of 298 (Myhre et al., 2013). For electricity generation, the CO₂e depends on the fuel mix, and particularly the proportion of renewable energy, used by the power provider. Mobile sources are generated from both on- and off-road vehicles and equipment. CO₂e provides a means for presenting the relative overall effectiveness of emission reduction measures for various GHGs.

Emissions within Kings County are estimated and documented through the Kings County Community-Wide Greenhouse Gas Emissions Inventory prepared by SJVAPCD in April 2013 reflecting 2005 regional emissions levels (KCAG, 2014). In 2005, the region emitted approximately 1,139,135 metric tons (MT) CO₂e. The inventory also considered emissions absorbed from carbon sequestration and capture, and

found that net emissions were 1,046,804 MT CO₂e (KCAG, 2014). The County is similar to other portions of California and the U.S. in that a large portion of CO emissions stem from mobile sources (approximately 79 percent statewide), with the majority coming from passenger cars and trucks. In 2005, 42 percent of CO₂e emissions were due to transportation (KCAG, 2014). Electricity composed 31 percent, and fuel combustion composed 25 percent of emissions, respectively, and waste composed the remaining emissions (KCAG, 2014).

Potentially occurring odors are also considered a component of the air quality environment. Types of operations typically evaluated for odors include waste processing and industrial facilities such as wastewater treatment plants, landfills, and confined animal facilities. CAPs and GHGs in the vicinity of the Property are predominately emitted by mobile sources associated with transportation due to the close proximity to State Route 198, approximately 3.5-miles northeast of the Property and State Route 41 located 2.5 miles west of the Property.

Sensitive receptors include land uses that house or attract individuals susceptible to adverse impacts from air pollution, and these locations should be given special consideration when evaluating air quality impacts of projects. Hospitals, schools, convalescent homes, parks, churches and residential areas are examples of sensitive receptors. Sensitive receptors with the potential to be impacted by the construction of Alternative A include two residences approximately 140 feet west and 50 feet east of the Property. Other sensitive receptors are approximately over 1,000 feet and over 500 feet away being the Central Union Preschool to the northwest and a residence to the northeast, respectively.

3.3.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

An impact would be considered significant if construction or operational emissions from the Proposed Project of the ozone precursors nitrogen oxide (NO_x) or reactive organic gases (ROG) were to exceed *de minimis* levels as provided in Federal Conformity Regulations found at 40 CFR 93. Conformity *de minimis* levels for NO_x and ROG are 10 tons per year (tpy) per pollutant and 70 tpy for PM_{2.5} emissions (USEPA, 2016). Other federal criteria air pollutants (CAPs) are in attainment or maintenance in the San Joaquin Valley Air Basin (SJVAB). In accordance with the Federal Conformity Regulation, Project emissions of CAPs in an attainment area would have a less-than-significant impact on regional air quality.

Construction and operational criteria pollutants were estimated using the California Emissions Estimator Model (CalEEMod) version 2020.4.0, the latest air quality model approved by the USEPA. Construction was modeled to begin in January 2023 and ending in September 2023. CalEEMod operational defaults were used for water usage, trip length, and other parameters. Trip generation rates are from the ITE Trip Generation Manual, 10th Edition. A description of CalEEMod inputs is provided in **Appendix C**. Given the global nature of climate change, individual project impacts are most appropriately addressed in terms of the incremental contribution to a global cumulative impact. Therefore, cumulative impacts related to climate change are discussed in **Section 3.14**.

Construction Emissions

Construction of Alternative A would generate criteria air pollutants from construction equipment (primarily diesel-operated), worker automobiles (primarily gasoline-operated), and land disturbance. Construction emissions are shown in **Table 7** and CalEEMod output files are provided in **Appendix C**.

Alternative A emissions were compared to applicable *de minimis* thresholds for purposes of this analysis. Ozone (precursors ROG and NO_x) and PM-2.5 are designated as nonattainment in the SJVAB and in

accordance with the NAAQS are subject to federal *de minimis* thresholds of 10 tpy and 70 tpy, respectively. The generation of construction-related emissions is a short-term impact and, as shown in **Table 7**, are less than federal *de minimis* levels. Additionally, protective measures and BMPs discussed under Air Quality and Climate Change in **Section 2.1** would be incorporated to further reduce construction-related emissions. There would be a less-than-significant impact.

Table 7. Unmitigated Construction Emissions – Alternative A

| Construction Year | Pollutants of Concern (Tons Per Year) | | | | | |
|--|---------------------------------------|-----------------|------------|-----------------|------------------|-------------------|
| | ROG | NO _x | CO | SO _x | PM ₁₀ | PM _{2.5} |
| 2023 | 2.05 | 2.27 | 3.02 | 0.01 | 0.71 | 0.25 |
| Maximum Year Construction Emissions | 2.05 | 2.27 | 3.02 | 0.01 | 0.71 | 0.25 |
| <i>De Minimis levels</i> | 10 | 10 | N/A | N/A | N/A | 70 |
| Exceeds Thresholds | No | No | N/A | N/A | N/A | No |
| N/A = not applicable; unclassified threshold See Appendix C for full results. Source: CalEEMod 2020.4.0; USEPA, 2016. | | | | | | |

Operational Emissions

Operational emissions were based on defaults of CalEEMod inputs (**Appendix C**). **Table 8** summarizes total operational emissions, which would not exceed the federal *de minimis* levels. There would be a less-than-significant impact.

Table 8. Unmitigated Operational Emissions – Alternative A

| Source Category | Pollutants of Concern (Tons Per Year) | | | | | |
|---|---------------------------------------|-----------------|-------------|-----------------|------------------|-------------------|
| | ROG | NO _x | CO | SO _x | PM ₁₀ | PM _{2.5} |
| Area | 1.10 | 0.09 | 2.61 | 0.01 | 0.25 | 0.25 |
| Energy | 0.01 | 0.11 | 0.05 | 0.00 | 0.01 | 0.01 |
| Mobile | 0.44 | 0.94 | 4.53 | 0.01 | 1.07 | 0.29 |
| Total | 1.56 | 1.14 | 7.18 | 0.02 | 1.32 | 0.55 |
| <i>De Minimis levels</i> ² | 10 | 10 | N/A | N/A | N/A | 70 |
| Exceeds Thresholds | No | No | N/A | N/A | N/A | No |
| N/A = not applicable; unclassified threshold Source: CalEEMod 2020.4.0; USEPA, 2016. See Appendix C for full results. | | | | | | |

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impacts to air quality or climate change.

3.4 LIVING RESOURCES

3.4.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for living resources is summarized in **Table 9** and further discussed in **Appendix A**.

Table 9. Regulatory Policies and Plans Related to Living Resources

| Regulation | Description |
|---|---|
| FEDERAL | |
| Federal Endangered Species Act | <ul style="list-style-type: none"> - Identifies federally-protected plants and animals - Appoints the U.S. Fish and Wildlife Service to identify Critical Habitat |
| Migratory Bird Treaty Act | <ul style="list-style-type: none"> - Protects migratory birds and their nests from take |
| Bald and Golden Eagle Protection Act | <ul style="list-style-type: none"> - Protects bald and golden eagles from take |
| Clean Water Act Section 404 – Wetlands and Other Waters of the U.S. | <ul style="list-style-type: none"> - Regulates impacts to Waters of the U.S. and requires permitting and mitigation for impacts |
| STATE AND LOCAL | |
| California Endangered Species Act | <ul style="list-style-type: none"> - Identifies state-protected plants and animals - Prohibits take to species protected under the California Endangered Species Act |
| California Department of Fish and Game Code | <ul style="list-style-type: none"> - Protects birds and their nests - Requires permits for impacts to lakes, streams, and riparian habitat - Protects other special-status species not protected under the California Endangered Species Act |

Environmental Setting

A biological resources survey was conducted of the Property on August 17, 18, and 19, 2020 (**Appendix D**). The Property was surveyed again in January 2022. Survey methodologies, habitat descriptions, potentially occurring sensitive biological resources, and survey results are described within **Appendix D**.

Habitat on the Property consists of agricultural land dominated by ruderal vegetation with areas of open bare ground, and is not considered sensitive. A National Wetlands Inventory query identified an intermittent streambed (R4SBC) and ditch infrastructure (R4SBCx and R5UBFx) on the Property, which were identified as the Lemoore Canal and the historic slough channel of Mussel Slough (**Appendix D**). The query did not identify wetlands on the Property and no wetlands were observed during the surveys.

Data review and special-status species searches identified 3 special-status plant species and 12 special-status wildlife species with the potential to occur in the region (**Appendix D**). Of these, the following five special-status animal species have the potential to occur on the Property:

- Swainson's hawk (*Buteo Swainsoni*, State Threatened)
- San Joaquin kit fox (*Vulpes macrotis mutica*; SJFK, Federally Endangered and State Threatened)

No special-status species were observed during surveys. Although **Appendix D** noted suitable habitat for mud nama on the Property, habitat was marginal, and this species was not observed during surveys. Although the analysis in **Appendix D** determined there was marginal habitat for CRLF on the Property, CRLF has not been observed within 10 miles of the Property. Given the distance from the nearest historical observance of this species and the fact that the Property is believed to be outside of CRLF range (CaliforniaHerps, 2022), this species is considered to not have potential to occur on the Property. Similarly, due to the lack of basking sites and riparian vegetation, western pond turtle would only incidentally use the slough or irrigation ditches for dispersal, however, likelihood of occurrence is extremely low and nearby observations have not been reported since 1998 (**Appendix D**). Additionally, the Property is outside of the range of giant garter snake (USFWS, 2023). Although burrows were observed on site, the level of disturbance, lack of shrub cover, lack of foraging habitat, and general site conditions are largely not suitable for Tipton kangaroo rat and blunt-nosed leopard lizard (**Appendix D**).

The Property contains marginal foraging habitat for Swainson's hawk, but does not provide nesting habitat. Burrows on-site may be suitable to support SFJK, and the surrounding area is suitable foraging habitat. SFJK may also utilize the Property for dispersal.

3.4.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Alternative A would occur within agriculture land, and no sensitive habitats would be impacted (**Appendix D**). The Property does not contain wetlands. Surface water is limited to irrigation ditch infrastructure. The following setbacks would be maintained for the protection of resources: 1) a minimum 10-foot setback from manmade irrigation ditches, aside from ditch crossings, 2) a 100-foot setback from the slough restoration, and 3) a 50-foot setback from the proposed pond. These setbacks are incorporated as BMPs in **Section 2.1**.

Additionally, there are four access drive crossings over irrigation canals. These crossing would either be free-spanned or culverted appropriately so as not to impede flow. Crossing design would incorporate BMPs for erosional control measure to reduce potential impacts to a less than significant level. Additional BMPs for Land Resources and Hazardous Materials in **Section 2.1** would further reduce potential impacts to water quality to a less than significant level.

Once taken into trust, state and local laws and regulations generally do not apply to trust land. Of the five species identified above, four are federally protected. Although Swainson's hawk is state listed and is therefore not generally not afforded protection on trust land, it is protected under the Migratory Bird Treaty Act. Habitat for Swainson's hawk on the Property is limited to foraging habitat. Potential impacts to federally-protected SJKF are generally limited to the construction phase when ground disturbance has the potential to impact individuals of these species. Additionally, as burrows suitable for this species are present on-site, there is the potential for impacts to individuals to occur, should burrows be occupied at the time of groundbreaking. SJKF has a low likelihood to occur due to existing agricultural disturbance. Mitigation Measures identified in **Section 4.1** would reduce potential impacts to federally protected species by providing construction personnel with Environmental Awareness Training and requiring a halt of work if observed. A preconstruction survey would be completed by a qualified biologist, and, if potentially active SJKF dens are observed, USFWS would be contacted and proper avoidance and impact minimization measures would be identified and implemented prior to construction. Additionally, a qualified biologist would monitor the grading phase of construction as well as the installation of irrigation ditch crossings. Equipment and materials would be checked at the start and end of each work day, and

features such as open trenches would be equipped with escape ramps. With implementation of Mitigation Measures listed in **Section 4.1**, impacts would be less than significant.

There are no trees on the Property, however trees within 500 feet of the Project Site may provide habitat for nesting migratory birds. Potential impacts to nesting migratory birds could occur should ground disturbing activities commence during the nesting season (approximately February 15 - September 15). Mitigation Measures identified in **Section 4.1** would reduce potential impacts to nesting birds through a preconstruction nesting bird survey and maintenance of a construction buffer around active nests. With implementation of Mitigation Measures listed in **Section 4.1**, there would be a less-than-significant impact to living resources.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to living resources.

3.5 CULTURAL RESOURCES

3.5.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for cultural resources is summarized in **Table 10** and further discussed in **Appendix E**.

Table 10. Regulatory Policies and Plans Related to Cultural Resources

| Regulation | Description |
|--|---|
| FEDERAL | |
| National Historic Preservation Act | - Prohibits impacts to prehistoric/historic archaeological objects/site or any object/site listed or eligible for listing on the National Register of Historic Places |
| National Register of Historic Places | - Delegates the Secretary of the Interior to maintain and expand a National Register of districts, sites, buildings, structures, and objects of significance |
| Native American Graves Protection and Repatriation Act | - Outlines appropriate actions in the event of discovery of Native American graves on federal lands |
| Paleontological Resources Preservation Act | - Establishes regulations to provide for the preservation, management, and protection of paleontological resources on Federal lands |
| STATE AND LOCAL | |
| California Public Resources Code (5020.1, 5024.1, 21083.2) | - Protects sites or objects on the California Register of Historical Resources - Requires projects to assess impacts to archaeological resources and mitigate |
| California Health and Safety Code (7050.5) | - Prohibits the removal or disturbance of human remains |
| Assembly Bill 52 | - Prohibits disturbance of a Native American site listed or eligible for listing on the California Register of Historical Resources |

Environmental Setting

Prehistory in the southern San Joaquin Valley begins at an early period, with sites found along the pluvial Tulare and Buena Vista lake shores sometime between 8,000 and 11,000 years Before Present (BP). Local Native American groups would have moved their camps to be near waterways as they expanded and contracted seasonally. Early sites indicate a dependence upon large animals, as artifacts from lakeshore contexts were suitable for killing and butchering large game.

By 8,000 years BP, many of the large animals that had been hunted were extinct, and the climate had begun a gradual warming process. New animals, new plants, and new habitats forced changes in the way subsistence items were collected and processed, developing into the patterns associated with later prehistoric lifeways. The Southern Valley Yokuts occupied the region, and according to Kroeber (1925) were unique among California groups in that they lived in true marshes. Kroeber noted Tachi territory from Fish Slough at Tulare Lake west to the Coast Range, where they overwintered near present Coalinga and the Kettleman Hills, close to the former lakeshore. He estimated that Yokuts territory included about 300 square miles. The Tachi Yokuts who dwelled along the northern and western shores of Tulare Lake and the hills which bordered the valley had a number of named villages, including one near present-day Kettleman City (*Wa/nau*), a village west of the mouth of the Kings River (*Hin/en Chi*), and villages south of Lemoore including *Wiu* and *Te/weyat*, on the shores of Tulare Lake (Gayton, 1948).

Each ethnographic chronicler commented in one way or another on the communal nature of the Southern Valley Yokuts generally, and the Tachi specifically, observing that they lived either in detached single-family houses lined up next to one another, or in larger communal houses. Powers (1877) noticed that they “display in their encampments a military precision and regularity which are remarkable... [at one end] lives the village captain; in the other, the shaman.” While biological families formed the smallest unit of the tribe, each family was tied through the father to a larger political and social unit, making all people “relatives.” These units combined into two major groups, called moieties. This dual moiety system of the Tachi is represented by two main animals, the Eagle and the Coyote. Both play prominently in the stories and songs of the Tachi, and influence the marriage patterns of the past.

Cultural Resources Investigation

In early 2020, a records and literature search by the Southern San Joaquin Valley Information Center (SSJVIC; File No. 20-099) was conducted. The results were received in a letter dated March 2, 2020. The earlier record search included some, but not all, of the Property, and therefore a second record search request was sent to the SSJVIC in July 2020 and results (SSJVIC File No. 20-262) were received in a letter dated July 27, 2020. In each case, resources reviewed included the National and California registers of historic resources, the OHP Built Environment Resources Directory, Archaeological Determinations of Eligibility, and the California Inventory of Historic Resources. The Tachi Yokut Cultural Department was also consulted via email and in person. In addition to reviewing the materials provided by the SSJVIC, the General Land Office (GLO) surveys and land patent records maintained by the Bureau of Land Management were searched.

Native American Consultation

On February 25, 2020, a letter was sent to the Native American Heritage Commission (NAHC) requesting a Sacred Lands File search and a list of Native American contacts who may have information about the area. The NAHC responded in a letter dated February 28, 2020 that the Sacred Lands file does indicate the presence of Native American cultural resources in the Project Site vicinity. Therefore, the NAHC requested that the Tachi Yokut Tribe be contacted, and a list of representatives from four other tribes be provided.

As described above, information and assistance from the Tachi Yokut Tribe was solicited and received. Other tribes on the list have not been contacted, but the NAHC results are included in **Appendix E** for use by the BIA should they, as the federal Lead Agency, wish to expand the consultation process.

The Tribe has identified numerous cultural resources within 1-mile of the Property, including the village of *Waiu-Tachi*, located near the Casino and P-16-34, the burial and habitation site underlying Kent Avenue with portions located within and south of the Property. The Tribe provided KMZ location files of their known resources, however requested that no specific information be included in any reports; overall, the fact that so many resources have been located within the vicinity of Mussel Slough is an indication of its significance to the regional Native American population.

Paleontological Investigation

The University of California Museum of Paleontology (UCMP, 2022) online specimen database was examined for information regarding the potential for fossils to occur on the Proposed Project region. The UCMP indicated that over 15,000 fossil specimens have been recovered in Kings County, including bivalves, gastropods, and echinoids, underwater species that would have lived when the San Joaquin Valley was an inland sea, however none were noted near the APE.

Field Survey

Archaeologist Charlane Gross, M.A., RPA led a survey team that completed a pedestrian survey of the Property on August 17 through August 19, 2020 with the assistance of members of the Tachi Yokut Tribe, including the Cultural Director. Overall, the Property were flat and level and had been recently mowed for forage crops. At the time of the survey, the northern approximately 30 feet of 024-160-025-000 and the eastern 15 feet of 024-160-025-000 and 024-160-026-000 were flooded by water running down unnamed irrigation ditches. Ground surface visibility varied depending on the length of the stubble but was generally less than 1 percent. The best visibility was in small berms located between the crop rows, spaced approximately 50 feet apart; in these locations, visibility was closer to 100 percent, however the dirt in the berms consisted of large clods, so any artifacts present could easily be hidden from view.

Transect intervals were spaced 50 feet (15 meters) apart in APNs 024-160-018-000, 024-160-025-000, 024-160-026-000, 024-160-032-000, and 024-160-033-000, where the survey included the dirt berms and grassy areas in between. The transect intervals were spaced 100 feet (30 meters) apart in APNs 024-160-028-000, 024-160-029-000, 024-160-030-000, and 024-160-031-000, where the surveys only followed the raised berms.

There were two finds, the first consisting of a portion of a charmstone located in a dirt field road at the northeastern corner of 024-160-018-000 adjacent to a dairy operation. The second consisted of a narrow streak of dark midden soil with shell fragments located along the northern edge of Kent Avenue, across from burial site P-16-34; the road edge had been scraped down to soil and visibility was excellent. It is presumed that the shell midden is associated with P-16-34 and that deposits likely continue below the roadway and beyond the road edge, northward into APNs 024-160-031 and 024-160-033. No human remains were observed on the north side of Kent Avenue, but the possibility exists that these also continue into the Property north of the road. Since Mussel Slough has been filled in, it is also possible that P-16-34 soils were used. One parcel, 024-160-027-000, had been surveyed previously by the Tribe's Cultural and Historical Preservation Department on January 27, 2019, and therefore was not included in the August 17 through August 19, 2020 survey as no resources were identified during that effort.

Potential for Fossil Discovery and Buried Archaeological Deposits

The southern San Joaquin Valley basin is the location of a former inland sea, and elsewhere within Kings County, underwater fossil species are plentiful. The University of California Museum of Paleontology (UCMP, 2022) online specimen database was examined for information regarding the potential for fossils to occur in the region. While none were noted nearby during the UCMP database search, this does not negate the possibility of their presence. The potential for fossils within the area is high.

3.5.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Archaeological Resources

For historic properties, a significant adverse effect would occur should implementation of the Proposed Project result in at least one of the following effects to cultural resources that are listed, or eligible for listing, on the National Register of Historic Places:

- Physical destruction of or damage to all or part of the resource;
- Alteration of a resource;
- Removal of the resource from its historic location;
- Change of the character of the resource's use or of physical features within the resource's setting that contribute to its historic significance;
- Introduction of visual, atmospheric, or audible elements that diminish integrity of the resource's significant historic features;
- Neglect of a resource that causes its deterioration; or
- Transfer, lease, or sale of the Property.

A literature review, records search, pedestrian survey, and Native American consultation for the presence of cultural resources were conducted within the APE (**Appendix E**); elements of archaeological site P-16-34 were found along the southeastern border of the APE, where shell midden soils were visible along the road edge.

Site P-16-34 is potentially eligible for listing on the NRHP under Criterion D, and it is within the potential construction footprint. Construction-related impacts to Site P-16-34 would be adverse, but would be avoided through implementation of mitigation measures listed in **Section 4.2**. Beyond this specific archaeological site, due to the generally rich nature of prehistoric occupation and use of the Mussel Slough region, there is moderate potential for subsurface cultural resources to be discovered during construction. Implementation of mitigation measures listed in **Section 4.2** would reduce adverse effects to P-16-34 and unanticipated discoveries of archaeological resources and human remains to a less-than-significant level.

On August 26, 2022 the BIA initiated consultation with the State Historic Preservation Officer (SHPO), describing the identification efforts completed for Alternative A. A response dated September 7, 2022, was received in which the SHPO agreed that the APE defined for the Proposed Project and the level of effort to identify resources were acceptable and that the SHPO concurred with a finding of "no adverse effects on historic properties" (**Appendix E**).

Paleontological Resources

An impact would be considered significant if it would directly or indirectly destroy significant paleontological resources. As described above, indicators of paleontological resources within the Project Site are absent in the sources consulted, and no such resources were observed in the course of site surveys. Geologic formations that underlie the Project Site have a high probability of containing paleontological resources. Therefore, there are potential adverse impacts to paleontological resources as a result of Alternative A. Implementation of mitigation measures listed in **Section 4.2** would decrease impacts to unanticipated discoveries of paleontological resources to a less-than-significant level. There would be a less-than-significant impact with mitigation.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to cultural resources.

3.6 SOCIOECONOMIC CONDITIONS

3.6.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for socioeconomic conditions is summarized in **Table 11** and further discussed in **Appendix A**.

Table 11. Regulatory Policies and Plans Related to Socioeconomic Conditions

| Regulation | Description |
|----------------------------------|---|
| FEDERAL | |
| Executive Order 12898 | <ul style="list-style-type: none"> Directs federal agencies to identify and address disproportionately high impacts of federal projects on the health or environment of minority, low-income, and Native American populations |
| STATE AND LOCAL | |
| Regional Housing Allocation Plan | <ul style="list-style-type: none"> Established the Regional Housing Needs Allocation (RHNA) Plan |
| Kings County General Plan | <ul style="list-style-type: none"> Includes a Housing Element that satisfies the RHNA Plan requirement Includes a Land Use Element to ensure future development is compatible with anticipated growth and existing land use |

Environmental Setting

Taxes

Property taxes for the Property parcels for the 2021-2022 tax year were provided by the Tribe's 2021-2022 Property Tax Bills (**Table 12**). For the 2021-2022 tax year, property taxes for the parcels totaled \$149,915.92. Approximately \$39.2 million in property taxes was collected in the County for the 2019-2020 fiscal year (Kings County, 2020). **Table 13** summarizes the County use of funds for collected property taxes.

Population

Kings County has a population of approximately 152,486 as of April 2020 (U.S. Census Bureau, 2020). Between 2010 and 2020, the County experienced a 0.32 percent decrease in population. The state

experienced a population decrease of 0.8 percent between April 2020 and July 2021 (U.S. Census Bureau, 2020). A summary of the demographics of California and Kings County is provided in **Table 14**.

Table 12. Property Taxes by Parcel

| APN | Acreage | Assessed Value | Tax Rate | Property Tax |
|--------------|---------------|---------------------|----------|---------------------|
| 024-160-025 | 36.80 | \$1,210,120 | 1.129789 | \$13,671.80 |
| 024-160-026 | 43.68 | \$1,294,473 | 1.132708 | \$14,662.60 |
| 024-160-027 | 39.85 | \$1,208,290 | 1.132021 | \$13,678.10 |
| 024-160-028 | 40.00 | \$1,191,214 | 1.132561 | \$13,491.22 |
| 024-160-029 | 40.00 | \$1,197,579 | 1.132401 | \$13,561.40 |
| 024-160-030 | 40.00 | \$1,238,196 | 1.131412 | \$14,009.10 |
| 024-160-031 | 40.00 | \$1,185,455 | 1.132706 | \$13,427.72 |
| 024-160-032 | 40.00 | \$1,221,222 | 1.131817 | \$13,822.00 |
| 024-160-033 | 39.00 | \$1,183,132 | 1.132006 | \$13,393.12 |
| 024-160-018 | 77.58 | \$2,313,320 | 1.132522 | \$26,198.86 |
| Total | 436.91 | \$13,243,001 | -- | \$149,915.92 |

Sources: Assessed value and total property tax was provided by the Tribe through their 2021-2022 Property Tax Bill. Parcel values and tax rate information are also available through Kings County (Kings County 2021a and 2021b)

Table 13. Kings County Property Taxes – Uses of Funds

| Uses of Property Tax Funds | Total Property Taxes and Assessments |
|----------------------------|--------------------------------------|
| Schools | 51.12% |
| County/Fire/Library | 22.65% |
| Redevelopment | 13.94% |
| Cities | 6.19% |
| Special Districts | 6.09% |

Source: Kings County, 2021c

Table 14. Demographic Summary

| Area or Census Tract | Total Population | White (Alone) | Hispanic or Latino | African American | American Indian Or Alaska Native | Asian | Native Hawaiian Or Other Pacific Islander | Total Minority Population | % Minority |
|----------------------|------------------|---------------|--------------------|------------------|----------------------------------|-----------|---|---------------------------|------------|
| California | 39,237,836 | 14,321,811 | 15,459,707 | 2,550,460 | 627,805 | 6,081,864 | 196,189 | 24,916,025 | 63.5 |
| Kings County | 152,486 | 47,728 | 81,122 | 11,436 | 4,880 | 6,710 | 610 | 104,758 | 68.7 |

Source: U.S. Census Bureau, 2020

Housing

According to guidance from the CEQ and USEPA, agencies should consider the composition of the affected area to determine whether minority populations, low-income populations, or Indian tribes are present in the area affected by a proposed action and, if so, whether there may be disproportionately high and adverse environmental effects to those populations.

According to the USEPA, either a county or the state can be used when considering the scope of the “general population.” An affected area that has a minority percentage above the state’s percentage is a potential minority community and any affected area with a minority percentage double that of the state’s is a definite minority community under Executive Order 12898. Communities may be considered “low income” under the Executive Order if the median household income is below the poverty line (primary method of analysis) and/or other indications are present that indicate a low-income community is present (secondary method of analysis).

In most cases, the primary method of analysis will suffice to determine whether a low-income community exists in the affected environment. However, when income may be just above the poverty line or where a low-income pocket within the affected area appears likely, the secondary method of analysis may be warranted. Other indications of a low-income community under the secondary method of analysis include limited access to health care, overburdened or aged infrastructure, and dependence on subsistence living. The median household incomes within the County is above the poverty threshold (**Table 15**). The minority population for County falls within 18 and 19 percent above 50 percent, qualifying the County as a minority community according to the CEQ guidance.

Table 15. Household Incomes and Poverty Thresholds

| Geographic Area | Median Household Income ¹ | Average Household Size | Percent Below Poverty |
|-----------------|--------------------------------------|------------------------|-----------------------|
| California | \$75,235 | 2.95 | 11.5% |
| Kings County | \$57,848 | 3.13 | 14.5% |

Sources: U.S. Census Bureau, 2021
¹ In 2019 dollars.

3.6.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Employment

Construction of the Proposed Project would provide temporary employment opportunities. It is anticipated that workers will reside locally. The number of construction workers would be small in comparison to the total number of employment positions throughout the region. This would therefore have a small, but positive effect on the local economy. Operation of the Proposed Project is expected to employ between 25 and 45 staff members. Employment opportunities would not be limited to Tribal members and are anticipated to be filled by existing regional occupants. This would provide a small but positive effect on the local economy and local employment opportunities.

Fiscal Effects

Table 12 summarizes the property taxes that the County collected for the 2021-2022 fiscal year. In the absence of the Property being taken into trust, Property taxes would continue to be paid to the County. Based on the County’s zoning and land use designation for the Property it was anticipated that agricultural activities would be ongoing on the Property. Therefore, revenue from potential future development were not anticipated for the Property. Because the Property would be taken into trust and thus would not be subject to local taxes, total local taxes would be less under the Proposed Project in comparison with future property tax revenues if the Property were to remain in the jurisdiction of the County.

Alternative A would result in the removal of ten parcels from the County's property tax rolls, totaling approximately 436.91 acres. For the 2021-2022 tax year, property taxes for the parcels were \$149,915.92 (Table 12). Approximately \$39.2 million in property taxes was collected in the County for the 2019-2020 fiscal year (Kings County, 2020). The tax on the Property represents approximately 0.38 percent of just the County's total property tax revenue, not including other County sources of tax revenue. In determining impacts to the County's tax base, the 0.37 percent loss in property taxes is diminutive, and would not lead to adverse impacts.

Environmental Justice

The USEPA's Final Guidance provides the following guidance for defining and assessing impacts to minority and/or low-income populations:

- A minority population may be present if the minority population percentage of the affected area is "meaningfully greater" than the minority population percentage in the general population or other "appropriate unit of geographic analysis."
- The NEPA analysis should also make every effort to identify the presence of distinct minority communities residing both within, and in close proximity to, the Proposed Project, and to identify those minority groups which utilize or are dependent upon natural resources that could be potentially affected by the Proposed Project.
- Pursuant to the CEQ guidance, low-income populations in an affected area (that area in which the Proposed Project will or may have an effect) should be identified with the statistical poverty thresholds from the U.S. Census Bureau on Income and Poverty.
- In identifying low-income populations, agencies may consider as a community a group of individuals living in geographic proximity to one another or set of individuals (such as migrant workers or Native Americans) where either type of group experiences common conditions of environmental exposure.

The minority population for both the State and County fall within 13 and 19 percent above 50 percent, respectively, qualifying them as minority communities according to the CEQ guidance. Effects to populations would include beneficial impacts to the local economy, including the creation of temporary construction jobs and an increased revenue base for strengthening the Tribe's government and tribal services. As discussed above, employees are anticipated to reside locally. The Proposed Project would therefore not displace residential populations in the vicinity of the Project Site. Employment opportunities related to construction would be available to qualified individuals, including qualified minorities, and would increase the overall local revenue base. Therefore, the Proposed Project would not result in disproportionately high and adverse environmental effects to minority or low-income communities, including the Tribe. There would be a beneficial impact due to the creation of construction jobs and related economic activity. This impact would be temporary and would dissipate upon the completion of construction. As discussed above, operation of the Proposed Project would provide the local employment market with up to 45 new job opportunities. These opportunities would be available to qualified Tribal and non-tribal members alike, including minorities. There would be a less-than-significant and beneficial impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to socioeconomic conditions.

3.7 TRANSPORTATION NETWORKS

3.7.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for transportation networks is summarized in **Table 16** and further discussed in **Appendix A**.

Table 16. Regulatory Policies and Plans Related to Transportation Networks

| Regulation | Description |
|--|--|
| FEDERAL | |
| Federal Transportation Improvement Program | - Identifies a plan to allocate funding for long-term capital improvement projects |
| STATE AND LOCAL | |
| California Department of Transportation | - Establishes Caltrans as the managing agency over permitting and regulation of state roadways |
| County of Kings General Plan | - Identifies local goals and policies regarding traffic and circulation |

Environmental Setting

The Property is located along Jersey and Kent Avenues between 17th and 18th Avenues in the northern portion of Kings County. Regional access to the Project Site is provided by State Route 41 (SR-41) and Jersey Avenue. Various roadways in the vicinity of the site provide local access. The roadway system in the vicinity of the Property is described below.

- **SR-41** is classified as a Principal Arterial in the County General Plan. SR-41 is a two-lane road for 42 miles between the Kern County line and just south of Hanford-Armona Road. There it becomes a four-lane expressway for about 6 miles to the Fresno County Line.
- **Jersey Avenue** is classified as a local street in the County General Plan. It is currently constructed as a two-lane undivided road, which provides access to SR-41, Casino, and tribal residences.
- **Kent Avenue** is classified as a local street in the County General Plan. It is currently constructed as a two-lane undivided road, which provides access to SR-41, Casino, and tribal residences.
- **18th Avenue** is classified as a local street in the County General Plan. It is currently constructed as a two-lane undivided road.
- **17th Avenue** is classified as a local street in the County General Plan. It is currently constructed as a two-lane undivided road, which provides access to Casino.
- **16th Avenue** is classified as a local street in the County General Plan. It is currently constructed as a two-lane undivided road.
- **Jackson Avenue** is classified as a local street in the County General Plan. It is currently constructed as a two-lane undivided road.

The largest provider of public transit services within Kings County is the Kings County Area Public Transit Agency (KCAPTA). KCAPTA is an intra-governmental agency with representatives from Avenal, Kings County, Hanford, and Lemoore, and is responsible for the operation of the Kings Area Rural Transit (KART).

KART offers scheduled daily bus service from Hanford to Armona, Lemoore, the Lemoore Naval Air Station, Visalia, Corcoran, Stratford, Kettleman City and Avenal.

Regional Transportation

Kings County Association of Governments (KCAG) is the State-designated regional transportation planning agency (RTPA) recognized by the State’s Business, Transportation, and Housing Agency. KCAG has developed the 2018 Regional Transportation Plan (RTP). The 2018 RTP, covering the period from 2018 to 2042, is a continuation of Kings County’s transportation planning process, which began in 1975 with the adoption of its first RTP. The RTP is intended to serve many purposes including to provide the foundation for transportation decisions by local, regional, and state officials, document the region’s mobility needs and issues, and set forth an action plan to address transportation issues and needs consistent with regional and state policies.

The largest provider of public transit services within the region is KCAPTA. KCAPTA is an intra-governmental agency with representatives from Avenal, Kings County, Hanford, and Lemoore, and is responsible for the operation of the Kings Area Rural Transit (KART). KART offers scheduled daily bus service from Hanford to Armona, Lemoore, the Lemoore Naval Air Station, Visalia, Corcoran, Stratford, Kettleman City and Avenal. Ridership between Hanford and Lemoore is about 17,000 individuals per month. KART bus routes begin and end at the KART Terminal located at 504 W. 7th Street Hanford, just west of the Hanford AMTRAK station.

Existing Traffic Conditions

The County utilizes the standardized level of service (LOS) system to measure traffic congestion. LOS is a scale that measures the amount of vehicular traffic that a roadway or intersection accommodates, based on such factors as maneuverability, driver dissatisfaction, and delay at intersections. Levels of service are represented by a letter scale that ranges from LOS A to LOS F. LOS A represents the fastest flow of traffic and LOS F represents significantly congested conditions. The County has adopted an overall LOS standard of D or better on all major roadways and arterial intersections in the County. Existing and projected LOS in the vicinity of the Property is shown in **Table 17**.

Table 17. Existing and Future Roadway LOS

| Roadway Segment | Limits | Existing LOS | General Plan 2035 LOS |
|-------------------------|---|--------------|-----------------------|
| 18 th Avenue | Jackson Avenue – Laurel Avenue | B | B |
| 18 th Avenue | State Route 198 – Jackson Avenue | C | B |
| Jackson Avenue | 18 th Avenue – State Route 43 | B | C |
| Jackson Avenue | State Route 198 – 18 th Avenue | B | C |

Source: Kings County, 2010

3.7.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Construction

Construction of Alternative A would temporarily result in a negligible increase in traffic volume along Jersey and Kent Avenues. Vehicular trips from construction would consist of worker trips and deliveries of equipment and materials to and from the Project Site. The expected increase in traffic would occur

weekdays between the hours of 7 am and 6 pm. The maximum estimated increase in trips along Jersey Avenue would be less than 80 one-way trips per day, based on the conservative approximation of 30 workers and 10 material delivery trips.

Workers are expected to reside locally in nearby Hanford or Lemoore, or within the Kings County region. Roadways in the vicinity of the Property currently operate at an acceptable LOS, and the projected temporary increase in trips due to the construction of the Proposed Project would not cause a significant change to the roadway's level of service. There would be a less-than-significant impact.

Operation

Operational trip generation is based on the 10th Edition of the Trip Generation Manual, Institute of Transportation Engineers (ITE), Land Use 240 – Mobile Home Park. It is estimated that operation of the Proposed Project would generate approximately 775 trips per day. However, trips generated by RV park are expected to be significantly lower than that of a mobile home park and a significant number of trips to the Proposed Project would be attributable to the existing Casino. This is because a mobile home park is generally considered a residence where trips are associated with occupants travelling to and from work, to the grocery store, and other common household errands. Not all RV stalls would be occupied on all days. Additionally, it is anticipated that visitors to the RV park will not make additional trips during their stay as visitors are anticipated to select the RV park as a destination based on the walking proximity to the Casino with its gaming, entertainment, and dining options. Therefore, the Proposed Project would generate a maximum of 388 trips per day after accounting for a 50 percent trip reduction.

As shown in **Table 17**, roadways in the vicinity of the Property currently operate at an acceptable LOS and are forecast to continue to operate acceptable under buildout of the County's 2035 General Plan. Alternative A would not result in a substantial increase in traffic, and would not cause a significant change to the roadway's level of service. The Proposed Project would use the existing access driveways on Jersey Avenue through an adjacent parcel owned by the Tribe. Therefore circulation issues are not anticipated to occur with addition of the Proposed Project. There would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to transportation networks.

3.8 LAND USE AND AGRICULTURE

3.8.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for land use is summarized in **Table 18** and further discussed in **Appendix A**.

Environmental Setting

The Property is zoned as Agricultural (Kings County, 2022), with a land use designation of Agriculture. The surrounding area includes commercial, residential, and agricultural development, including the Casino. The Property does not have a Williamson Act contract (Kings County, 2013). Nearby designated land uses and zoning includes open space, isolated residential development, agriculture, and commercial.

Table 18. Regulatory Policies and Plans Related to Land Use

| Regulation | Description |
|-------------------------------|--|
| FEDERAL | |
| Williamson Act | <ul style="list-style-type: none"> - Allows private landowners to enter into contract with local governments to preserve agricultural and open spaces in exchange for lower taxes |
| STATE AND LOCAL | |
| County of Kings General Plan | <ul style="list-style-type: none"> - Establishes land use designations for areas within the County - Dairy Element establishes standards to promote County dairy industry growth and protect public health and safety of the environment |
| Kings County Development Code | <ul style="list-style-type: none"> - Identifies parcel zoning designations - Determines uses that are allowed, conditionally allowed, or prohibited within zoning districts |

Agricultural land use and zoning dominate the surrounding area. The Rancheria is immediately adjacent to the eastern boundary of the Property. The Casino has a land use designation of commercial/industrial. Other land uses on the Rancheria are dominated by the Tribe's housing, gas station, park space, and a medical office.

Additionally, parcels 024-160-18, -26, -28, -29, and -31 are part of the Dairy Development Overlay Zone (DDOZ), which regulates assorted dairy operations, including maximum allowable head of cattle and support stock, mitigation of environmental effects, and uses of dairy-related sewage, among other dairy production-related aspects. This zone identifies areas where dairies currently exist, or where conditions are suitable for new dairies to be established. Historically, the Property was used for row crop production. Over 90 percent of the Property is considered farmland of statewide importance (**Appendix B**).

3.8.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

The Property is currently not in federal trust and is therefore subject to local, state, and federal land use jurisdiction. Development would not occur until after the land is taken into trust. After acquisition into trust, County land use and zoning designations would no longer apply. A large percentage of the project components would be consistent with agricultural use, particularly the proposed fruit and nut orchard, which covers approximately 57.4 acres and would include supporting infrastructure. Stock ponds are considered agricultural use, and the slough restoration would occur in-line with the historical route of Mussel Slough. The RV park, containing 155 RV parking sites, would occupy approximately 61.2 acres. In general, the RV park would not be consistent with the existing land use. However, the RV park would be adjacent to existing development, including the casino to the east and an events center and parking lot to the immediate north. Development would occur after the land is taken into trust and would be consistent with immediately adjacent development. Existing use of adjacent land would not be changed by Proposed Project, nor would the Proposed Project prevent surrounding landowners from continuing existing land uses. The majority of the Property would remain in existing agricultural use or would be converted to a new agricultural use. There would be a less-than-significant impact to land use.

The majority of soils on the Property are considered farmland of statewide importance. The Farmland Mapping and Monitoring Program (FMMP), within the California Department of Conservation (CDC), maps

activity from the USDA on a continuing basis. Projects are subject to FPPA requirements if they may irreversibly convert farmland to nonagricultural use. The NRCS is responsible for the implementation of the FPPA and categorizing farmland. The NRCS identifies significant farmland areas for preservation through a land evaluation and site assessment (LESA) system to establish a Farmland Conversion Impact Rating (FCIR) score.

The FCIR form has two components: land evaluation, which rates soil quality up to 100 points, and the site assessment, which measures other factors that affect the farm's viability, up to 160 points. The total FCIR score is used as an indicator for whether proposed development will result in adverse impacts to farmland resources.

An FCIR form draft has been completed for Alternative A and would be submitted to the USDA prior to construction (**Appendix F**). The maximum possible FCIR score is 260 points. If the score is less than 160 points, no further evaluation is necessary under the FPPA. Based on a preliminary review of the Project Site, the FCIR score is not anticipated to exceed 160 points. Additionally, the 290.3 acres of the Property outside of the Project Site would remain in agricultural use, and 57.4 acres within the Project Site would be converted from row crop to orchard, thus preserving the agricultural use. In total, 347.7 acres, or 81.5 percent of the 426.7 acres of agricultural land on the Property would be preserved. Therefore, impacts to agricultural land would be less-than-significant.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to land use.

3.9 NOISE

3.9.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for noise is summarized in **Table 19** and further discussed in **Appendix A**.

Table 19. Regulatory Policies and Plans Related to Noise

| Regulation | Description |
|--|---|
| FEDERAL | |
| The U.S. Department of Housing and Urban Development | - Provides noise standards to encourage the control of noise at its source |
| The Federal Interagency Committee on Noise | - Establishes methods for assessing noise impacts |
| STATE AND LOCAL | |
| California Noise Insulation Standards | - Establishes noise limits for vehicles licensed to operate on public roads |
| County of Kings General Plan | - Identifies County goals and policies relating to allowable noise levels and noise-producing land uses |

Environmental Setting

The sound environment at the Property is dominated by traffic noise from local roadways, agricultural activities, and the adjacent Casino. Sound is measured using A-weighted decibels (dBA), which de-emphasizes frequencies below 1,000 Hertz (Hz) and above 5,000 Hz. A 3 dBA increase is the smallest change in noise level detectable to the average individual, and a change in ambient sound of 5 dBA can begin to create concern. Widely distributed noises would typically attenuate at a lower rate, approximately 3 to 6 dBA per doubling distance from the source (Caltrans, 2013a). Noise from large construction sites would have characteristics of both “point” and “line” sources. Attenuation can range between 0 and 10 dBA per doubling of distance depending on environmental conditions.

Peak particle velocity (PPV) is often used to measure vibration. PPV is the maximum instantaneous peak (inches per second) of the vibration signal. Continuous sources of vibration include construction, while transient sources include truck movements. Structural damage can occur when PPV values are 0.5 inches per second or greater. Annoyance can occur at levels as low as 0.24 inches per second and become strongly perceptible at approximately 0.9 inches per second (Caltrans, 2013b).

Ambient noise in the vicinity of the Property is influenced by through traffic along Jersey Avenue and traffic along the Casino access and Casino frontage roads. Adjacent roadways also include 17th and 18th Avenue as well as Kent Avenue. Surrounding areas are predominately agricultural. The existing Reservation is adjacent to the eastern boundary of the Property and contains tribal housing and the Casino. Vehicular traffic on Jersey Avenue contributes to noise levels in the area, with local stationary noise sources and distant California State Route 41 traffic to the west contributing to a much lesser extent.

Sensitive receptors with the potential to be impacted by the construction of Alternative A include two residences approximately 140 feet west and 50 feet east of the Property. Other sensitive receptors are approximately over 1,000 feet and over 500 feet away being the Central Union Preschool to the northwest and a residence to the northeast, respectively.

Two 24-hour noise measurements were conducted using Quest Sound Pro SE/DL sound level meters at two locations around the Property on August 19, 2020, to characterize existing ambient noise conditions. Two additional measurements were recorded on January 18, 2022. Monitoring locations are shown in **Figure 5**, and measured noise levels of all recording time periods and locations are provided in **Table 20**. An acoustical calibrator was used to calibrate the sound level meter before and after use. Instrumentation satisfies Type II noise meter requirements as defined by International Standards IEC 61672-1:2013 and as listed by the manufacturer.

Table 20. Existing Noise Levels of Surrounding Area

| Site | Monitoring Length | Average Ldn (Db) |
|------|-------------------|------------------|
| S208 | 24-Hour | 67.6 |
| S292 | 24-Hour | 71.8 |
| S301 | 24-Hour | 59.2 |
| S224 | 24-Hour | 70.3 |



SOURCE: Maxar/Vivid Aerial Photograph, 6/20/2021; Montrose Environmental, 4/8/2022

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Figure 5
Noise Monitoring Locations and Surrounding Sensitive Receptors

3.9.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Construction Noise

Table 21 shows PPV vibration levels caused by representative construction equipment, as published by the Federal Transit Administration (FTA). **Table 22** shows maximum noise levels of typical construction equipment at 50 feet. However, not all equipment listed may be used for construction. Stationary point sources of construction noise decrease at a rate between 0 and 10 dBA per doubling of distance from the source, depending on environmental conditions (Caltrans, 2013a).

Table 21. Vibration Source Levels for Construction Equipment

| Equipment | PPV at 25 Feet (In/Sec) |
|-------------------|-------------------------|
| Vibratory Roller | 0.210 |
| Large bulldozer | 0.089 |
| Caisson drilling | 0.089 |
| Loaded trucks | 0.076 |
| Jackhammer | 0.035 |
| Small bulldozer | 0.003 |
| Source: FTA, 2018 | |

Equation 7-7 from Caltrans' Technical Noise Supplement to the Traffic Analysis Protocol (Noise Supplement) was used to estimate noise levels at distances greater than 50 feet. A usage factor of 40 percent, averaged from the values provided in Table 7-2 of the Noise Supplement, along with a maximum noise level at 50 feet of 89 dB, was used in the following equation: $L_{eq}(h)$, dBA = L_{max} at 50 feet – $20\log(D/50) + 10\log(UF)$; where L_{max} at 50 feet = 89 dB; D = Distance of interest; and UF = Usage factor/fraction of time equipment is in use.

Grading and construction activities associated with the Proposed Project would be intermittent and temporary in nature over the course of less than a year. Construction activities for the Proposed Project would generally consist of standard earthmoving equipment (**Table 22**). **Table 23** shows typical noise levels of various construction activities 50 feet from the source during different construction stages. Construction noise levels at and near the Project Site would fluctuate depending on the particular type, number, and duration of uses of various pieces of construction equipment. Construction-related material haul trips would raise ambient noise levels along haul routes, depending on the precise number of haul trips made and types of vehicles used.

Table 22. Standard Construction Equipment Noise

| Type of Equipment | Maximum Level, dB at 50 Feet |
|---------------------|------------------------------|
| Backhoe | 78 |
| Compactor | 83 |
| Air Compressor | 78 |
| Dozer | 82 |
| Dump Truck | 76 |
| Excavator | 81 |
| Generator | 81 |
| Jackhammer | 89 |
| Pneumatic Tools | 85 |
| Source: FHWA, 2006. | |

Table 23. Typical Construction Noise Levels at 50 Feet from the Source

| Construction Phase | Noise Level (dBA, L_{eq})* |
|---|-------------------------------|
| Ground Clearing | 84 |
| Excavation | 89 |
| Foundations | 78 |
| Erection | 85 |
| Finishing | 89 |
| Source: Bolt, 1971 *Average noise levels correspond to a distance of 50 feet from the noisiest piece of equipment associated with a given phase of construction. L_{eq} : The equivalent sound level is used to describe noise over a specified period of time, typically one hour, in terms of a single numerical value. The L_{eq} is the constant sound level which would contain the same acoustic energy as the varying sound level, during the same time period (i.e., the average noise exposure level for the given time period). | |

The nearest sensitive receptor from where construction activities would occur is a single family residence located over 1,000 feet from the recreational stock pond. Excessive vibration is usually only an issue when construction requiring the use of equipment with high vibration levels (compactors or large dozers) occurs within 25 to 100 feet of a structure. Construction vibrations from 100 feet away would be less than 0.004 in/sec and would not be significant.

According to the Federal Highway Administration (FHWA) guidelines, a 75 dBA noise level is acceptable during construction. Maximum construction noise is estimated to be 79 dBA at 100 feet (FHWA, 2006). Given that the nearest sensitive receptor is 1,000 feet from the nearest construction noise, this threshold would not be exceeded. Additionally, construction noise impacts would be temporary over the course of less than a year, intermittent, and would occur between the hours of 7 am and 7 pm. Further reduction of construction noise impacts would occur with the implementation of BMPs outlined in **Section 2.1**. There would be a less-than-significant impact.

Operational Noise

The Proposed Project does not include project components that would generate an excessive amount of noise. Operation of the slough restoration and stock pond would not result in significant noise production, and noise associated with orchard maintenance would be similar to existing agricultural uses on and near the Project Site. The RV park is approximately 1,000 feet from the nearest sensitive receptor.

The primary source of noise in the area is generated by traffic. An increase of 3 dBA is the smallest change in noise level detectable to the average individual, and a change in ambient sound of 5 dBA can begin to create concern. Two 24-hour noise measurements were conducted on August 19, 2020, and two 24-hour noise measurements were taken on January 18, 2022 using Quest Sound Pro SE/DL sound level meters at the Property and its surroundings to characterize existing ambient noise conditions. As the ambient noise level at the entrance to the Property (**Figure 5**) is greater than 65 decibels, the Federal Interagency Committee on Aviation Noise (FICON) indicates that an increase of 1.5 dBA as a result of Project operation would be considered a significant impact (FICON, 1992). Upon the analysis of existing traffic at the intersection of 18th Avenue and Jersey Avenue, it was determined that an approximate 50% increase in peak hour vehicle trips on Jersey Avenue would be necessary to cause a detectable increase in the ambient noise level (Caltrans, 2013a). Alternative A would result in an approximate increase of 23% in peak hour vehicle trips on local roadways. Therefore, no audible increase in the ambient noise level would occur. Alternative A would not increase the existing ambient noise level (66 dBA) beyond the FICON guideline. There would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to noise levels.

3.10 PUBLIC SERVICES

3.10.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for public services is summarized in **Table 24** and further discussed in **Appendix A**.

Table 24. Regulatory Policies and Plans Related to Public Services

| Regulation | Description |
|------------------------------|--|
| FEDERAL | |
| Assembly Bill 939 | - Dictates the management of non-hazardous solid waste |
| STATE AND LOCAL | |
| County of Kings General Plan | - Identifies County plans and goals related to waste disposal and public utilities |

Environmental Setting

Electricity to the region is provided by PG&E. Gas services are provided by Southern California Gas Company (SCGS, 2020). Mid Valley Disposal also provides refuse and recyclable collection for the Tribe, transferring waste to the Kingsburg Transfer Station approximately 22 miles northeast of the Property.

Police protection is provided by the Kings County Sheriff's Department. The Kings County Fire Department (KCFD) and the California Department of Forestry and Fire Protection (CalFire) provide primary fire protection and emergency medical services to the unincorporated areas of Kings County, including the Property. Medical facilities include public and private clinics, care facilities, and medical offices. The nearest hospital services are located in Hanford, CA. The KCFD also serves as the Office of Emergency Management (OEM) for all of Kings County. This emergency management agency is responsible for coordinating responses to complex, large-scale emergencies and disasters within Kings County (Kings County, 2022b).

3.10.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Water and Wastewater

Water is already available via existing groundwater wells located on the adjacent Rancheria, and water demand would not significantly change. Wastewater generation associated with the recreational fishing pond, RV park, and orchard would increase under Alternative A when compared to existing conditions, primarily associated with the RV park. Alternative A would connect to the Tribe's existing wastewater system for the Casino on adjacent trust land. The existing wastewater system is sufficient to handle existing resource demands in addition to Alternative A. An appropriately sized dump station would be installed to service the RV park to collect wastewater prior to transportation via underground piping to the existing wastewater system. The Casino's existing WWTP has a capacity of 500,000 gpd, with an average existing flow of 386,100 gpd. During peak flows, approximately 50 percent of the existing drying beds are utilized. There would be sufficient existing capacity to accommodate the wastewater flows of the Proposed Project (Tachi-Yokut Tribe, 2020). There would be a less-than-significant impact.

Solid Waste

Impacts associated with solid waste during construction would be temporary and less-than-significant. Solid waste and recycling produced during operation of Alternative A would be contracted through the Mid Valley Disposal. Mid Valley Disposal provides solid waste collection services to areas in five different counties. Solid waste generated by Alternative A would be comparable to the amount generated by similar-sized commercial developments in the surrounding area, and less than high-density housing present within the service area for Mid Valley Disposal. Mid Valley Disposal transfers waste primarily to the Visalia Landfill and American Avenue Landfill. The most recent capacity report for the Visalia Landfill estimated that the landfill would reach capacity in 2024 (Calrecycle, 2014). However, according to the 2021 Landfill Tonnage Report, the Visalia Landfill only took in an average of 780.3 tons per day, which is approximately 39.0 percent of the landfill's permitted allowance of 2,000 tons per day (Calrecycle, 2021). The most recent capacity report for the American Avenue Landfill estimated that the landfill would reach capacity in 2031 (Calrecycle, 2005). According to the 2021 Landfill Tonnage Report, the American Avenue Landfill took in an average of 1,574.5 tons per day, which is approximately 75.6 percent of the landfill's permitted allowance of 2,200 tons per day (Calrecycle, 2021). Inclusion of the Property would not significantly increase the amount of collected solid waste and would not exceed the capacity of existing landfills. There would be a less-than-significant impact.

Electricity and Natural Gas

Electrical infrastructure is currently already available on the Property through PG&E. Alternative A would utilize existing electrical services already available on-site and would not significantly increase electrical demands compared to regional electrical use supplied by PG&E.

There is also the potential for natural gas services to be utilized under Alternative A. Natural gas services would be provided by Southern California Gas Company. While demands for natural gas would be low, should Southern California Gas Company determine that there is not capacity to serve the Property, Alternative A would rely solely on electricity. There would be a less-than-significant impact.

Public Safety

The Kings County Sheriff's Department provides police services to the unincorporated areas of Kings County, and KCFD and CAL FIRE provide primary fire protection and emergency medical services to the Property, Rancheria, and surrounding vicinity. Additionally, the Tachi Yokut Department of Public Safety offers public safety services for the Tribe through its Officers and Dispatchers.

Due to the nature of the development and resulting land use, the Proposed Project would not result in a significant increase in demands associated with the police or fire departments. The RV park would increase the potential demand for public services, however, calls for service would not be disproportionate to other similar development around the County, including large residential development discussed in **Section 3.14**. The Project Site is not in an area classified as a Fire Hazard Severity Zone, and construction-related impacts would not be different from similar development around the County. Structures would adhere to the equivalent of state building codes. Applicable fire protection features would be incorporated into the design of the Proposed Project. BMPs listed in **Section 2.1** would be implemented to reduce fire risk. There would therefore be a less-than-significant impact.

Emergency Medical Services

The County's medical facilities include clinics, care facilities, and medical offices. The nearest hospital services are located in Hanford. Hanford Community Medical Center and Central Valley General Hospital provide 24-hour emergency medical facilities. KCFD and CalFire would conduct emergency medical transport. Because there are two emergency facilities in nearby Hanford, and new demands would be minimal, the increased demand for emergency medical services would not be significant. There would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to public services.

3.11 HAZARDOUS MATERIALS

3.11.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for hazardous materials is summarized in **Table 25** and further discussed in **Appendix A**.

Environmental Setting

A material is considered hazardous if it appears on a list of hazardous materials prepared by a federal, state, or local agency, or if it has characteristics defined as hazardous by such an agency. A site may be listed on a hazardous materials database and still be compliant with federal, state, and local laws. Many database listings are from appearances in a regulatory database and not in connection with a hazardous release.

Table 25. Regulatory Policies and Plans Related to Hazardous Materials

| Regulation | Description |
|---|---|
| FEDERAL | |
| Resource Conservation and Recovery Act | – Dictates management of hazardous solid waste from creation to disposal |
| Toxic Substances Control Act | – Requires reporting, recordkeeping, testing requirements, and restrictions related to hazardous materials |
| Comprehensive Environmental Response, Compensation, and Liability Act | – Provides funds to clean up uncontrolled, closed, or abandoned hazardous waste sites |
| STATE AND LOCAL | |
| California Environmental Protection Agency | – Develops, implements, and enforces laws that regulate air, water, and soil quality, pesticide use, and waste recycling and reduction |
| California Code of Regulations, Title 22, Division 4.5 | – Addresses off-Reservation environmental and public health standards for the management of hazardous waste |
| California Health and Safety Code, Division 20, Chapter 6.95 | – Requires off-Reservation businesses to plan and prepare for a chemical emergency through the preparation of a Hazardous Materials Inventory and a Hazardous Materials Business Plan |

A material is considered hazardous if it appears on a list of hazardous materials prepared by a federal, state, or local agency, or if it has characteristics defined as hazardous by such an agency. A site may be listed on a hazardous materials database and still be compliant with federal, state, and local laws. Many database listings are from appearances in a regulatory database and not in connection with a hazardous release.

The USEPA and U.S. Department of Transportation are the principal agencies that regulate the generation, transportation, and disposal of hazardous materials. The Property was assessed for potentially hazardous materials contamination on August 17-19, 2020 and in January 2022. The assessments included site reconnaissance inspections and historical reviews to identify any potential Recognized Environmental Conditions (RECs), Controlled Recognized Environmental Conditions (CRECs), and Historical Recognized Environmental Conditions (HRECs) on the Project Site.

Regulatory agency database searches were conducted to identify sites that may have the potential to affect surface and subsurface conditions within the Property. Detailed findings and conclusions are provided in the Phase I Environmental Site Assessment (ESA) report (**Appendix G**). The Property was surveyed for a Phase I ESA in August 2020 and again in January 2022 for the release of any petroleum-based products or other RECs. No RECs, HRECs, or CRECs were identified on the Property, and the Property is not subject to engineering controls or land use restrictions related to hazardous materials involvement. Surrounding properties were reviewed and found not to pose a threat to the environmental integrity of the Property.

3.11.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

Incidents associated with hazardous materials that could occur during construction include the accidental release of fuels, oil, and grease associated with the operation of construction equipment, as well as

accidental releases associated with handling and transferring hazardous material-containing substances. Typical construction management practices limit the incidence of such accidental releases.

In addition, the Clean Water Act requires that stormwater management BMPs be implemented during construction. BMPs in **Section 2.1**, including Adherence to a SWPPP, would ensure that the potential for accidental releases of hazardous materials would be minimized and that impaired water would not flow off the Project Site during a storm event. Small quantities of cleaning materials, solvents, pesticides, herbicides, fuels, and paints may be stored and used as a result of the Proposed Project.

These materials are common to most commercial operations and do not pose an unusual or substantial threat to public health and safety because of the relatively small quantities involved. Proper handling and storage of these materials would not result in significant adverse effects. There would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact related to hazardous materials.

3.12 VISUAL RESOURCES

3.12.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for visual resources is summarized in **Table 26** and further discussed in **Appendix A**.

Table 26. Regulatory Policies and Plans Related to Visual Resources

| Regulation | Description |
|-------------------------------|---|
| FEDERAL | |
| National Scenic Byway Program | – Identifies scenic byways and acceptable development within associated viewsheds |
| STATE AND LOCAL | |
| State Scenic Highways | – Regulates development near highways designated as scenic |
| Kings County Zoning Ordinance | – The County's zoning code identifies acceptable land uses consistent with the existing aesthetic of the County |
| Kings County General Plan | – Identifies the County's plans and goals related to aesthetic resources |

Environmental Setting

The Property is zoned under Kings County Code as Agriculture and has a land use designation of AG20 (General Agriculture) in the Kings County General Plan. A portion of the Property is also within the DDOZ. Surrounding lands are also zoned and designated for agricultural purposes, with the exception of the adjacent Rancheria, which is held in federal trust by the Tribe and is not subject to County zoning and land use designations. The adjacent Rancheria supports the existing Casino and residential housing. The visual character of the surrounding area is largely rural and agricultural in nature, with the exception of the

Rancheria, which is immediately adjacent to the eastern boundary of the Property. Nighttime lighting in the immediate vicinity of the Property is generally limited to the Rancheria.

A vista is a visual corridor that is scenic in nature, pleasing to the public eye, and often interrupted to some extent by landscaping or buildings. A viewshed is comprised of one or more vistas. Scenic corridors and highways are major routes of travel that offer tourists scenic views. Viewshed photos of the Property are shown in **Figure 6**, and site photos are provided in **Figure 7**. Major roadways that offer visuals of a property to passing motorists are the standard for assessing viewshed impacts. Duration of views is dependent on traffic conditions, vehicle speed, obstruction by buildings or landscaping, and direction of travel.

Significant views of the Property are afforded by Jersey Avenue, which bounds the Property to the north and offers unobstructed views of the Project Site. A portion of 18th Avenue borders the southwestern portion of the Property and offers unobstructed views of the Project Site. Kent Avenue bounds the southern portion of the Property and also offers passing motorists unobstructed views of the Project Site. Limited views of the Property are available from 17th Avenue, but are largely obstructed by existing development on the Rancheria. The posted speed limit of rural roads in the vicinity of the Property 55 miles per hour, except in areas of denser residential, where speed limits drop to as low as 25 miles per hour.

The nearest state designated scenic highway is State Route 198, which is designated as a scenic highway 21.6 miles east of the Project Site (east of Interstate 99) and 26.6 miles west of the Project Site (west of Interstate 5) (Caltrans, 2022). There are seven federally-designated scenic byways in the state of California, none of which are in the vicinity of the Project Site (FHWA, 2022). The County's General Plan identifies visual resources along State Routes 41 and 33. These roadways are not in the vicinity of the Property and do not offer views of the Project Site. The General Plan also considers general visual character of significant viewsheds in the County, such as waterways, the foothills, coastal range, and valley oak woodlands (Kings County, 2010).

3.12.2 ENVIRONMENTAL CONSEQUENCES

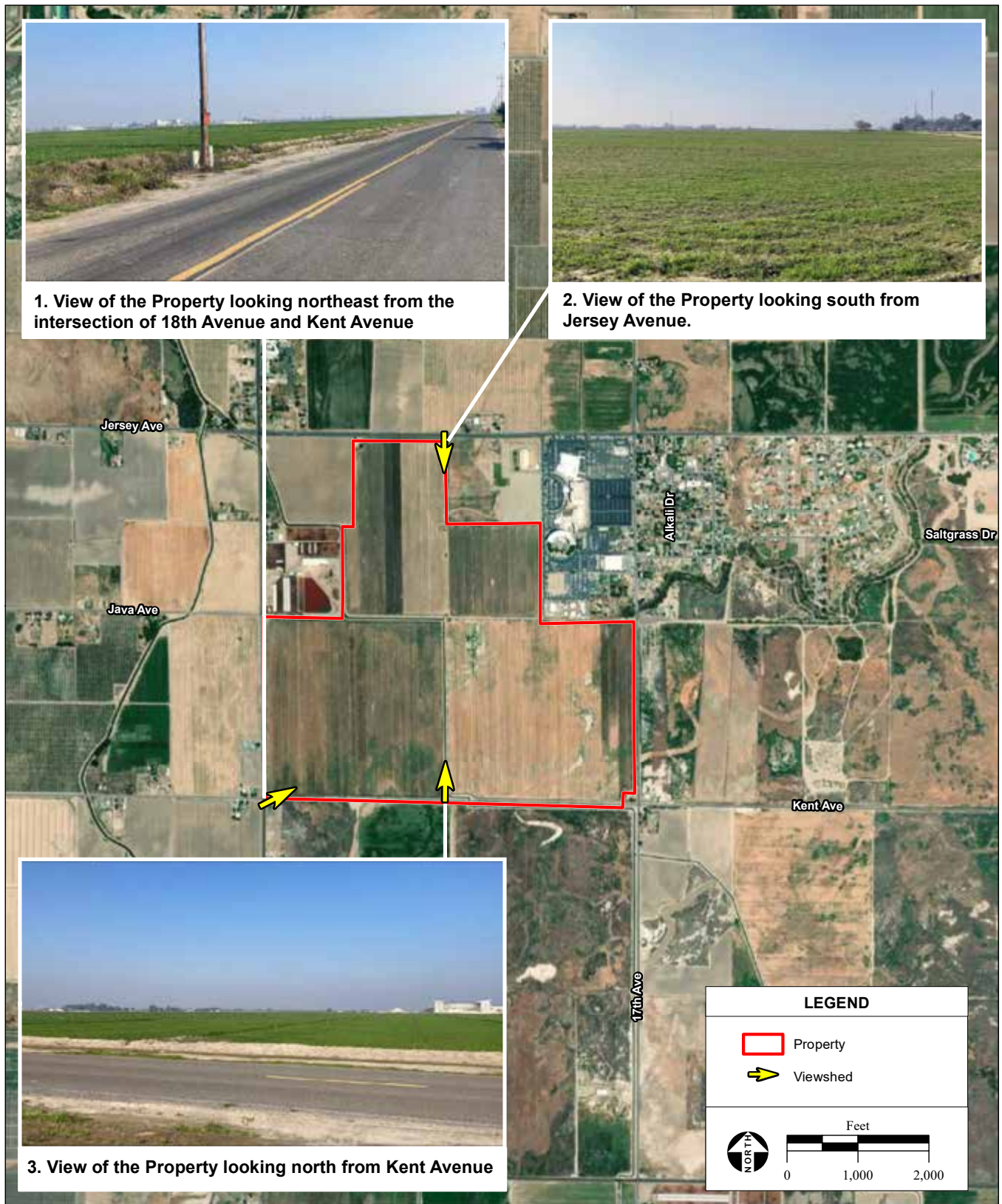
Alternative A

Impacts related to visual resources would be considered significant if the Proposed Project were to substantially alter or interrupt locally important scenic vistas, introduce visual elements that would conflict with the County's community design, or create sources of inappropriate or excessive glare or nighttime illumination. As discussed above, there are no state or federal scenic highways or byways that offer views of the Project Site. Additionally, the Project Site is not within an area designated as a scenic vista, or viewable from a scenic roadway as determined by the County's General Plan. Therefore, these resources would not be impacted.

The overall viewshed of the vicinity is a mixture of agriculture and development. Agricultural activities within the viewshed include row crops and dairy production. Development within the viewshed is largely limited to the Rancheria and existing Casino and residences. Agricultural lands are considered an important open and scenic landscape in the County's General Plan. Alternative A would not be subject to local development regulations after acquisition into trust. Agricultural land uses under the Proposed Project would be mostly consistent with existing zoning, with the exception of the RV park. However, the RV park would be adjacent to the existing Rancheria, which contains the Casino, gas station, and residential development. The RV park would therefore not interrupt views or visually conflict with the County's community design. The majority of the Property under Alternative A would remain in agricultural production and would be keeping with the character of the existing landscape. The installation of an

orchard and fishing pond would maintain agricultural use of the land and would not alter the agricultural landscape.

The RV park would also be adjacent to existing development and would only be visible to passing motorists along 17th Avenue and Kent Avenue, where the existing Rancheria would either partially obstruct or would be viewed adjacent to the RV park. Finally, the Proposed Project would restore the on-site slough, thus improving the vista along 17th Avenue and Kent Avenue by restoring the habitat in and around the historic slough route.



SOURCE: Vivid Maxar Aerial Photograph, 4/4/2021;
Montrose Environmental, 4/7/2022

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Figure 6
Viewsheds for the Gilcrease Property



PHOTO 1: Irrigation ditch and associated infrastructure on the Property.



PHOTO 2: Representative photo of the Project Site.



PHOTO 3: Representative photo of the Project Site.



PHOTO 4: Historic slough area within the slough restoration area.

As the Proposed Project would generally maintain agricultural use of the site, would restore the on-site slough, and would only develop the area immediately adjacent to the existing Casino, the viewsheds surrounding the Project Site would not be significantly altered.

As discussed in **Section 2.1**, BMPs include design features that would ensure outdoor lighting will be limited to downcast/shielded lights that would not overspill the Property. Lighting would generally not be necessary on site except to provide illumination of roadways, or similar lighting for safety purposes. This would not create excessive glare or significant nighttime illumination. No structures would be constructed on site as part of the Proposed Project, with the exception of public restrooms and two small office structures. Additionally, BMPs discussed in **Section 2.1** would be incorporated in Project design to further reduce visual impacts. There would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to visual resources.

3.13 RECREATIONAL RESOURCES

3.13.1 AFFECTED ENVIRONMENT

Regulatory Setting

The regulatory setting for visual resources is summarized in **Table 27** and further discussed in **Appendix A**.

Table 27. Regulatory Policies and Plans Related to Recreational Resources

| Regulation | Description |
|---------------------------|---|
| STATE AND LOCAL | |
| Kings County General Plan | – Identifies the County's plans and goals related to recreational resources |

Environmental Setting

There are limited recreational facilities in the immediate vicinity of the Property due to the dominance of privately-held agricultural lands surrounding the Property. The main recreational resource near the Property is the adjacent Casino. Other recreational developments nearby are largely associated with the City of Lemoore and include a water ski park, vehicle raceway, neighborhood parks, a golf course, and a sports complex. Undeveloped recreational areas, such as wildlife refuges, national forest land, or similar areas that would provide outdoor recreational activities such as hiking, kayaking, and wildlife viewing are limited. Individuals seeking undeveloped recreational resources would have to leave the area.

3.13.2 ENVIRONMENTAL CONSEQUENCES

Alternative A

The Proposed Project would introduce a new source of recreation to the area through the development of an RV park, construction of a pond, and restoration of the historic Mussel Slough. Recreational activities would include water sports such as swimming, fishing, and kayaking. Park-like facilities such as picnic benches and barbeque pits would also be available in the park space adjacent to the pond and slough. Construction and operation of the Proposed Project would be constrained to the Project Site.

There are currently no recreational activities present on the Property. Additionally, the Proposed Project does not include components that would prevent public access to off-site recreational opportunities, nor would it preclude future development of recreational resources in the future.

It is anticipated that visitors to the Project Site would likely patronize the Casino, as it is within walking distance of the Project Site. There is limited potential for visitors to the RV park to patronize other recreational opportunities nearby, such as the vehicle raceway park, nearby restaurants, and other entertainment venues associated with the nearby City of Lemoore. However, this increase would be small as the Proposed Project and adjacent Casino would meet recreational demands of visitors by providing lodging, outdoor activities and park space, entertainment, gaming, and food. Potential minimal increases to existing recreational facilities would be spread over several miles and would not occur at levels that would degrade existing facilities, require modification to existing facilities, or necessitate the construction of new recreational resources. This would be a less-than-significant impact.

Alternative B

Under the No Action Alternative, additional land would not be placed into trust for the benefit of the Tribe and the Property would remain in its current state. Therefore, there would be no impact to recreational resources.

3.14 CUMULATIVE AND GROWTH-INDUCING EFFECTS

3.14.1 CUMULATIVE EFFECTS

Cumulative impacts are defined as the effects “on the environment which result from the incremental effect of the action when added to other past, present, and reasonably foreseeable future actions” (40 CRF Sec. 1508.7). The purpose of cumulative analysis is to ensure that incremental consequences of the Proposed Project are evaluated and acknowledged. Development projects in the area of the Property have been considered for the cumulative impact analysis, and are described below.

1. The City of Lemoore has implemented a Water Treatment Plants Project (CEQAnet, 2019) to address elevated levels of total trihalomethane in the City’s drinking water. Two water treatments plants at Well Sites 7 and 11 are being installed to meet California drinking water standards. The project commenced in November 2019 (City of Lemoore, 2019). A CEQA Initial Study/Mitigated Negative Declaration associated with this project determined that, although the project could have a significant effect on the environment, there will not be a significant impact with mitigation, and therefore a Mitigated Negative Declaration was prepared.
2. The Lacey Ranch Area Master Plan Project is a residential community development project to build 825 housing units across 156-acres of agriculture land north of the City of Lemoore. The community will be a mix use of single-family and multi-family units. An Initial Study was prepared for the project that determined an Environmental Impact Report was necessary (Crawford & Bowen, 2020). An EIR has not yet been completed. Development could result in the construction of over 800 residential units. Phase I planning is anticipated to begin in 2022.
3. Lennar Homes Tract 848 is a planned residential subdivision on the corner of Bush Avenue and College Avenue with a total of 362 single-family homes across approximately 54.1 acres. The community will be a mix of Neighborhood Commercial, Public Recreation, Low, Low-Medium, and Medium land uses. The project requires a General Plan Amendment, Major Site Plan Review, Planned Unit Development, and Zone Change (Quad Knopf, 2020). An Initial Study/Mitigated Negative Declaration associated with this project has been adopted.

4. The Tribe intends to develop a commercial center and tribal museum on land adjacent to the north of the Property. The commercial center would be approximately 15,000 sf, and the tribal museum would be approximately 10,000 sf.

Additionally, BMPs listed in **Section 2.1** and mitigation measures listed in **Section 4.0** would reduce impacts on an individual level that could foreseeably contribute to future incremental effects. Alternative B, as the No Action alternative, would not result in foreseeable impacts to the environment and therefore would not generate cumulative impacts. Therefore, only Alternative A is discussed below.

Land Resources

The Project Site is relatively level and development would not significantly alter the topography of the site, with the exception of the slough restoration and pond construction. The slough restoration would improve the nearby drainage by re-establishing a historical natural drainage to pre-development conditions. Other portions of Mussel Slough have already been restored to natural conditions. The restoration would be designed by licensed professionals to ensure bank stability, and native vegetation would be used along the banks. The pond would be in line with the slough and would be designed with infrastructure to maintain the amount of water drawn and held from the slough. Construction would be performed pursuant to a SWPPP, which would ensure off-site water quality thresholds would not be exceeded. Off-site topography and drainage would not be impacted.

Principal effects to land resources associated with future development in the vicinity of the Project Site would consist of localized topographical changes on fairly flat land, contained areas of potential soil erosion, and limited potential water quality impacts. Cumulatively considered projects are within areas that are relatively flat and are anticipated to pose minimal threat to land resources. Local permitting requirements for construction would address regional geotechnical, seismic, or mining hazards. As discussed within **Section 3.1** and **2.1**, the project would adhere to the equivalent of California Building Code standards and would not impact off-site land. It is anticipated that other approved projects would follow appropriate permitting procedures and regulatory requirements; therefore, Alternative A would not result in cumulatively considerable adverse effects to land resources.

Water Resources

Wastewater treatment would occur via the existing WWTP on the adjacent Rancheria and would not result in cumulative impacts. Similarly, the Project Site is outside of the 100- and 500-year floodplains and would not alter drainage off the Property. The Property is in a subbasin which has been identified by DWR as critically overdrafted and a high priority for achieving sustainable groundwater management. On a cumulative basis, pumping of an estimated 2,227,217 AF of groundwater since 2015 has resulted in a loss of approximately 199,186 AF of groundwater storage in the Subbasin. Due to the deficit in water supply, 102,668 AF of water was imported in 2020 from the State Water Project (SWP) and adjacent Tule and Kaweah basins. Over a 6-year span, an average of 94,804 AF of water was imported to the region (SFK, 2021).

The Proposed Project would require 486.8 AF of water during the first year of operation followed by an annual demand of 375.2 AF. As discussed in **Section 3.2**, this level of water demand is within the approximate water demand of existing demands for current agricultural operations, even without considering recycling of water treated at the existing WWTP.

Therefore, the Proposed Project would account for approximately 0.1 percent of groundwater demand in the region during the first year of operation and 0.08 percent of groundwater demands for subsequent

years. This demand falls within existing water supply demands of the Project Site and would therefore not generate an increase in water demand to the Property. Additionally, there would be a reduction in water use over time as the Proposed Project is within five AF of the low end of current water demands and would represent a saving of several hundred AF of water when compared to years of alfalfa production. As water demands under the Proposed Project would be within the range of existing water demands and would result in a long-term reduction of water use, there would be no cumulative impact to water supply.

The Proposed Project and other foreseeable projects in the vicinity would be required to comply with the CWA as it relates to stormwater and point-source discharges. Compliance with USEPA and/or State stormwater pollution prevention requirements will prevent cumulative development from resulting in cumulatively significant impacts associated with water resources. Cumulative development would similarly be required to comply with the CWA to avoid downstream or groundwater impacts. Therefore, impacts associated with water resources related to the CWA would not be cumulatively significant.

Air Quality and Climate Change

Past, present, and future development projects contribute to a region's air quality conditions on a cumulative basis; therefore, by its very nature, air pollution is largely a cumulative impact. If a project's individual emissions contribute toward exceedance of the NAAQS, then the project's cumulative impact on air quality would be significant. In developing attainment designations for criteria pollutants, the EPA considers the region's past, present, and future emission levels. Additionally, as shown in **Table 28**, combined operational emissions of criteria pollutants from Alternative A and the anticipated development on the Tribe's adjacent property (identified as cumulative project 4 above) would be considerably less than *de minimis* levels for Alternative A.

Table 28. Unmitigated Operational Emissions – Cumulative

| Source Category | Pollutants of Concern (Tons Per Year) | | | | | |
|--|---------------------------------------|-----------------|-------------|-----------------|-------------|-------------|
| | ROG | NO _x | CO | SO _x | PM10 | PM2.5 |
| Alternative A | 1.56 | 1.14 | 7.18 | 0.02 | 1.32 | 0.55 |
| Proposed Commercial Center | 0.40 | 0.48 | 2.26 | 0.00 | 0.44 | 0.12 |
| Cumulative Total | 1.96 | 1.62 | 9.44 | 0.02 | 1.76 | 0.67 |
| <i>De Minimis level</i> ² | 10 | 10 | N/A | N/A | N/A | 70 |
| Exceeds Thresholds | No | No | N/A | N/A | N/A | No |
| N/A = not applicable; unclassified threshold Source: CalEEMod 2020.4.0; USEPA, 2016; AES, 2022. See Appendix C for full results. | | | | | | |

On February 19, 2021, pursuant to federal Executive Order (EO) 13990, *Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis*, the CEQ rescinded its 2019 *Draft NEPA Guidance on Consideration of Greenhouse Gas Emissions* and is reviewing, for revision and update, the 2016 *Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews*. In the interim, EO 13990 directs agencies to consider all available tools and resources in assessing GHG emissions and climate change effects of their proposed actions, including the 2016 GHG Guidance. To assess impacts, the 2016 GHG Guidance states that federal agencies should quantify direct and indirect emissions of projects with the level of effort being proportionate to the scale of the emissions relevant to the NEPA review.

Accordingly, this analysis includes a quantification of GHG emissions resulting from the project alternatives and a discussion of how applicable measures can reduce GHG emissions and similarly reduce climate impact on disadvantaged communities.

The 2014 Final Regional Climate Action Plan prepared by KCAG estimated that to reach the State Assembly Bill (AB) 32 goal of fifteen percent emissions reduction from 2005 levels by 2020, approximately equivalent to 1990 levels, the region would need to emit no more than approximately 889,783 MT CO₂e (KCAG, 2014). With an expected service population (SP, employees plus residents) in 2020 of approximately 221,013 people, the SP emissions threshold for 2020 would be 4.03 MT CO₂e/SP/year (KCAG, 2014). Senate Bill (SB) 32, the California Global Warming Solutions Act, passed in 2016, increased the ambition of the statewide emissions reduction target to 40 percent below 1990 levels by 2030. Therefore, the region's fair share of emissions reduction to meet the statewide goal for 2030 is approximately 40 percent below that for 2020: 533,870 MT CO₂e total, or 2.42 MT CO₂e/SP/year.

Due to statewide increases in energy efficiency and fuel standards, it is anticipated that cumulative emissions in 2030 would be less than those in the buildout year 2023. Emissions were modeled for the year 2030 in line with SB 32, and are considerably less than *de minimis* levels for Alternative A. Therefore, the Proposed Project in 2030, when considered in combination with other planned and reasonably foreseeable future actions, would not result in significant changes in SJVAB's designations for CAPs.

Climate Change

Table 29 shows unmitigated construction and operational GHG emissions of Alternative A in 2030. Carbon dioxide (CO₂) is the most prevalent GHG and, as discussed in **Section 3.3**, is used as a measurement standard (CO₂e). Emissions were quantified using CalEEMod 2020.4.0. Construction emissions were amortized over a period of 30 years, the average Project operational life, based on South Coast Air Quality Management District (SCAQMD) guidance and common practice (SCAQMD, 2008). While there is no federally established GHG emissions threshold, for informational purposes, emissions were compared with the KCAG regional GHG emissions threshold for 2030—adjusted for SB 32 as noted above—of 533,870 MT CO₂e or 2.42 MT CO₂e/SP/year. Unmitigated construction and operational GHG emissions of Alternative A are shown in **Table 29**.

Alternative A would generate per service population annual emissions greater than the KCAG emissions threshold. Service population of each alternative is based on the total trip generation discussed in **Section 3.7** and includes employees and transitory customers or visitors, who produce the majority of operational emissions due to mobile sources. No final, quantified federal GHG emissions threshold has been established.

BMPs listed in **Section 2.1** would reduce potential impacts associated with climate change, and Alternative A would promote mixed-use development in Kings County, in line with the goals of SB 743. Therefore, Alternative A would not have a cumulatively significant impact on climate change.

Living Resources

The Property is already developed for agricultural uses and is immediately adjacent to existing development and public roadways. Manmade irrigation ditches were also observed on the Property. Critical Habitat is not present on the Project Site. These habitat types are not considered sensitive and would therefore not contribute to potentially cumulative impacts to sensitive habitats.

Table 29. Unmitigated Operational GHG Emissions in 2030

| Emissions Category | GHG Emissions (Mt/Year) |
|--|--------------------------------|
| Construction ¹ | 21.73 |
| Operations | |
| Area | 104.46 |
| Energy | 205.74 |
| Mobile ² | 459.90 |
| Waste | 36.07 |
| Water | 22.88 |
| Total Emissions³ | 850.79 |
| Service Population (SP) ⁴ | 258 |
| Emissions per SP⁵ | 3.30 |
| KCAG SP Operation Threshold | 2.42 |
| Exceeds Thresholds | Yes |
| MT = metric tons; N/A = not applicable ¹ 326 MT amortized over 30 years ² To provide a conservative analysis, mobile emissions were not adjusted to reflect the trip reductions discussed in Section 3.7 . ³ MT CO ₂ e/yr ⁴ Service population was estimated based on the total trip generation divided by three, to account for in and out trips by patrons and employees. ⁵ Total emissions per service person in MT CO ₂ e/SP/yr. Sources: CalEEMod 2020.4.0; SCAQMD, 2008; KCAG, 2014. Appendix C | |

There is minimal potential for special-status species to occur on the Project Site. BMPs incorporated into project construction and design (**Section 2.1**) as well as mitigation measures (**Section 4.1**) will reduce impacts to biological resources to a less-than-significant level by avoiding potential impacts and confining activities to the Project Site. Projects in the cumulative environment would result in similar impacts to biological resources via land use conversion and construction, and the County would require other projects to comply with federal, State, and local regulations and ordinances to reduce cumulative impacts to biological resources to less-than-significant levels. Other projects on non-tribal land would be required to implement similar site-specific mitigation in accordance with CEQA. Therefore, the Proposed Project would not result in cumulatively considerable impacts to biological resources.

Cultural Resources

Site P-16-34 appears to include values that would make it eligible for listing on the NRHP. Development under Alternative A includes potential restoration of a portion of Mussel Slough which crosses the area where Site P-16-34 has been mapped both north and south of Kent Avenue, and additional cultural or paleontological resources may be discovered during construction. Identification, evaluation, and protection measures for these resources have been included in **Section 4.2** to reduce adverse effects to cultural or paleontological resources to a less-than-significant level. As other regional projects would be subject to similar regulatory requirements, implementation of project-specific mitigation would similarly reduce construction impacts to a less-than-significant level. Therefore, there would be no cumulatively considerable adverse effects to cultural or paleontological resources as a result of Alternative A.

Socioeconomic Conditions

The Proposed Project would not result in regional population growth or subsequent increases in housing demand. Employment opportunities during construction would be temporary and are anticipated to be filled by the local workforce. Similarly, operation of Alternative A would require a minimal number of staff that is anticipated to be filled by the local workforce. This would provide an insignificant amount of employment opportunities within an area considered a minority community, and would therefore provide a less-than-significant and beneficial impact to minority communities.

Cumulative development projects would introduce a significant amount of housing in the region. Development of new residential communities have been considered within General or Specific Plans, and the mixed-use nature of the development would balance increase in housing with increase in local employment opportunities. Planning documents for the region would continue to designate land uses for businesses, industry, and housing, as well as plan public services that would anticipate and accommodate growth. Given the comparatively low employment demand of the Proposed Project and regional planned development documents, Alternative A would not contribute to a significant cumulative impact to socioeconomic conditions.

Transportation Networks

As described above, all roadways in the vicinity of the Property are forecasted to continue to operate acceptable under buildout of the County's 2035 General Plan. The Proposed Project, in combination with the anticipated development on the Tribe's adjacent property (identified as cumulative project 4 above), would not result in a substantial increase in traffic, and would not cause a significant change to the roadway's level of service. Additionally, the cumulatively considerable projects in the vicinity of the Property are not expected to result in increases in traffic on Jersey Avenue, which will serve as the primary access road for the Property. Therefore, the Proposed Project would not result in indirect or cumulative growth impacts that would facilitate additional traffic. There would be a less-than-significant impact.

Land Use and Agriculture

If acquired into trust, the Property would not be subject to local jurisdictions regarding land uses. Cumulatively considerable projects, however, would be subject to local land use regulations. A majority of the project would be related to agricultural activities and placement of infrastructure such as access drives, which are consistent with the Property zoning and land use designations. The RV park would generally be inconsistent with the Property's land use and zoning designation and would remove a cumulatively insignificant amount of agricultural land. However, the RV park would be immediately adjacent to existing commercial and residential development and would therefore be consistent with immediately adjacent land use and development. Development would not occur until after the Property is taken into trust. The Proposed Project would not preclude land use consistent with zoning and land use designations of nearby properties. Therefore, Alternative A would have a less-than-significant cumulative impact as it relates to land use and agriculture.

Noise

Approved projects in the County would be required to comply with applicable noise regulations during construction and operation. Construction of the Proposed Project would be temporary over the span of

less than a year and limited to daylight hours and would therefore not generate a cumulative impact to the noise environment.

As the Proposed Project and the anticipated development on the Tribe's adjacent property (identified as cumulative project 4 above) would not result in population growth, traffic volumes, and therefore traffic-related noise, would not be increased by the projects. Operational noise would be limited to the operation of an RV park, orchard, and stock pond. These activities do not generate noise beyond acceptable levels. Additionally, the nearest sensitive receptor is at least 200 feet from the Project Site and would not be significantly impacted by the Proposed Project. Therefore, with the implementation of BMPs outlined in **Section 2.1.7**, Alternative A would not result in cumulatively considerable impacts to the ambient noise environment.

Public Services

Demand for public services increased under Alternative A, but accommodated by existing and planned public services associated with anticipated regional growth and development. Water and wastewater utilities would be managed by existing infrastructure on the Rancheria and therefore would not contribute to cumulative public demands for these services. An electrical connection is already present on the Property, and would not require additional infrastructure to service the Proposed Project. The Proposed Project does not include components that would generate an abnormally high demand on other public services such as police and fire services, and would not cause the cumulative development environment to exceed anticipated development levels of the region. As development of Alternative A and other future projects in the area continues, the combined need for public services may result in cumulatively considerable impacts. However, future land uses in the region would be subject to approval by local governments and would include provisions associated with public services. As a result, Alternative A would not result in significant cumulative impacts to public services.

Hazardous Materials

Foreseeable projects in the vicinity of the Proposed Project would be required to comply with federal, state, and local regulations concerning hazardous materials. Use of hazardous materials during construction would be temporary and limited to standard construction materials that do not pose a significant threat when handled properly. Operational use of hazardous materials would be limited to common landscaping and maintenance substances, such as fertilizers and paint. These would be maintained on site in limited quantities and would not generate the potential for a cumulatively considerable impact. With the implementation of BMPs outlined in **Section 2.1**, no cumulatively considerable adverse impacts related to hazardous materials would occur as a result of Alternative A.

Visual Resources

Through local jurisdictional approval, cumulative development would be consistent with local land use regulations. The Project Site is not visible from scenic roadways and is not within an identified scenic vista. Views of the Project Site are generally limited to motorists passing along Kent and 17th Avenues. These views include existing commercial development on the immediately adjacent Reservation. The Casino obstructs views of the Project Site to the east of the Property. Cumulatively considered projects are not within view of the Project Site and would therefore not contribute to cumulative impacts to a viewshed. Lighting would be designed so as not to overspill the Property, and would not create nighttime lighting or glare. Therefore, Alternative A in combination with other development projects would not significantly alter scenic resources or the visual setting, interrupt or substantially alter local views, or create sources of glare or excessive nighttime illumination. With implementation of BMPs regarding lighting outlined in

Section 2.1, implementation of Alternative A would not result in cumulatively considerable effects to visual resources.

3.14.2 INDIRECT AND GROWTH-INDUCING EFFECTS

Under NEPA, indirect and growth-inducing effects of a Proposed Project must be analyzed (40 CFR §1508.8[b]). CEQ Regulations define indirect effects as effects that are caused by the action and are later in time or further removed in distance, but are still reasonably foreseeable. Growth-inducing effects are defined as effects that foster economic or population growth, either directly or indirectly. Direct growth inducement could result, for example, if a project included the construction of a new residential development. Indirect growth inducement could result if a project established substantial new permanent employment opportunities (e.g., new commercial, industrial, or governmental enterprises) or if it removed obstacles to population growth.

Indirect Effects

Indirect effects may include changes in land use, population density, and related effects on natural systems (40 CFR Sec. 1508.8). Implementation of the Proposed Project would require minor onsite roadway improvements, such as access drives and paved parking lots. Water and wastewater would be provided by an existing on-site groundwater well, and wastewater would be treated by the Casino's WWTP. Therefore, indirect effects would not occur associated with these utilities. Off-site construction is not anticipated to occur as part of the Proposed Project, or, if necessary, it would occur on the Tribe's trust land. Substantial regional amounts of new impervious surfaces would not occur, thus no significant change to the regional drainage conditions would occur. There would be no change in offsite land use and no change in population density. No significant adverse indirect effects relevant to any environmental issue area would occur.

Growth-Inducing Effects

Growth inducement may constitute an adverse impact if the increased growth is not consistent with or accommodated by the land use and growth management plans and policies for the area affected. Local land use plans provide for development patterns and growth policies that allow for orderly development supported by adequate public services and utilities such as water supply, roadway infrastructure, sewer services, and solid waste disposal services. A minimal level of long-term or permanent employment opportunities for the Tribe or members of the community would be created from Alternative A, but not to a significant degree. Employees are anticipated to reside locally. As such, no new housing, schools, or other facilities would be constructed as a result of the Proposed Project. No significant, unmitigable impacts have been identified that would result from the Proposed Project. The Proposed Project would not require the construction of off-site utilities or project components that would induce or otherwise facilitate growth. Growth-inducing impacts would therefore be less-than-significant for Alternative A.

SECTION 4.0

MITIGATION MEASURES

Mitigation consists of “avoiding the impact altogether by not taking a certain action or parts of an action; minimizing impacts by limiting the degree or magnitude of the action and its implementation; rectifying the impact by repairing, rehabilitating, or restoring the affected environment; reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action; [or] compensating for the impact by replacing or providing substitute resources or environments...” (40 CFR 1508.20). Mitigation measures for each alternative are discussed below. Mitigation is enforceable because it is inherent to the project design, required by federal law, or required by a binding agreement with the County.

4.1 LIVING RESOURCES

Implementation of the following mitigation measures are recommended for Alternative A to reduce the potential for significant impacts to living resources.

NESTING MIGRATORY BIRDS

- Should construction activities occur during the general nesting season (February 15 to September 15), a preconstruction nesting bird survey shall be conducted no more than 14 days prior to the start of construction. Areas within 500 feet of construction shall be surveyed for active nests.
- Should an active nest be identified, an avoidance buffer shall be established by a qualified biologist based on the needs of the species identified prior to initiation of construction activities. Avoidance buffers shall remain in place until the end of the general nesting season or upon determination by a qualified biologist that young have fledged or the nest has failed.
- Should ground disturbance commence during the nesting season later than 14 days from the survey date, an additional preconstruction survey shall be conducted prior to reinitiating work to ensure birds have not established nests during inactivity.

FEDERALLY LISTED SPECIES

- A qualified biologist shall conduct habitat sensitivity training related to federally listed species for project contractors. Workers shall be informed about the presence of species and their habitats, and that unlawful take of the animal or destruction of its habitat is not permitted. Prior to construction activities, a qualified biologist shall instruct and distribute informational materials to construction personnel about: (1) the life history of the species; (2) the importance of habitat requirements for the species; (3) sensitive areas including those identified onsite, and (4) the importance of maintaining any required setbacks, buffer zones, and detailing the limits of the construction area. Documentation of this training shall be maintained on the site.
- A qualified biologist shall monitor initial grading activities and the entirety of installation of the irrigation ditch crossings. Ground disturbance will not occur outside of the Project Site.
- If any federally listed species should be detected within the Project Site at any point during construction or monitoring, construction activities shall halt, and the USFWS shall be contacted immediately.

- Vehicles will not exceed a speed limit of 15 mph on unpaved roads or during off-road travel.
- Work crews or an onsite biological monitor will inspect open trenches and pits, and under construction equipment and materials left onsite for listed species each morning prior to commencement of work and each evening following completion of work throughout construction. Trenches or holes more than 6 inches deep must either be covered or provided with one or more escape ramps constructed of earth fill or wooden planks, to be inspected prior to being filled. Pipes and other den-like structures should be capped at both ends until just before use.
- Plastic monofilament netting or similar material will not be used for erosion control as this may cause entrapment or harm to listed species. This includes products with photodegradable or biodegradable synthetic netting, which can take several months to decompose. Acceptable materials include natural fibers such as jute, coconut, twine, or other similar fibers or tackified hydroseeding compounds.

SAN JOAQUIN KIT FOX

- A qualified biologist shall conduct a pre-construction survey of the Project Site and Immediately adjacent habitat to assess potential presence of this species two calendar weeks to 30 calendar days prior to commencement of ground disturbance. A report summarizing the findings of the survey shall be sent to the USFWS within five days of completion of any pre-construction surveys. If the construction activities stop on the site for a period of five days or more, then an additional pre-construction survey shall be conducted no more than 48 hours prior to the start of construction. If no San Joaquin kit foxes or potential dens are found during the pre-construction survey, then no further action is required regarding this species.
- Potential dens (defined as burrows at least 4 inches in diameter which open up within 2 feet) shall be visibly marked by a qualified biologist into an exclusion zone with a 100-foot buffer. No staging of materials or equipment, construction personnel, or other construction activity shall occur within the setback areas. The avoidance buffer shall be maintained until either the completion of construction, or the proper destruction of the den as described below. The USFWS guidelines for avoidance and minimization shall be followed (USFWS, 2011).
- If any San Joaquin kit fox potential dens are identified during the pre-construction survey or during construction activities, no construction activity shall occur within 100 feet of the potential den. An exclusionary zone shall be implemented.
- Potential den entrances shall be monitored with trail cameras for three consecutive days, or dusted for three consecutive days to register track of any San Joaquin kit fox present. If no activity is identified, potential dens may be destroyed by careful excavation followed by immediate filling and compacting of the soil. If activity is identified, the USFWS shall be contacted immediately.
- If any San Joaquin kit fox potential dens are identified, a biological monitor will be on site each day during initial site grading. Thereafter, an onsite individual shall be designated to monitor onsite compliance with all minimization measures. The biologist shall ensure that this individual receives employee education training.
- If any San Joaquin kit fox potential dens are identified, no construction shall occur at night.
- The standards of the USFWS (2011) publication include provisions for educating construction workers regarding the San Joaquin kit fox, keeping heavy equipment operating at safe speeds,

and checking construction pipes for species occupation during construction and similar activities. These standards shall be adhered to and included in the Environmental Awareness Training.

4.2 CULTURAL RESOURCES

Implementation of the following mitigation measures will reduce the potential for adverse effects on Site P-16-34 and/or previously unknown cultural resources uncovered during construction.

- Site P-16-34 was originally identified south of Kent Avenue and south of the APE, however during the archaeological survey, elements of P-16-34 were identified within the Property APE. Because of the lack of ground surface visibility, the horizontal extent of the site is unknown, and restoration of Mussel Slough has the potential to impact the site. Therefore, a program designed to identify site boundaries shall be implemented as part of the planning process surrounding slough restoration. This program may contain some, all, or similar steps to the following:
 - o Grub and clear the ground surface gently but sufficiently to identify the horizontal extent of cultural soils; map the deposit using GPS technology.
 - o Excavate a series of shovel tests or auger tests to identify horizontal and vertical limits of P-16-34, map using GPS technology.
 - o Use project planning to avoid the full horizontal extent of P-16-34. Use construction fencing to mark site edges and keep construction equipment off of the site deposit.
 - o If Mussel Slough restoration or other Proposed Project components will encroach on known portions of P-16-34, complete a data recovery program (developed in consultation between the Tribe, BIA, and a qualified professional archaeologist) sufficient to mitigate the adverse effects caused by the Proposed Project prior to construction.
 - o If elements of P-16-34 are encountered during construction in a previously unidentified location, halt construction and complete a data recovery program (developed in consultation between the Tribe, BIA, and a qualified professional archaeologist) sufficient to mitigate the adverse effects caused by the Proposed Project prior to resuming construction.
 - o Have archaeological and/or Tribal monitors present during construction within 50 feet of the known limits of P-16-34.
 - o Adhere to the provisions of the Native American Graves Protection and Repatriation Act.
- Archaeological indicators include unusual amounts of bone, stone, or shell, locally darkened midden soils, fire-affected rocks, and/or unusual amounts of charcoal, fragments of glass, ceramic and metal objects; milled and split lumber; and structural and feature remnants such as building foundations, privy pits, wells, irrigation ditches, and refuse dumps; and old trails. If resources are identified during construction, work shall halt within 50 feet of the find. The Tribe and the BIA shall be notified of the discovery and a qualified professional archeologist (or paleontologist, as appropriate) or Tribal cultural monitor shall be retained to evaluate the find and recommend appropriate measures in consultation with the Tribe, BIA, and a qualified professional archaeologist. Construction activities shall not resume until mitigation measures have been approved and completed, as appropriate. Should the find be paleontological in nature, construction shall halt within 50 feet of the find, and a qualified paleontologist or Registered

Geologist shall be retained to evaluate the find, recommend appropriate mitigation or recovery, and document the results in accordance with current professional standards.

- If suspected human remains are encountered, work shall halt within 100 feet of the find and the County Coroner shall be notified immediately. At the same time, the Tribe, the BIA, and a qualified professional archaeologist shall be contacted to evaluate the find. If human remains are determined to be of Native American origin, the provisions of NAGPRA would apply. Construction activities shall not resume within 100 feet of the find until the Tribe and BIA approve and implement a strategy for the appropriate disposition of the remains.

SECTION 5.0

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APPENDIX A

***APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND
REGULATIONS***

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APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS

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1.0 INTRODUCTION

Federal, state, and local laws and regulations relevant to Alternatives A and B are included below. As discussed in the Environmental Assessment, state and local laws and regulations apply to the Property prior to acquisition into trust, but are generally not applicable to land in trust.

2.0 LAND RESOURCES

2.1 FEDERAL

NATIONAL EARTHQUAKE HAZARDS REDUCTION PROGRAM

The Earthquake Hazards Reduction Act of 1977 (Public Law 95-124, 42 United States Code 7701 et. seq.), as amended in 2004 (Public Laws 101-614, 105-47, 106-503, and 108-360), established the National Earthquake Hazards Reduction Program. This program was designed to develop measures for earthquake hazards reduction and improve the understanding of earthquakes and effects.

2.2 STATE AND LOCAL

ALQUIST-PRIOLO EARTHQUAKE FAULT ZONING ACT

The Alquist-Priolo Earthquake Fault Zoning Act (formerly the Alquist-Priolo Special Studies Zone Act), signed into law December 1972, requires the delineation of zones along active and potentially active faults in California. The California Geological Survey (CGS) defines an “active” fault as one that exhibits evidence of activity during the last 11,000 years. Faults that exhibit evidence of quaternary activity are considered to be “potentially active.” The purpose of the Alquist-Priolo Act is to regulate development on or near fault traces to reduce the hazard of fault rupture and limit the location of structures in these areas.

SEISMIC HAZARDS MAPPING ACT

The Seismic Hazards Mapping Act was enacted in 1991 to protect the public from the effects of strong ground shaking, liquefaction, landslides, ground failure, or other hazards caused by earthquakes. This act requires a state geologist to delineate various seismic hazard zones and requires cities, counties, and other local permitting agencies to regulate certain development projects within the portions of these zones over which they have jurisdiction. Before a development permit is granted by a city, county, or other local permitting agency for a site within a seismic hazard zone, a geotechnical investigation of the site must be conducted and appropriate mitigation measures must be incorporated into the project’s design.

KINGS COUNTY GENERAL PLAN

The Health and Safety Element of the County’s General Plan identifies land use hazards within the County. According to this element, soil hazards, including expansive soils, liquefaction, and erosion are unlikely and limited in spatial extent. Landslide risks are considered to be low to moderate, with moderate risks limited generally to areas within the County where land slopes exceed 15 percent. Earthquake risk levels are occasional, but it is noted that the spatial extent of a seismic event could be significant. The likelihood of such an event was considered to be low as there are no known major fault systems in the County. The General Plan policies state that new development should be reviewed to determine if a geotechnical soils report is necessary and to ensure that seismic hazards are considered.

3.0 WATER RESOURCES

3.1 FEDERAL

CLEAN WATER ACT

The Clean Water Act (CWA; 33 USC §1251-1376), as amended by the Water Quality Act of 1987, is the major federal legislation governing water quality. The objective of the CWA is “to restore and maintain the chemical, physical, and biological integrity of the Nation’s waters.” The United States Environmental Protection Agency (USEPA) is delegated as the administrative agency under the CWA. Relevant sections of the CWA include Sections 303 and 304, Section 401, Section 402, and Section 404.

CWA ANTI-DEGRADATION POLICY

Federal policy (Code of Federal Regulations [CFR], Title 40, Part 131.6) specifies that each state must develop, adopt, and retain an anti-degradation policy to protect the minimum level of surface water quality necessary to support existing uses. Each anti-degradation policy must include implementation methods consistent with provisions outlined in 40 CFR §131.12. On trust land, such issues are addressed by the USEPA.

SAFE DRINKING WATER ACT

Minimum national drinking water standards and guidelines for groundwater protection are established through the 1974 Safe Drinking Water Act (amended in 1986 and 1996). Contaminants of concern relevant to domestic water supply are defined as those that pose a public health threat or that alter the aesthetic acceptability of water. The USEPA regulates contaminants through the development of national primary and secondary Maximum Contaminant Levels for drinking water.

DISASTER RELIEF ACT

The Disaster Relief Act of 1974 resulted in the development of the Federal Emergency Management Agency (FEMA), which is responsible for determining flood elevations and floodplain boundaries based on U.S. Army Corps of Engineers (USACE) studies. FEMA is also responsible for distributing Flood Insurance Rate Maps, which are used in the National Flood Insurance Program. These maps identify the locations of special flood hazard areas, including 100-year floodplains. FEMA allows non-residential development in a floodplain; however, construction is restricted within flood hazard areas, depending on the potential for flooding.

NPDES PERMITTING PROGRAM

Facilities discharging pollutants from point-sources into waters of the United States must obtain a discharge permit under the National Pollutant Discharge Elimination System (NPDES) program. To ensure compliance with the CWA anti-degradation policy, the USEPA must consider the status of regional water quality before issuing an individual facility NPDES permit for discharge into impaired waterways. After reviewing an application for an individual facility permit, the permitting authority will issue a permit with specific effluent limits, or Waste Discharge Requirements (WDRs). Construction projects disturbing one or more acres of soil must be covered under the NPDES general permitting process. For Tribal projects on trust land, the Tribe proposing the project must apply for coverage under the USEPA’s Stormwater General NPDES Permit for Construction Activities. The USEPA’s Stormwater General NPDES Permit for Construction Activities also requires the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP). The SWPPP must list Best Management Practices that address stormwater runoff rates and water quality.

3.2 STATE AND LOCAL

PORTER-COLOGNE WATER QUALITY CONTROL ACT

The Porter-Cologne Water Quality Control Act (Division 7 of the California Water Code [Water Code]) provides the basis for surface water and groundwater quality regulation within California. This act established the authority of the State Water Resources Control Board (SWRCB) and the nine Regional Water Quality Control Boards (RWQCBs). The Porter Cologne Act (§13242) requires that a Total Maximum Daily Limit program of implementation be developed in the Regional Water Quality Control Plans for water bodies listed under Section 303 of the CWA that describes how water quality objectives will be attained.

RWQCB'S ANTI-DEGRADATION POLICY

The Porter-Cologne Act requires the State to designate beneficial uses of surface water and groundwater, and to specify water quality objectives designed to protect those uses. These water quality objectives are presented in the Regional Water Quality Control Plans (basin plans). Basin plans are developed and periodically reviewed to fulfill the State's requirements of the anti-degradation policy of the CWA. Each basin plan provides a technical basis for determining WDRs and regulatory enforcement action.

CALIFORNIA WATER CODE

The California Water Code designates the California Department of Public Health (CDPH) as the lead agency responsible for regulating treatment of wastewater, water conservation, and state powers during times of water shortages. The California Water Code also provides supplementary regulation on stormwater discharge.

SUSTAINABLE GROUNDWATER MANAGEMENT ACT

The intent of the Sustainable Groundwater Management Act ([SGMA]; Water Code § 10720 et seq.) is to "enhance local management of groundwater consistent with rights to use or store groundwater... [and] to preserve the security of water rights in the state to the greatest extent possible consistent with the sustainable management of groundwater." The SGMA states that "any local agency or combination of local agencies overlying a groundwater basin may elect to be a groundwater sustainability agency for that basin" (Water Code § 10723).

KINGS COUNTY GENERAL PLAN

The Open Space Element of the General Plan states that natural open spaces include natural watershed terrain such as waterways, vernal pools, and riparian habitat. Natural aquatic habitat is additionally considered a valuable scenic and recreational resource. Goals and policies within the General Plan are designed to preserve natural watersheds and utilize natural flood management features of the landscape. Additionally, the Resource Conservation element identifies significant aquatic resources in the County and outlines goals and policies for preserving and maintaining the County's natural aquatic resources.

KINGS COUNTY MUNICIPAL CODE

Chapter 14 of the Kings County Municipal Code is related to health and welfare of occupants within the unincorporated County and sets potable water and wastewater standards. Chapter 14A specifically addresses the construction and use of water wells, including permitting and general well standards.

4.0 AIR QUALITY AND CLIMATE CHANGE

4.1 FEDERAL

FEDERAL CLEAN AIR ACT

The Federal Clean Air Act (CAA) was enacted to protect and enhance the quality of the nation’s air resources. In 1971, the USEPA developed primary and secondary National Ambient Air Quality Standards (NAAQS). Six criteria air pollutants (CAPs) of concern were designated: carbon monoxide (CO), ozone (O3), sulfur dioxide (SO2), nitrous oxides (NOX), lead (Pb), and suspended particulate matter (PM). PM is designated into two size classes, coarse particulate matter 10 micrometers or less in diameter (PM10) and fine particulate matter 2.5 micrometers or less in diameter (PM2.5). **Table 1** shows applicable USEPA standards.

FEDERAL ATTAINMENT STATUS

The USEPA classifies areas in compliance with the National Ambient Air Quality Standards (NAAQS) as being in "attainment". Areas that do not meet the NAAQS are classified as being in "non-attainment" by the USEPA. If the air quality within a region is determined by the USEPA to be non-attainment, the region is further classified as a marginal, moderate, serious, severe, or extreme non-attainment area. Areas designated as marginal must implement a permit program and conduct an inventory of CAP-producing emissions. The more severe classifications also require implementation of control measures. For ozone, control measures must be implemented to reduce emissions of the ozone-producing precursors nitrous oxides (NOx) and reactive organic gases (ROGs, or volatile organic compounds [VOCs]).

TABLE 1: NAAQS PRIMARY STANDARDS AND ASSOCIATED VIOLATION CRITERIA

| Pollutant | Symbol | Averaging Time | NAAQS | Violation Criteria |
|------------------|-------------------|--|----------------------|--|
| Ozone | O ₃ | 8 hours | 0.070 ppm | If exceeded on more than 3 days in 3 years |
| Carbon monoxide | CO | 1 hour | 35 ppm | If exceeded on more than 1 day per year |
| | | 8 hours | 9 ppm | If exceeded on more than 1 day per year |
| Nitrogen dioxide | NO ₂ | Annual average | 0.053 ppm | If exceeded on average per year |
| | | 1 hour, averaged over 3 years | 0.1 ppm | If 98 th percentile of maximum exceeded |
| Sulfur dioxide | SO ₂ | 3 hours | 0.5 ppm | If exceeded on more than 1 day in 3 years |
| | | 1 hour, averaged over 3 yrs. | .075 ppm | If 98 th percentile of maximum exceeded |
| Inhalable PM | PM ₁₀ | 24 hours, averaged over 3 yrs. | 150 g/m ³ | If exceeded on more than 1 day per year |
| Fine PM | PM _{2.5} | Annual arithmetic mean, averaged over 3 yrs. | 12 g/m ³ | If exceeded on more than 1 day per year |
| | | 24 hours, averaged over 3 yrs. | 35 g/m ³ | If 98 th percentile of maximum exceeded |
| Lead particles | Pb | Calendar quarter | 1.5 g/m ³ | If exceeded on one or more days per year |

SOURCE: USEPA, 2016a.

NOTES: ppm = parts per million; g/m³ = micrograms per cubic meter

FEDERAL GENERAL CONFORMITY

The General Conformity Rule of the CAA implements Section 176(c) and establishes minimum thresholds for volatile organic compounds (VOCs), ozone precursors, CO, and other regulated constituents for non-attainment and maintenance areas. A Conformity Determination is required for each pollutant where a total of direct and indirect emissions in a non-attainment or maintenance area caused by the federal action are greater than de minimis thresholds. The thresholds provide guidance for federal agencies to assure that they comply with approved State Implementation Plans (SIPs). There are two phases to general conformity:

- 1) The Conformity Review process entails a review of each analyzed alternative to assess whether a full conformity determination is necessary; and
- 2) The Conformity Determination process, which demonstrates how an action would conform to the applicable implementation plan (usually the SIP).

The first step compares emissions estimates for the project to the appropriate general conformity de minimis threshold based on a non-attainment type. If the emission estimates from step one are below the thresholds, then a General Conformity Determination is not necessary and step two is not required. The regulations apply to a proposed federal action that would cause emissions of criteria air pollutants (CAPs) above certain levels to occur in locations designated as non-attainment or maintenance areas for the emitted pollutants. If a federal action occurs in a location designated as attainment or unclassified, the General Conformity regulation does not apply to the project.

FEDERAL HAZARDOUS AIR POLLUTANT PROGRAM

In addition to CAPs, the CAA requires the USEPA to regulate hazardous air pollutants (HAPs). The USEPA maintains a list of over 180 airborne chemicals that are recognized as HAPs. Title III of the CAA requires the USEPA to promulgate National Emissions Standards for Hazardous Air Pollutants (NESHAP). The NESHAP may differ between major sources and area sources of hazardous air pollutants (HAPs). Major sources are defined as stationary sources with potential to emit more than 10 tons per year (tpy) of any HAP or more than 25 tpy of any combination of HAPs; all other sources are considered area sources.

FEDERAL CLEAN AIR ACT AND INDIAN TRIBES

The CAA authorizes USEPA to issue regulations specifying the provisions of the CAA for which tribes may be treated in the same manner as states. For those provisions specified, a tribe may develop and implement one or more of its own air quality programs under the Act. The USEPA issued its final rule in 1998, which grants tribes with USEPA-approved CAA programs authority over all air resources within the exterior boundaries of a reservation. No such program exists for the Enterprise Rancheria Tribe, and thus the USEPA retains authority for sources of air pollution on the Property (USEPA, 2020).

FEDERAL CLASS I AREAS

Title 1, Part C of the CAA was established, in part to preserve and enhance air quality in national parks and wilderness areas. The CAA designates all international parks, national wilderness areas, and memorial parks larger than 5,000 acres, and national parks larger than 6,000 acres as “Class I areas.” Major sources of emissions within 100 kilometers (km) from a federal Class I area must conduct a pre-construction review of air quality impacts. A “major source” for the PSD program is defined as a facility that will emit (from direct stationary sources) 250 tons per year of regulated pollutant.

TRIBAL NEW SOURCE REVIEW

A Tribal new source review (NSR) permit is required prior to construction in both attainment and nonattainment areas if the projected aggregate operational emissions from stationary sources at the proposed facility exceed the minor NSR thresholds listed in **Table 2**. NSR programs must comply with the standards and control strategies of the Tribal Implementation Plan (TIP) or SIP. If there is not an applicable SIP or TIP, the USEPA issues permits and implements the program. If applicable, the Tribe would apply for and obtain a site-specific or, if promulgated prior to the start of construction, a general minor NSR permit in accordance with USEPA guidelines and Tribal NSR regulations.

TABLE 2: TRIBAL MINOR NEW SOURCE REVIEW THRESHOLDS

| Pollutant | Emissions Thresholds for Nonattainment Areas (Tpy) | Emissions Thresholds for Attainment Areas (Tpy) |
|-----------------------|---|--|
| NO _x | 5.0 | 10 |
| ROGs | 2.0 | 5.0 |
| PM | 5.0 | 10 |
| PM ₁₀ | 1.0 | 5.0 |
| PM _{2.5} | 0.6 | 3.0 |
| CO | 5.0 | 10 |
| SO ₂ | 5.0 | 10 |
| Pb | 0.1 | 0.1 |
| SOURCE: 40 CFR 49.153 | | |

NATIONAL ENVIRONMENTAL POLICY ACT

The National Environmental Policy Act (NEPA) directs federal agencies to assess the potential environmental impacts of their proposed major actions significantly affecting the human environment and inform the public about those potential impacts. The Council on Environmental Quality (CEQ) was established as part of NEPA to coordinate federal environmental efforts. On February 19, 2021, pursuant to federal Executive Order (EO) 13990, *Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis*, the Council on Environmental Quality (CEQ) rescinded its 2019 *Draft National Environmental Policy Act (NEPA) Guidance on Consideration of Greenhouse Gas Emissions* and is reviewing, for revision and update, the 2016 *Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews*. In the interim, EO 13990 directs agencies to consider all available tools and resources in assessing GHG emissions and climate change effects of their proposed actions, including the 2016 GHG Guidance.

To assess impacts, the 2016 GHG Guidance states that federal agencies should quantify direct and indirect emissions of the project alternatives with the level of effort being proportionate to the scale of the emissions relevant to the NEPA review. The CEQ guidance advises federal lead agencies to consider the following:

1. The potential effects of a proposed action on climate change as indicated by assessing GHG emissions;
2. The effects of climate change on a proposed action and its environmental impacts.

This guidance does not propose a specific, quantitative threshold of significance; however, it states that agencies should consider the potential for mitigation measures to reduce or mitigate GHG emissions and climate change effects when those measures are reasonable and consistent with achieving the purpose and need for the proposed action. Examples of mitigation provided for in the guidance include, but are not limited to, enhanced energy efficiency design, lower GHG-emitting technology, carbon capture, carbon sequestration (e.g., restoration of forest, agricultural soils, and coastal habitat), and compensation.

Additionally, on February 19, 2021, Secretary of the Interior Deb Haaland issued Secretarial Order (SO) 3399 to prioritize action on climate change throughout the Department and to restore transparency and integrity in the Department’s decision-making processes. SO 3399 specifies that when considering the impact of GHG emissions from a proposed action, Bureaus/Offices should use appropriate tools, methodologies, and resources available to quantify GHG emissions and compare GHG quantities across alternatives. SO 3399 acknowledges that identifying the interactions between climate change and the environmental impacts of a

proposed action in NEPA documents can help decision makers identify opportunities to reduce GHG emissions, improve environmental outcomes, and contribute to protecting communities from the climate crisis.

4.2 STATE AND LOCAL

CALIFORNIA CLEAN AIR ACT

In 1988, the State legislature adopted the California Clean Air Act (CCAA), which established a statewide air pollution control program. CCAA requirements include annual emission reductions, development and use of low emission vehicles, establishment of the California Ambient Air Quality Standards (CAAQS), and submittal of air quality attainment plans by air districts for incorporation into the California SIP. The California Air Resource Board (CARB) is the state agency responsible for coordinating state and federal air pollution control programs in California. CARB designated CAAQS for the six federal CAPs and four additional pollutants. CARB also allocated 15 individual air basins within the state by grouping similar geographic or political areas together that exhibit similar air quality conditions.

CALIFORNIA SIP

California's SIP is comprised of overall air quality attainment plans to meet the NAAQS as well as the individual air quality attainment plans of each air quality management district (AQMD) and air pollution control district (APCD). AQMDs and APCDs, as well other agencies such as the Bureau of Automotive Repair, prepare draft California SIP elements and submit them to CARB for review and approval. The CCAA identifies CARB as the lead agency for compiling items for incorporation into the California SIP and submitting them to the USEPA.

SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT

According to the San Joaquin Valley Air Pollution Control District's mission statement, "The San Joaquin Valley Air District is a public health agency whose mission is to improve the health and quality of life for all Valley residents through efficient, effective and entrepreneurial air quality management strategies. Our Core Values have been designed to ensure that our mission is accomplished through commonsense, feasible measures that are based on sound science." The air districts values include pollution control, protection of public health, efficient use of public funds, and public outreach and education.

REGIONAL CLIMATE ACTION PLAN, KINGS COUNTY

According to the Regional Climate Action Plan, "the Regional Climate Action Plan (CAP) is a long-range policy document that identifies cost-effective measures to reduce greenhouse gas (GHG) emissions from activities within Kings County consistent with California State Assembly Bill (AB) 32." The plan identifies baseline and projected GHG levels and sets reduction targets. GHG reduction measures target energy consumption, transportation GHGs, solid waste management, and management of trees and other vegetation. The plan includes implementation and monitoring measures as well.

COUNTY OF KINGS GENERAL PLAN

Air quality is discussed mainly within the air quality element of the General Plan. According to monitoring summarized in the general plan, air quality metrics have generally improved over time. However, the general plan lists several pollutants as non-attainment. The general plan goals include thorough monitoring of air quality to guide implementing policies. Existing measures include utilizing air quality data for informing land use designations, attaining limits set in the GHG Emissions Reduction Plan, identifying sensitive receptors, and conforming to dust control BMPs.

STATE LEGISLATION

Assembly Bill 1493 (AB 1493)

AB 1493 of 2002 requires CARB to develop and adopt the nation's first GHG emission standards for automobiles. These standards are also known as Pavley I. Subsequent improvements to these standards covered model years 2012 to 2016 and resulted in 30 percent GHG reductions by 2016.

The most recent standards establish a range of annual GHG reductions for 2017 to 2025 model year light-duty vehicles of 3 to 6 percent per year.

Executive Orders

The following summarizes the relevant Executive Orders (EO) related to climate change:

- EO S-3-05 – This EO established GHG reduction targets of; the year 2000 GHG levels by 2010; year 1990 GHG levels by 2020; and 80 percent below 1990 levels by 2050. EO S-3-05 created a “Climate Action Team” (CAT) headed by the California Environmental Protection Agency and including several other state agencies. The CAT is mandated by EO S-3-05 to outline the effects of climate change on California and recommend an adaptation plan. The CAT is also mandated with creating a strategy to meet the emission reduction target required by the EO. In April 2006 the CAT published an initial report that accomplished these two tasks. The 2010 CAT Report to the Governor and Legislature was issued December 2010, discussing progress and supplemental recommendations, and further legislation (described below) codified EO-S-05's goals.
- EO S-01-07 – This EO mandates a statewide goal to reduce the carbon intensity of transportation fuels by at least 10% by 2020. This target reduction was identified by CARB as one of the AB 32 early action measures.
- EO B-30-15 – This EO was signed by the Governor on April 29, 2015, and established a state GHG reduction target of 40 percent below 1990 levels by 2030. This intermediate GHG emissions reduction target would make it possible to meet the ultimate GHG emissions reduction target of 80 percent below 1990 levels by 2050 as established in EO S-3-05.
- EO B-55-18 – Signed on September 10, 2018, B-55-18 directs the state as a whole to achieve carbon neutrality by 2045 and net negative emissions thereafter. The order does not specify the means by which carbon neutrality must be met. The order also calls on the California Air Resources Board to work with state agencies to ensure future Scoping Plans meet the new carbon neutrality goal.

California Global Warming Solutions Act of 2006 (Assembly Bill 32 [AB 32])

AB 32 codifies a key requirement of EO S-3-05, specifically the requirement to reduce statewide GHG emissions to 1990 levels by 2020. AB 32 mandates CARB with monitoring state sources of GHGs and designing emission reduction measures to comply with the law's emission reduction requirements. AB 32 also states that the CAT should coordinate overall state climate policy. AB 32 required that CARB prepare a comprehensive “scoping plan” every five years that identifies all strategies necessary to achieve the required 2020 emissions reductions. In early December 2008, CARB released its scoping plan to the public, which was approved by CARB on December 12, 2008. The scoping plan relies on existing technologies and improving energy efficiency to achieve the 30 percent reduction in GHG emission levels by 2020.

The most recent update to the Scoping Plan was released in November 2017 and outlines statewide strategies to meet the 2030 SB 32 goal of reducing emissions 40 percent from 2020 levels. The State Scoping Plan was initially approved in December 2008 and updated in 2014 and 2017. In each update, the Scoping Plan outlined progress California had made to date regarding near-term 2020 GHG limits. The 2017 State Scoping Plan also incorporated guidance for achieving the State's 2030 GHG reduction goals (CARB, 2017). The draft Scoping Plan also identifies several climate change mitigation policies.

Senate Bills

The following summarizes the various Senate Bills (SB) related to climate change:

- SB 97 - In August 2007, SB 97 was adopted to recognize the need to address climate change under the California Environmental Quality Act (CEQA). Particularly, it recognized the need to address cumulative contribution of emissions for a development project. It also required that lead agencies make a good-faith effort to calculate and describe GHG emissions potentially resulting from a project. Following SB 97, the California Air Pollution Control Officers Association (CAPCOA) provided guidance on integrating analysis of climate change in its 2008 white paper CEQA & Climate Change (CAPCOA, 2008).
- SB 375 - SB 375 directed CARB to develop regional GHG emission reduction targets for metropolitan planning organizations (MPOs). MPOs are required to align regional transportation, housing, and land use plans and prepare Sustainable Communities Strategies (SCS) to reduce vehicular travel and GHG emissions. CARB determines whether the SCS will achieve the region's GHG emissions reduction goals.
- SB 605 – This SB requires CARB to complete a comprehensive strategy to reduce emissions of short-lived climate pollutants in the State no later than January 1, 2016. The final strategy released by CARB in March 2017 focuses on CH₄, black carbon, and fluorinated gases, particularly HFCs, as important short-lived climate pollutants. The final strategy recognizes emission reduction efforts implemented under AB 32 (e.g., refrigerant management programs) and other regulatory programs (e.g., in-use diesel engines, solid waste diversion). The measures identified in the final strategy and their expected emission reductions will feed into the update to the CARB Scoping Plan.
- SB 350 - Senate Bill 350 codifies the GHG targets for 2030 set by EO B-30-15. To meet these goals, SB 350 also raises the California Renewables Portfolio Standard (RPS) from 33 percent renewable generation by 2020 to 50 percent renewable generation by December 31, 2030.
- SB 32 - Signed in 2016, SB 32 further strengthens AB 32 with goals of reducing GHG emissions to 40 percent below 1990 levels by 2030. Based on GHG emissions inventory data compiled by CARB through 2017 and the emission limit of 431 million MT of CO₂e established in the IPCC Fourth Assessment Report, California emission reduction goals for near-term 2020 will be met by abiding by the California Climate Change Scoping Plan.
- SB 743 - SB 743 changes how public agencies must evaluate transportation impacts of projects under CEQA. As required under SB 743, the Governor's Office of Planning and Research (OPR) developed potential metrics to measure transportation impacts that may include, but are not limited to, vehicle miles traveled (VMT), VMT per capita, automobile trip generation rates, or automobile trips generated.

Title 20 Appliance Efficiency Regulations

California's Appliance Efficiency Regulations, California Code of Regulations Title 20, contain standards for both federally regulated appliances and non-federally regulated appliances. The regulations are updated regularly to allow consideration of new energy efficiency technologies and methods. The current standards were adopted by the California Energy Commission in 2018. The standards outlined in the regulations apply to appliances that are sold or offered for sale in California. More than 23 different categories of appliances are regulated, including refrigerators, freezers, water heaters, washing machines, dryers, air conditioners, pool equipment, and plumbing fittings.

California Green Building Standards Code (CALGreen)

Title 24 Building Standards Code, Part 11 of the California Code of Regulations is referred to as the California Green Building Standards Code (CALGreen Code). The purpose of the CALGreen Code is to improve public health, safety, and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in the following categories: (1) planning and design; (2) energy efficiency; (3) water efficiency and conservation; (4) material conservation and resource efficiency; and (5) environmental air quality.

5.0 LIVING RESOURCES

5.1 FEDERAL

FEDERAL ENDANGERED SPECIES ACT

Provisions of the Federal Endangered Species Act of 1973 (FESA), as amended (16 U.S. Code [USC] 1531), protect federally-listed threatened and endangered wildlife and their habitat (50 CFR §17.11, 17.12). Additionally, the U.S. Fish and Wildlife Service (USFWS) and the National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NMFS) implement Section 10(a)(1)(b) of FESA, which allows non-federal entities under consultation with the USFWS and NMFS to obtain incidental take permits for federally listed fish and wildlife. Compliance with Section 10(a)(1)(b) is not required for federally listed plants. Critical habitat is defined under FESA as specific geographic areas within a listed species range that contain features considered essential for the conservation of the listed species. Designated critical habitat for a given species supports habitat determined by USFWS to be important for the recovery of the species. Under FESA, habitat loss is considered to be an impact to a species.

MIGRATORY BIRD TREATY ACT

Most bird species are protected under federal and state regulations, especially those that are breeding, migratory, or of limited distribution. Under the Migratory Bird Treaty Act of 1918 (16 USC §703-711), federally-listed migratory bird species (50 CFR §10.13) and their nests and eggs are protected from injury or death, and project-related disturbances during the nesting cycle must be minimized.

BALD AND GOLDEN EAGLE PROTECTION ACT

The Bald and Golden Eagle Protection Act was originally enacted in 1940 to protect bald eagles and was later amended to include golden eagles (16 USC Subsection 668-668). This act prohibits take, possession, and commerce of bald and golden eagles and associated parts, feathers, nests, or eggs with limited exceptions. The definition of take is the same as the definition under FESA. In 2007, the bald eagle was federally delisted under FESA, however provisions of this act remain in place.

CLEAN WATER ACT SECTION 404 - WETLANDS AND OTHER WATERS OF THE U.S.

Projects that involve discharge of dredged or fill material in navigable Waters of the U.S. must first obtain authorization from the USACE under Section 404 of the Clean Water Act (CWA). Projects requiring a 404 permit under the CWA also require a Section 401 certification from either the USEPA for trust land, or the RWQCB for non-trust land.

5.2 STATE AND LOCAL

CALIFORNIA ENDANGERED SPECIES ACT

The California Endangered Species Act is similar to FESA, but is limited to species under state jurisdiction listed by the state as threatened or endangered. Off-Reservation take is prohibited under Section 2080 of the California Fish and Game Code. Under Section 2081, California Department of Fish and Wildlife (CDFW) can authorize take if an incidental take permit is issued by the Secretary of the Interior or Commerce in compliance with FESA for jointly listed species, or if the director of CDFW issues a permit and impacts are minimized and mitigated for State listed species.

CALIFORNIA DEPARTMENT OF FISH AND GAME CODE

California Fish and Game Codes § 3503, 3503.5, and 3800 prohibit the possession, incidental take, or needless destruction of birds, their nests, and eggs. California Fish and Game Code §3511 lists birds or other species that are "fully protected" and may not be taken or possessed except under specific permit.

California Fish and Game Code Section 1602 requires notification before beginning activities that effect rivers, streams, or lakes. California Fish and Game Code Section 1602 applies to perennial, intermittent, and ephemeral rivers, streams, and lakes in the state of California.

KINGS COUNTY GENERAL PLAN

The Land Use, Resource Conservation, and Open Space elements of the Kings County General Plan are designed to consider the natural resources available in the County and to direct organized development such that significant biological resources are preserved. The Resource Conservation Element “addresses the conservation of water, agricultural land, soils, habitats, species, fishing, minerals, archaeological-cultural-historic resources; and solid waste management,” and informs anticipated development and land use designations. Similarly, the purpose of the Open Space Element “is to promote the preservation of natural and other open space land which contributes to the economy, general welfare, and quality of life of the residents of Kings County.” As part of the General Plan, a Biological Resources Survey was completed and included as Appendix C of the General Plan.

6.0 CULTURAL RESOURCES

6.1 FEDERAL

NATIONAL HISTORIC PRESERVATION ACT

Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations found in 36 CFR Part 800, require federal agencies to identify cultural resources that may be affected by actions involving federal lands, funds, or permitting. The BIA must comply with Section 106 for proposed trust acquisitions. The significance of the resources must be evaluated using established criteria outlined in 36 CFR 60.4. If a resource is determined to be a historic property, Section 106 of the NHPA requires that effects of the federal undertaking on the resource be determined and describes specific criteria for determining whether a project would adversely affect a historic property, as defined in 36 CFR 800.5. An impact is considered adverse when prehistoric or historic archaeological sites, structures, or objects that are listed on or eligible for listing, in the National Register of Historic Places (NRHP) are subjected to the following:

- Physical destruction of or damage to all or part of the property;
- Alteration of a property;
- Removal of the property from its historic location;
- Change of the character of the property’s use or of physical features within the property’s setting that contribute to its historic significance;
- Introduction of visual, atmospheric, or audible elements that diminish the integrity of the property’s significant historic features;
- Neglect of a property that causes its deterioration; or
- Transfer, lease, or sale of the property out of federal control without adequate and legally enforceable restrictions or conditions to ensure long-term preservation of the property’s historic significance.

If the historic property will be adversely affected by the undertaking, then prudent and feasible measures to resolve adverse impacts must be taken. The State Historic Preservation Office (SHPO) must be provided an opportunity to review and comment on these measures prior to project implementation.

NATIONAL REGISTER OF HISTORIC PLACES

The NHPA authorizes the Secretary of the Interior to maintain and expand a National Register of districts, sites, buildings, structures, and objects of significance in American history, architecture, archaeology, engineering, and culture.

A property may be eligible for listing in the NRHP if it meets criteria for evaluation as defined in 36 CFR 60.4. This criteria identifies properties that:

- A. Are associated with events that have made a significant contribution to the broad patterns of history;
- B. Are associated with the lives of persons significant in the past;
- C. Embody the distinctive characteristics of a type, period or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or
- D. Have yielded, or may be likely to yield, information important in prehistory or history.

Additionally, the SHPO advocates that all historical resources over 45 years old be recorded for inclusion in the SHPO filing system, although professional judgment is urged in determining whether a resource warrants documentation. Sites younger than 50 years, unless of exceptional importance, are not eligible for listing in the NRHP. In addition to meeting at least one of the criteria outlined above, the property must also retain enough integrity to enable it to convey its historic significance. The National Register recognizes seven aspects or qualities that, in various combinations, define integrity. These seven elements of integrity are location, design, setting, materials, workmanship, feeling, and association. To retain integrity, a property will possess several, and usually most, of these aspects.

NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT

The Native American Graves Protection and Repatriation Act (NAGPRA), 25 USC 3001 et seq., provides a process for museums and federal agencies to return Native American cultural items - human remains, funerary objects, sacred objects, or objects of cultural patrimony - to lineal descendants, and culturally affiliated Indian tribes and Native Hawaiian organizations. NAGPRA includes provisions for unclaimed and culturally unidentifiable Native American items, intentional and inadvertent discovery of Native American items on Federal and Tribal land, and penalties for noncompliance and illegal trafficking.

PALEONTOLOGICAL RESOURCES PRESERVATION ACT

The Paleontological Resources Preservation subtitle of the Omnibus Public Land Management Act, 16 U.S.C. 470aaa to aaa-11 requires the U.S. Department of Agriculture and the U.S. Department of the Interior to issue implementation regulations to provide for the preservation, management, and protection of paleontological resources on Federal lands, and to ensure that these resources are available for current and future generations to enjoy as part of America's national heritage. Paleontological resources are defined as the traces or remains of prehistoric plants and animals.

6.2 STATE AND LOCAL

CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 5020.1, 5024.1, AND 21083.2

PRC 5020.1 and 5024.1 defines historical resources, establishes the California Register of Historical Resources, and identifies characterizes of a site or object that qualifies it for listing and protection on the California Register of Historical Resources. Section 21083.2 identifies archaeological resources and requires a lead agency to determine whether a proposed action has the potential to significantly impact an archaeological resource. Impacts must be avoided, minimized, and/or mitigated.

CALIFORNIA HEALTH AND SAFETY CODE SECTION 7050.5

Health and Safety Code Section 7050.5 prohibits the intentional disturbance or removal of human remains. This code additionally provides the appropriate protocol for unintentional discovery of human remains, for example, during otherwise lawful development activities.

Lawful action requires that excavation and disturbance of the site cease until the area coroner is contacted to handle identification and/or removal of the remains. Further excavation at the site would be halted until resolution occurs.

ASSEMBLY BILL 52

For projects subject to the California Environmental Quality Act, Assembly Bill 52 requires that consultation with regional Native American Tribes be initiated for projects that might impact a cultural resource of the environment. In addition to consultation the Tribes may also be provided with notices of public comment periods for projects with the potential to impact Tribal cultural resources. Potential impacts are required to be analyzed in the appropriate environmental report with the necessary impact avoidance, minimization, and mitigation measures included for Tribal review.

KINGS COUNTY GENERAL PLAN

The Archaeological, Cultural, and Historic Resources section of the County's General Plan Resource Conservation Element identifies resources within the County including archaeological and architectural sites and fossil localities. The National Register of Historic Places lists four sites within Kings County, and three additional sites that have been designated as California Historical Landmarks. Sites include a Taoist Temple, County Courthouse, Carnegie Library, and the Witt archaeological site. The three California Historical Landmarks include the Kingston Town Site north of Hardwick, the El Adobe de los Robles Rancho west of Lemoore, and the Mussel Slough Tragedy site south of Hardwick. Thirteen other historic sites of local importance also exist. These include several cemeteries and churches located in Corcoran, Lemoore, Grangeville, and other rural areas in the northern County. Other notable sites include the original site of Lemoore, the Avenal Ranch, Kettleman Hills fossil beds, and First High School on the Kings River.

7.0 SOCIOECONOMIC CONDITIONS

7.1 FEDERAL

EXECUTIVE ORDER 12898

Projects involving a federal action must comply with Executive Order (EO) 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which directs federal agencies to take the appropriate and necessary steps to identify and address disproportionately high and adverse effects of federal projects on the health or environment of minority, low-income, and Native American populations to the extent practicable and permitted by law. The USEPA's Final Guidance for Incorporating Environmental Justice Concerns in EPA's NEPA Compliance Analyses, April 1998 (Final Guidance) was written to assist the EPA in developing NEPA compliance documentation to address the effects of environmental impacts on low income and minority populations.

7.2 STATE AND LOCAL

REGIONAL HOUSING ALLOCATION PLAN

California State law specifies a process for determining each local jurisdiction's fair share of regional housing needs, called the Regional Housing Needs Allocation Plan (RHNA). The California Department of Housing and Community Development assigns each regional council of governments a necessary number of new housing units for that region, including affordable housing. Each local government in California is required to adopt a Housing Element as part of its General Plan that shows how the community plans to meet the existing and projected housing needs of people at all income levels.

KINGS COUNTY GENERAL PLAN

The Kings County General Plan includes a Housing Element that applies to unincorporated areas of the County, as well as the cities of Avenal, Corcoran, Hanford, and Lemoore. The Housing Element considers demographics, anticipated growth, overcrowding and vacancy rates, and employment trends. The Housing Element satisfies the RHNA requirement for the unincorporated area of Kings County. The Kings County General Plan also contains a Land Use element that identifies land use patterns consistent with anticipated regional growth.

8.0 TRANSPORTATION NETWORKS

8.1 FEDERAL

FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM

The Federal Transportation Improvement Program (FTIP) is a plan for the implementation of the long-range Regional Transportation Plan. The FTIP presents manageable components to federal funding agencies for the funding of long-term plans and establishes a systematic approach to programming capital improvement projects over a five-year term, and is subject to continual modifications.

8.2 STATE AND LOCAL

CALIFORNIA DEPARTMENT OF TRANSPORTATION

Caltrans manages interregional transportation, including the management and construction of the California highway system. Caltrans is also responsible for the permitting and regulation of state roadways. Area surrounding the Property are located in Caltrans District 6, which includes the totality of Fresno, Kings, Tualre, Kern, and Madera Counties.

COUNTY OF KINGS GENERAL PLAN

The Circulation Element of the County's General Plan deals with the safety and efficiency of people and goods travelling within and through the County. A Level of Service (LOS) of A through C is generally considered acceptable. An LOS of D or below is generally considered unacceptable. At the time of the adoption of the general plan, there were no roadways analyzed with an unacceptable LOS. Plan goals include increasing public transit, installing traffic-calming infrastructure improvements such as roundabouts, and promoting vanpooling, biking, and walking. Additionally, the County seeks to maintain acceptable LOS throughout the County.

9.0 LAND USE

9.1 FEDERAL

WILLIAMSON ACT

The California Land Conservation Act of 1965, better known as the Williamson Act, enables local governments to enter into contracts with private land owners to maintain agriculture or open space on properties in exchange for lower property tax assessments. Land uses compatible with agricultural production are determined by the county or city administering the contract. Contracts have a term of at least 10 years and are automatically renewed unless a notice of cancelation is given.

9.2 STATE AND LOCAL

KINGS COUNTY GENERAL PLAN

The Land Use element of the King's County General Plan identified land use designations for parcels within unincorporated areas of Kings County.

Land use designations are designed to facilitate regional growth and to ensure land uses are compatible with anticipated growth, neighboring land uses, infrastructure needs, and the aesthetic character of the area. Land use categories identified within the General Plan include Natural lands, agricultural open space, rural interface, community districts, and urban fringe areas. The Land Use element identifies county goals and policies related to land use, as well as action items to achieve goals and policies.

KINGS COUNTY DEVELOPMENT CODE

The Kings County Development Code assigns parcels within unincorporated Kings County with zoning designations. The development code defines the various zoning districts and identifies uses that are allowed, conditionally allowed, or prohibited within each district. In addition to the general zoning districts, the development code also identifies overlay zones, which are areas that enhance or supplement a parcel’s base zoning.

10.0 NOISE

10.1 FEDERAL

THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

The U.S. Department of Housing and Urban Development (HUD) provides noise standards to encourage the control of noise at its source in cooperation with other Federal departments and agencies, and encourage land use patterns for housing and other noise sensitive urban needs that will provide a suitable separation between them and major noise sources. HUD considers an acceptable noise level for residential units to be 65 Db.

THE FEDERAL INTERAGENCY COMMITTEE ON NOISE

The Federal Interagency Committee on Noise (FICON) provides guidance in how to assess noise impacts resulting from aircraft operations, shown in **Table 3**. However, although FICON recommendations were specifically developed to assess aircraft noise impacts, these criteria have been applied to other sources of noise similarly described in terms of cumulative noise exposure metrics.

TABLE 3: SIGNIFICANCE OF CHANGES IN NOISE EXPOSURE LEVELS

| Ambient Noise Level Without Project, Ldn | Increase Required For Significant Impact |
|---|---|
| < 60 dB | + 5.0 dB or more |
| 60 to 65 dB | + 3.0 dB or more |
| > 65 dB | + 1.5 dB or more |
| SOURCE: FICON, 1992 | |

10.2 STATE AND LOCAL

CALIFORNIA NOISE INSULATION STANDARDS

The State of California establishes noise limits for vehicles licensed to operate on public roads. The State has also established noise insulation standards for new multi-family residential units, hotels, and motels that would be subject to high levels of transportation-related noise. The requirements are collectively known as the California Noise Insulation Standards (CNIS; Title 24, CCR). The CNIS set forth an interior day-night average noise level (Ldn) standard of 45 dB in a habitable room. Acoustical analysis demonstrating how dwelling units have been designed to meet this interior standard are required where such units are proposed in areas subject to noise levels greater than 60 dB Ldn.

KINGS COUNTY GENERAL PLAN

The Noise Element of the County's General Plan sets acceptable noise levels and facilitates allowable activities based on land uses and proximity of sensitive receptors. According to the General Plan, the purpose of the Noise Element is "to identify the existing and projected future noise environment in Kings County, and provide policy direction and implementation efforts to protect County residents from exposure to excessive noise levels."

11.0 PUBLIC SERVICES

11.1 FEDERAL

ASSEMBLY BILL 939

Management of non-hazardous solid waste is mandated by Assembly Bill (AB) 939, the California Integrated Waste Management Act. AB 939 and California Public Resources Code 41780 require local jurisdictions, cities, and counties to divert 50 percent of the total waste stream from landfill disposal by the year 2000 and each year thereafter (using 1990 as the base year).

11.2 STATE AND LOCAL

KINGS COUNTY GENERAL PLAN

The Health and Safety element of the County General Plan addresses public service concerns such as police services, firefighting services, and emergency medical services. The Kings County Fire Department provides fire protection services and is trained in emergency medical response. Additionally, there are five American Ambulance staging areas within Kings County. The Kings County Sheriff's Office provides law enforcement response services, and the California Highway Patrol provides traffic enforcement.

12.0 HAZARDOUS MATERIALS

12.1 FEDERAL

RESOURCE CONSERVATION AND RECOVERY ACT

The Resource Conservation and Recovery Act of 1976 (RCRA) establishes framework for the proper management of hazardous and nonhazardous solid waste. The USEPA regulates the comprehensive program at active and future facilities to ensure that hazardous waste is managed safely during generation, transportation, and recycling, treatment, storing, and/or disposal, or from "cradle to grave." "Cradle-to-grave" requires detailed documentation and recordkeeping in order to ensure proper accountability for violations of applicable regulations in CFR Titles 29, 40, and 49.

TOXIC SUBSTANCES CONTROL ACT

The Toxic Substances Control Act of 1976 (TSCA) provides the USEPA with authority to require reporting, recordkeeping, and testing requirements, and restrictions related to chemical substances and/or mixtures. TSCA addresses the production, importation, use, and disposal of specific chemicals, including polychlorinated biphenyls, asbestos, radon, and lead-based paint. The Food and Drug Administration regulates food additives and contaminants, drugs, medical devices, and cosmetics. The Federal Insecticide, Fungicide, and Rodenticide Act provides federal regulation of pesticide distribution, sale, and use, and addresses the certification and training of pesticide applicators.

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT

The Comprehensive Environmental Response, Compensation, and Liability Act of 1980, also known as Superfund, provides funds to clean up uncontrolled, closed, or abandoned hazardous waste sites, as well as

accidents, spills, and other emergency releases of pollutants and contaminants into the environment. The USEPA cleans up orphan sites when potentially responsible parties cannot be identified or located, or when they fail to act.

12.2 STATE AND LOCAL

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

The California Environmental Protection Agency (CalEPA) implements, and enforces laws that regulate air, water and soil quality, pesticide use, and waste recycling/reduction. CalEPA oversees activities of the Office of Environmental Health Hazard Assessment, the SWRCB, the Air Resources Board, the Department of Pesticide Regulation, Department of Toxic Substances Control (DTSC), and the Department of Resources Recycling and Recovery. The DTSC takes enforcement actions against violators, oversees hazardous wastes on contaminated properties, makes decisions on permit applications from companies that want to store, treat, or dispose of hazardous waste, and protects consumers against toxic ingredients in everyday products.

CALIFORNIA CODE OF REGULATIONS, TITLE 22, DIVISION 4.5

CCR Title 22, Divisions 4 and Division 4.5 address off-Reservation environmental and public health standards for the management of hazardous waste. Hazardous materials are defined as those that pose a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment (22 CCR § 66260.10). Hazardous waste as defined in 22 CCR § 66261.3 includes acutely hazardous waste, extremely hazardous waste, non-RCRA hazardous waste, RCRA hazardous waste, special waste, and universal waste.

CALIFORNIA HEALTH AND SAFETY CODE, DIVISION 20, CHAPTER 6.95

California Health and Safety Code, Division 20, Chapter 6.95 requires off-Reservation businesses to plan and prepare for a chemical emergency through the preparation of a Hazardous Materials Inventory and a Hazardous Materials Business Plan (HMBP). The local Certified Unified Program Agency conducts routine inspections at businesses required to submit HMBPs via California's Environmental Reporting System website.

KINGS COUNTY GENERAL PLAN

The Health and Safety Element of the Kings County General Plan addresses use and production of hazardous materials within the unincorporated portions of the County. The General Plan includes information from the Kings County Area Plan for Hazardous Materials Emergency Response. The County Plan attempts to reduce production and use of hazardous materials within the County and outlines policies for proper storage, use, and disposal.

13.0 VISUAL RESOURCES

13.1 FEDERAL

NATIONAL SCENIC BYWAY PROGRAM

The National Scenic Byway Program was established by Congress in 1991 as the Intermodal Surface Transportation Efficiency Act. The Program is administered by the Federal Highway Administration and was established to preserve scenic but less-traveled roadways. A national scenic byway is a road recognized by the U.S. Department of Transportation for one or more of six intrinsic qualities. Intrinsic qualities include archeological, cultural, historic, natural, recreational, and scenic.

National scenic byways must already be designated as state scenic byways or must possess all six intrinsic qualities to be nominated.

13.2 STATE AND LOCAL

STATE SCENIC HIGHWAYS

In 1963, the State Legislature established the California Scenic Highway Program through Senate Bill 1467 and 1468, provisions of which were added to the Streets and Highways Code. Scenic highway designation does not preclude nearby development; however, the program encourages development that does not degrade the scenic value of the highway corridor.

KINGS COUNTY GENERAL PLAN

According to the County's General Plan, State Routes 41 and 33 provide views of scenic resources in the County. Additionally, the General Plan considers natural waterways, valley oak woodlands, and hilled and mountainous areas to be aesthetically pleasing and important aesthetic resources. Finally, the General Plan acknowledges that agricultural activities make up a significant portion of the valley floor open space within the County. The Property is designated as Agricultural land within the General Plan.

KINGS COUNTY ZONING ORDINANCE

The Kings County zoning ordinance identifies acceptable land use and activities that may be carried out on a parcel in order to facilitate land use and development in an orderly fashion. The Property parcels are zoned AG 20. The AG 20 zoning district is designed for areas in intensive agricultural use. Permitted uses in the AG 20 district include field crops, fruit and nut trees, timber production, animal raising, and bee keeping.

14.0 RECREATIONAL RESOURCES

14.1 STATE AND LOCAL

KINGS COUNTY GENERAL PLAN

The Land Use, Resource Conservation, and Open Space elements of the Kings County General Plan identify important recreational areas within the County and provide goals and policies for attaining said goals. These elements are designed to facilitate appropriate land uses surrounding recreational resources, such as transition areas around natural resources and open space. According to the General Plan, "recreational development shall be oriented away from sensitive uses, and should be hooded, shielded, and located to direct light pools downward and prevent glare."

APPENDIX B

NRCS SOIL REPORT



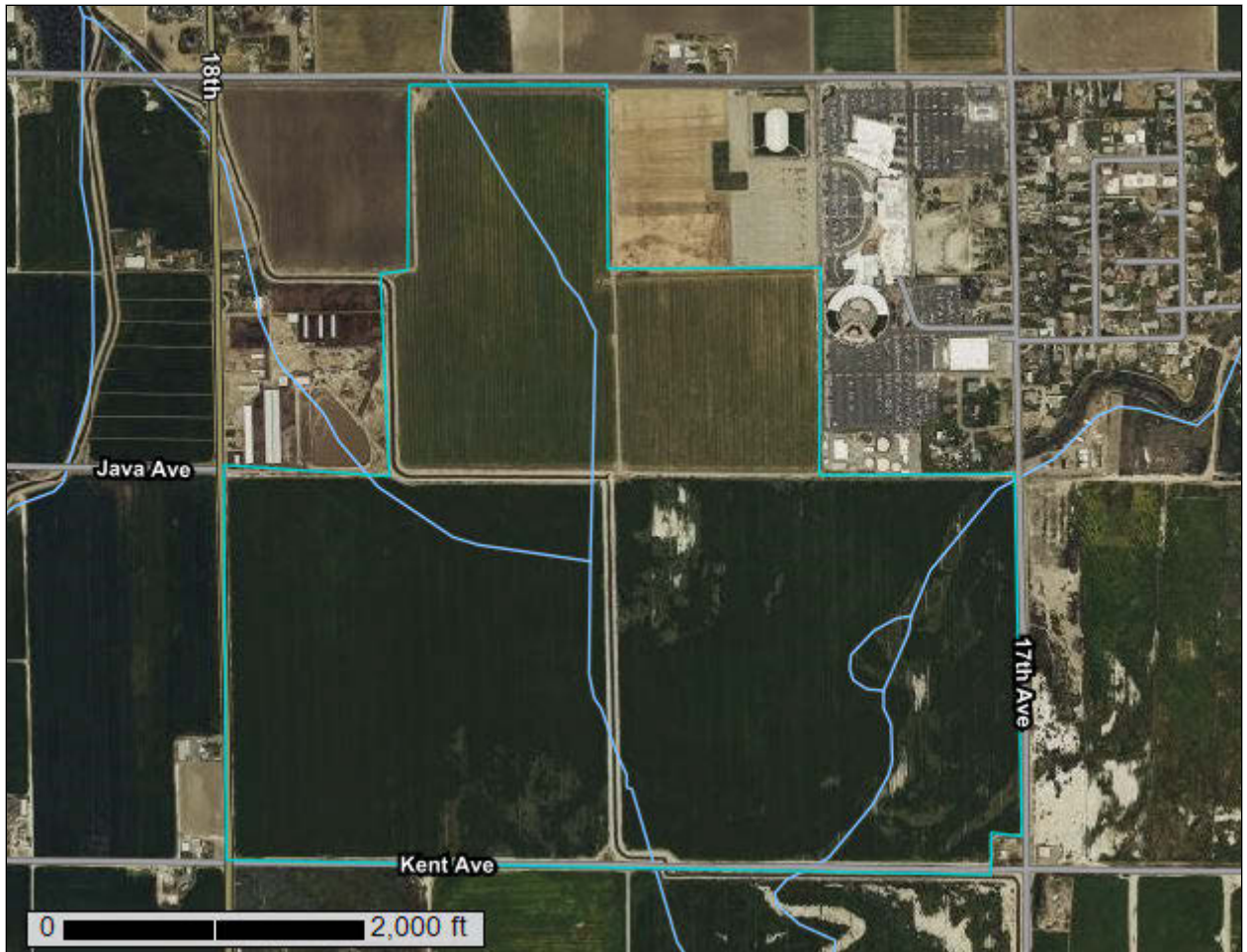
United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Kings County, California**



Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Custom Soil Resource Report

identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

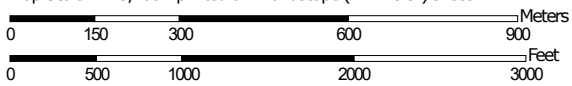
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (Santa Rosa Rancheria Gilcrease EA)




Map Scale: 1:13,400 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 11N WGS84

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)




















Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features






-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kings County, California
 Survey Area Data: Version 17, Sep 3, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 17, 2019—Mar 24, 2019

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Santa Rosa Rancheria Gilcrease EA)

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|------------------------------------|--|--------------|----------------|
| 119 | Grangeville sandy loam, saline-alkali | 78.6 | 17.9% |
| 121 | Grangeville fine sandy loam, saline-alkali, partially d rained | 132.3 | 30.2% |
| 130 | Kimberlina fine sandy loam, saline-alkali | 0.1 | 0.0% |
| 132 | Kimberlina saline alkali-Garces complex | 31.1 | 7.1% |
| 134 | Lakeside loam, partially drained | 20.7 | 4.7% |
| 137 | Lemoore sandy loam, partially drained | 175.8 | 40.1% |
| Totals for Area of Interest | | 438.5 | 100.0% |

Map Unit Descriptions (Santa Rosa Rancheria Gilcrease EA)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit

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descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Kings County, California

119—Grangeville sandy loam, saline-alkali

Map Unit Setting

National map unit symbol: hhj4

Elevation: 10 to 1,800 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 61 to 64 degrees F

Frost-free period: 250 to 275 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Grangeville and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Grangeville

Setting

Landform: Alluvial fans

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from igneous rock

Typical profile

Ap - 0 to 6 inches: sandy loam

C1 - 6 to 21 inches: sandy loam

C2 - 21 to 63 inches: stratified loamy sand to silt loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: About 0 inches

Frequency of flooding: Rare

Frequency of ponding: None

Calcium carbonate, maximum content: 3 percent

Maximum salinity: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)

Available water supply, 0 to 60 inches: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): 2w

Land capability classification (nonirrigated): 6w

Hydrologic Soil Group: B/D

Hydric soil rating: Yes

Minor Components

Armona

Percent of map unit: 3 percent

Custom Soil Resource Report

Landform: Basin floors
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Boggs

Percent of map unit: 3 percent
Landform: Alluvial flats
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Vanguard

Percent of map unit: 2 percent
Landform: Flood plains
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Gepford

Percent of map unit: 2 percent
Landform: Basin floors
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Lemoore

Percent of map unit: 2 percent
Landform: Basin floors
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Lakeside

Percent of map unit: 2 percent
Landform: Basin floors
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Nord

Percent of map unit: 1 percent
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: No

121—Grangeville fine sandy loam, saline-alkali, partially d rained

Map Unit Setting

National map unit symbol: hhj6
Elevation: 210 to 290 feet
Mean annual precipitation: 7 to 8 inches
Mean annual air temperature: 63 to 64 degrees F
Frost-free period: 250 to 275 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Grangeville and similar soils: 85 percent
Minor components: 15 percent

Custom Soil Resource Report

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Grangeville

Setting

Landform: Flood plains, alluvial fans
Landform position (two-dimensional): Toeslope, footslope
Landform position (three-dimensional): Tread, talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from granite

Typical profile

A - 0 to 10 inches: fine sandy loam
C - 10 to 60 inches: stratified sandy loam to fine sandy loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 20.0
Available water supply, 0 to 60 inches: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 2w
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: B/D
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Minor Components

Kimberlina

Percent of map unit: 3 percent
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: No

Whitewolf

Percent of map unit: 3 percent
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: No

Vanguard

Percent of map unit: 3 percent
Landform: Flood plains
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Grangeville

Percent of map unit: 3 percent

Custom Soil Resource Report

Landform: Alluvial fans
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Nord

Percent of map unit: 3 percent
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: No

130—Kimberlina fine sandy loam, saline-alkali

Map Unit Setting

National map unit symbol: hhjh
Elevation: 190 to 3,500 feet
Mean annual precipitation: 4 to 8 inches
Mean annual air temperature: 61 to 64 degrees F
Frost-free period: 210 to 300 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Kimberlina and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimberlina

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and sedimentary rock

Typical profile

Ap - 0 to 8 inches: fine sandy loam
C - 8 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0

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Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: C

Ecological site: R017XY906CA - Non-Alkali San Joaquin Valley Desert

Hydric soil rating: No

Minor Components

Excelsior

Percent of map unit: 2 percent

Hydric soil rating: No

Wasco

Percent of map unit: 2 percent

Hydric soil rating: No

Kimberlina, sandy substratum

Percent of map unit: 2 percent

Hydric soil rating: No

Nord

Percent of map unit: 2 percent

Hydric soil rating: No

Cajon

Percent of map unit: 1 percent

Hydric soil rating: No

Unnamed, rare flooding

Percent of map unit: 1 percent

Landform: Sloughs

Hydric soil rating: Yes

Garces

Percent of map unit: 1 percent

Hydric soil rating: No

Melga

Percent of map unit: 1 percent

Hydric soil rating: No

Remnoy

Percent of map unit: 1 percent

Hydric soil rating: No

Yound

Percent of map unit: 1 percent

Hydric soil rating: No

Unnamed, rare flooding

Percent of map unit: 1 percent

Hydric soil rating: No

132—Kimberlina saline alkali-Garces complex

Map Unit Setting

National map unit symbol: h hjk
Elevation: 190 to 3,500 feet
Mean annual precipitation: 4 to 8 inches
Mean annual air temperature: 61 to 64 degrees F
Frost-free period: 210 to 300 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimberlina and similar soils: 50 percent
Garces and similar soils: 35 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimberlina

Setting

Landform: Alluvial fans
Landform position (two-dimensional): Footslope
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and sedimentary rock

Typical profile

Ap - 0 to 8 inches: fine sandy loam
C - 8 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 2 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Slightly saline to moderately saline (4.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 25.0
Available water supply, 0 to 60 inches: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): 2s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: C
Ecological site: R017XY906CA - Non-Alkali San Joaquin Valley Desert

Custom Soil Resource Report

Hydric soil rating: No

Description of Garces

Setting

Landform: Alluvial fans

Landform position (two-dimensional): Footslope

Landform position (three-dimensional): Tread

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from igneous and sedimentary rock

Typical profile

A - 0 to 9 inches: loam

Btk1 - 9 to 17 inches: clay loam

Btk2 - 17 to 22 inches: sandy clay loam

Ck - 22 to 60 inches: stratified sandy loam to clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: 9 inches to natric

Drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Moderately saline to strongly saline (8.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum: 30.0

Available water supply, 0 to 60 inches: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R017XY906CA - Non-Alkali San Joaquin Valley Desert

Hydric soil rating: No

Minor Components

Cajon

Percent of map unit: 4 percent

Ecological site: R017XY907CA - Aridic Alkali Desert

Hydric soil rating: No

Goldberg

Percent of map unit: 3 percent

Landform: Alluvial flats

Ecological site: R017XY907CA - Aridic Alkali Desert

Hydric soil rating: Yes

Lakeside

Percent of map unit: 3 percent

Landform: Rims

Ecological site: R017XY907CA - Aridic Alkali Desert

Hydric soil rating: Yes

Lemoore

Percent of map unit: 2 percent
Landform: Alluvial flats
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Nord

Percent of map unit: 1 percent
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: No

Unnamed, rare flooding

Percent of map unit: 1 percent
Landform: Sloughs
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: Yes

Unnamed, rare flooding

Percent of map unit: 1 percent
Ecological site: R017XY907CA - Aridic Alkali Desert
Hydric soil rating: No

134—Lakeside loam, partially drained

Map Unit Setting

National map unit symbol: hhjm
Elevation: 170 to 260 feet
Mean annual precipitation: 8 inches
Mean annual air temperature: 64 degrees F
Frost-free period: 190 to 240 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Lakeside and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lakeside

Setting

Landform: Rims on basin floors
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and sedimentary rock

Typical profile

Ap - 0 to 17 inches: loam
Czg - 17 to 60 inches: stratified sandy loam to clay

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Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat poorly drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)

Depth to water table: About 0 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Maximum salinity: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)

Sodium adsorption ratio, maximum: 35.0

Available water supply, 0 to 60 inches: Moderate (about 7.0 inches)

Interpretive groups

Land capability classification (irrigated): 2w

Land capability classification (nonirrigated): 6w

Hydrologic Soil Group: C/D

Hydric soil rating: Yes

Minor Components

Armona

Percent of map unit: 4 percent

Landform: Basin floors

Hydric soil rating: Yes

Goldberg

Percent of map unit: 2 percent

Landform: Alluvial flats

Hydric soil rating: Yes

Homeland

Percent of map unit: 2 percent

Landform: Basin floors

Hydric soil rating: Yes

Lakeside

Percent of map unit: 2 percent

Landform: Basin floors

Hydric soil rating: Yes

Westcamp

Percent of map unit: 2 percent

Landform: Basin floors

Hydric soil rating: Yes

Grangeville

Percent of map unit: 2 percent

Landform: Alluvial fans

Hydric soil rating: Yes

Unnamed, rare flooding

Percent of map unit: 1 percent

Hydric soil rating: No

137—Lemoore sandy loam, partially drained

Map Unit Setting

National map unit symbol: hhjq
Elevation: 210 to 230 feet
Mean annual precipitation: 7 inches
Mean annual air temperature: 63 degrees F
Frost-free period: 250 to 275 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Lemoore and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Lemoore

Setting

Landform: Rims on basin floors
Landform position (two-dimensional): Toeslope
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from igneous and sedimentary rock

Typical profile

Ap - 0 to 7 inches: sandy loam
C - 7 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)
Depth to water table: About 0 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 3 percent
Maximum salinity: Slightly saline to strongly saline (4.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 40.0
Available water supply, 0 to 60 inches: Low (about 3.7 inches)

Interpretive groups

Land capability classification (irrigated): 2w
Land capability classification (nonirrigated): 7w
Hydrologic Soil Group: B/D
Hydric soil rating: Yes

Minor Components

Grangeville

Percent of map unit: 3 percent
Landform: Alluvial fans
Hydric soil rating: Yes

Kimberlina

Percent of map unit: 2 percent
Hydric soil rating: No

Grangeville

Percent of map unit: 2 percent
Landform: Alluvial fans
Hydric soil rating: Yes

Lakeside

Percent of map unit: 2 percent
Landform: Basin floors
Hydric soil rating: Yes

Nord

Percent of map unit: 2 percent
Hydric soil rating: No

Cajon

Percent of map unit: 2 percent
Hydric soil rating: No

Boggs

Percent of map unit: 2 percent
Landform: Alluvial flats
Hydric soil rating: Yes

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APPENDIX C

CALEEMOD FILES

Gilcrease EA - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

**Gilcrease EA
Kings County, Annual**

1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------|--------|---------------|-------------|--------------------|------------|
| Mobile Home Park | 155.00 | Dwelling Unit | 61.20 | 186,000.00 | 443 |
| City Park | 5.00 | Acre | 5.00 | 217,800.00 | 0 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 37 |
| Climate Zone | 3 | | | Operational Year | 2023 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Site Plan
- Construction Phase - Construction Phase
- Grading - Balanced cut/fill

| Table Name | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays | 40.00 | 5.00 |
| tblConstructionPhase | NumDays | 110.00 | 15.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 220.00 |
| tblConstructionPhase | NumDays | 75.00 | 10.00 |
| tblConstructionPhase | NumDays | 75.00 | 10.00 |

Gilcrease EA - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | | | |
|---------------------------|-------------------|------------|------------|
| tblConstructionPhase | PhaseEndDate | 2/24/2023 | 1/6/2023 |
| tblConstructionPhase | PhaseEndDate | 7/28/2023 | 1/27/2023 |
| tblConstructionPhase | PhaseEndDate | 10/29/2027 | 12/1/2023 |
| tblConstructionPhase | PhaseEndDate | 2/11/2028 | 12/15/2023 |
| tblConstructionPhase | PhaseEndDate | 5/26/2028 | 12/29/2023 |
| tblConstructionPhase | PhaseStartDate | 2/25/2023 | 1/7/2023 |
| tblConstructionPhase | PhaseStartDate | 7/29/2023 | 1/28/2023 |
| tblConstructionPhase | PhaseStartDate | 10/30/2027 | 12/2/2023 |
| tblConstructionPhase | PhaseStartDate | 2/12/2028 | 12/16/2023 |
| tblGrading | AcresOfGrading | 45.00 | 330.00 |
| tblGrading | AcresOfGrading | 7.50 | 60.00 |
| tblLandUse | LotAcreage | 19.53 | 61.20 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |

2.0 Emissions Summary

Gilcrease EA - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 1-1-2023 | 3-31-2023 | 0.7941 | 0.7941 |
| 2 | 4-1-2023 | 6-30-2023 | 0.6356 | 0.6356 |
| 3 | 7-1-2023 | 9-30-2023 | 0.6426 | 0.6426 |
| | | Highest | 0.7941 | 0.7941 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 1.1025 | 0.0947 | 2.6102 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1496 | 1.2300e-003 | 104.4642 |
| Energy | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 204.2364 | 204.2364 | 0.0145 | 3.8400e-003 | 205.7433 |
| Mobile | 0.4430 | 0.9357 | 4.5270 | 0.0114 | 1.0560 | 0.0106 | 1.0665 | 0.2823 | 9.9300e-003 | 0.2922 | 0.0000 | 1,061.5373 | 1,061.5373 | 0.0498 | 0.0607 | 1,080.8619 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 14.5605 | 0.0000 | 14.5605 | 0.8605 | 0.0000 | 36.0731 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.2039 | 9.0469 | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |
| Total | 1.5586 | 1.1425 | 7.1849 | 0.0172 | 1.0560 | 0.2647 | 1.3206 | 0.2823 | 0.2641 | 0.5464 | 49.0956 | 1,343.8478 | 1,392.9434 | 1.4049 | 0.0737 | 1,450.0252 |

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2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-------------------|-------------------|---------------|---------------|-------------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 1.1025 | 0.0947 | 2.6102 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1496 | 1.2300e-003 | 104.4642 |
| Energy | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 204.2364 | 204.2364 | 0.0145 | 3.8400e-003 | 205.7433 |
| Mobile | 0.4430 | 0.9357 | 4.5270 | 0.0114 | 1.0560 | 0.0106 | 1.0665 | 0.2823 | 9.9300e-003 | 0.2922 | 0.0000 | 1,061.5373 | 1,061.5373 | 0.0498 | 0.0607 | 1,080.8619 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 14.5605 | 0.0000 | 14.5605 | 0.8605 | 0.0000 | 36.0731 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.2039 | 9.0469 | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |
| Total | 1.5586 | 1.1425 | 7.1849 | 0.0172 | 1.0560 | 0.2647 | 1.3206 | 0.2823 | 0.2641 | 0.5464 | 49.0956 | 1,343.8478 | 1,392.9434 | 1.4049 | 0.0737 | 1,450.0252 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/1/2023 | 1/6/2023 | 5 | 5 | |
| 2 | Grading | Grading | 1/7/2023 | 1/27/2023 | 5 | 15 | |
| 3 | Building Construction | Building Construction | 1/28/2023 | 12/1/2023 | 5 | 220 | |

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| | | | | | | |
|---|-----------------------|-----------------------|------------|------------|---|----|
| 4 | Paving | Paving | 12/2/2023 | 12/15/2023 | 5 | 10 |
| 5 | Architectural Coating | Architectural Coating | 12/16/2023 | 12/29/2023 | 5 | 10 |

Acres of Grading (Site Preparation Phase): 60

Acres of Grading (Grading Phase): 330

Acres of Paving: 0

Residential Indoor: 376,650; Residential Outdoor: 125,550; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 203.00 | 52.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 41.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0770 | 0.0000 | 0.0770 | 0.0283 | 0.0000 | 0.0283 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | | 3.1700e-003 | 3.1700e-003 | | 2.9100e-003 | 2.9100e-003 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |
| Total | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | 0.0770 | 3.1700e-003 | 0.0802 | 0.0283 | 2.9100e-003 | 0.0312 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |
| Total | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0770 | 0.0000 | 0.0770 | 0.0283 | 0.0000 | 0.0283 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | | 3.1700e-003 | 3.1700e-003 | | 2.9100e-003 | 2.9100e-003 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |
| Total | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | 0.0770 | 3.1700e-003 | 0.0802 | 0.0283 | 2.9100e-003 | 0.0312 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |
| Total | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |

3.3 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2202 | 0.0000 | 0.2202 | 0.0437 | 0.0000 | 0.0437 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | | 0.0107 | 0.0107 | | 9.8300e-003 | 9.8300e-003 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |
| Total | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | 0.2202 | 0.0107 | 0.2308 | 0.0437 | 9.8300e-003 | 0.0536 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |

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3.3 Grading - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |
| Total | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2202 | 0.0000 | 0.2202 | 0.0437 | 0.0000 | 0.0437 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | | 0.0107 | 0.0107 | | 9.8300e-003 | 9.8300e-003 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |
| Total | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | 0.2202 | 0.0107 | 0.2308 | 0.0437 | 9.8300e-003 | 0.0536 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |

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3.3 Grading - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |
| Total | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9852 | 254.9852 | 0.0607 | 0.0000 | 256.5017 |
| Total | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9852 | 254.9852 | 0.0607 | 0.0000 | 256.5017 |

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.7200e-003 | 0.2385 | 0.0821 | 1.0800e-003 | 0.0345 | 1.5300e-003 | 0.0360 | 9.9500e-003 | 1.4600e-003 | 0.0114 | 0.0000 | 103.3620 | 103.3620 | 4.1000e-004 | 0.0150 | 107.8312 |
| Worker | 0.0885 | 0.0657 | 0.7953 | 2.3700e-003 | 0.2789 | 1.3700e-003 | 0.2803 | 0.0741 | 1.2600e-003 | 0.0754 | 0.0000 | 220.0937 | 220.0937 | 5.2700e-003 | 5.7300e-003 | 221.9328 |
| Total | 0.0952 | 0.3042 | 0.8775 | 3.4500e-003 | 0.3134 | 2.9000e-003 | 0.3163 | 0.0841 | 2.7200e-003 | 0.0868 | 0.0000 | 323.4557 | 323.4557 | 5.6800e-003 | 0.0207 | 329.7640 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9849 | 254.9849 | 0.0607 | 0.0000 | 256.5013 |
| Total | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9849 | 254.9849 | 0.0607 | 0.0000 | 256.5013 |

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.7200e-003 | 0.2385 | 0.0821 | 1.0800e-003 | 0.0345 | 1.5300e-003 | 0.0360 | 9.9500e-003 | 1.4600e-003 | 0.0114 | 0.0000 | 103.3620 | 103.3620 | 4.1000e-004 | 0.0150 | 107.8312 |
| Worker | 0.0885 | 0.0657 | 0.7953 | 2.3700e-003 | 0.2789 | 1.3700e-003 | 0.2803 | 0.0741 | 1.2600e-003 | 0.0754 | 0.0000 | 220.0937 | 220.0937 | 5.2700e-003 | 5.7300e-003 | 221.9328 |
| Total | 0.0952 | 0.3042 | 0.8775 | 3.4500e-003 | 0.3134 | 2.9000e-003 | 0.3163 | 0.0841 | 2.7200e-003 | 0.0868 | 0.0000 | 323.4557 | 323.4557 | 5.6800e-003 | 0.0207 | 329.7640 |

3.5 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |

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3.5 Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |
| Total | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |

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3.5 Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |
| Total | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.7458 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.6000e-004 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |
| Total | 1.7467 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |
| Total | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.7458 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.6000e-004 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |
| Total | 1.7467 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |

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3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |
| Total | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.4430 | 0.9357 | 4.5270 | 0.0114 | 1.0560 | 0.0106 | 1.0665 | 0.2823 | 9.9300e-003 | 0.2922 | 0.0000 | 1,061.5373 | 1,061.5373 | 0.0498 | 0.0607 | 1,080.8619 |
| Unmitigated | 0.4430 | 0.9357 | 4.5270 | 0.0114 | 1.0560 | 0.0106 | 1.0665 | 0.2823 | 9.9300e-003 | 0.2922 | 0.0000 | 1,061.5373 | 1,061.5373 | 0.0498 | 0.0607 | 1,080.8619 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 3.90 | 9.80 | 10.95 | 14,181 | 14,181 |
| Mobile Home Park | 775.00 | 714.55 | 657.20 | 2,787,313 | 2,787,313 |
| Total | 778.90 | 724.35 | 668.15 | 2,801,493 | 2,801,493 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 14.70 | 6.60 | 6.60 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Mobile Home Park | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.499450 | 0.050999 | 0.167682 | 0.169158 | 0.030998 | 0.006865 | 0.008236 | 0.035978 | 0.000633 | 0.000190 | 0.024959 | 0.001183 | 0.003668 |
| Mobile Home Park | 0.499450 | 0.050999 | 0.167682 | 0.169158 | 0.030998 | 0.006865 | 0.008236 | 0.035978 | 0.000633 | 0.000190 | 0.024959 | 0.001183 | 0.003668 |

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 74.3357 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 74.3357 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| NaturalGas Mitigated | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |
| NaturalGas Unmitigated | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 2.43425e+006 | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |
| Total | | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 2.43425e+006 | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |
| Total | | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |

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5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----------------|----------------|---------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 803422 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Total | | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----------------|----------------|---------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 803422 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Total | | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |

6.0 Area Detail

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6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 1.1025 | 0.0947 | 2.6102 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1496 | 1.2300e-003 | 104.4642 |
| Unmitigated | 1.1025 | 0.0947 | 2.6102 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1496 | 1.2300e-003 | 104.4642 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|----------------|-----------------|---------------|--------------------|-----------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1746 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.7285 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.1647 | 0.0814 | 1.4590 | 5.0500e-003 | | 0.2387 | 0.2387 | | 0.2387 | 0.2387 | 31.3311 | 67.1472 | 98.4783 | 0.1478 | 1.2300e-003 | 102.5389 |
| Landscaping | 0.0347 | 0.0133 | 1.1512 | 6.0000e-005 | | 6.3700e-003 | 6.3700e-003 | | 6.3700e-003 | 6.3700e-003 | 0.0000 | 1.8801 | 1.8801 | 1.8100e-003 | 0.0000 | 1.9253 |
| Total | 1.1025 | 0.0947 | 2.6102 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1496 | 1.2300e-003 | 104.4642 |

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6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|----------------|-----------------|---------------|--------------------|-----------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1746 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.7285 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.1647 | 0.0814 | 1.4590 | 5.0500e-003 | | 0.2387 | 0.2387 | | 0.2387 | 0.2387 | 31.3311 | 67.1472 | 98.4783 | 0.1478 | 1.2300e-003 | 102.5389 |
| Landscaping | 0.0347 | 0.0133 | 1.1512 | 6.0000e-005 | | 6.3700e-003 | 6.3700e-003 | | 6.3700e-003 | 6.3700e-003 | 0.0000 | 1.8801 | 1.8801 | 1.8100e-003 | 0.0000 | 1.9253 |
| Total | 1.1025 | 0.0947 | 2.6102 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1496 | 1.2300e-003 | 104.4642 |

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |
| Unmitigated | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| City Park | 0 / 5.95741 | 1.9292 | 3.1000e-004 | 4.0000e-005 | 1.9483 |
| Mobile Home Park | 10.0989 / 6.36668 | 10.3216 | 0.3302 | 7.9100e-003 | 20.9343 |
| Total | | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| City Park | 0 / 5.95741 | 1.9292 | 3.1000e-004 | 4.0000e-005 | 1.9483 |
| Mobile Home Park | 10.0989 / 6.36668 | 10.3216 | 0.3302 | 7.9100e-003 | 20.9343 |
| Total | | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 14.5605 | 0.8605 | 0.0000 | 36.0731 |
| Unmitigated | 14.5605 | 0.8605 | 0.0000 | 36.0731 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| City Park | 0.43 | 0.0873 | 5.1600e-003 | 0.0000 | 0.2163 |
| Mobile Home Park | 71.3 | 14.4733 | 0.8553 | 0.0000 | 35.8569 |
| Total | | 14.5606 | 0.8605 | 0.0000 | 36.0731 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| City Park | 0.43 | 0.0873 | 5.1600e-003 | 0.0000 | 0.2163 |
| Mobile Home Park | 71.3 | 14.4733 | 0.8553 | 0.0000 | 35.8569 |
| Total | | 14.5606 | 0.8605 | 0.0000 | 36.0731 |

9.0 Operational Offroad

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

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1.0 Project Characteristics

1.1 Land Usage

| Land Uses | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------|--------|---------------|-------------|--------------------|------------|
| City Park | 5.00 | Acre | 5.00 | 217,800.00 | 0 |
| Mobile Home Park | 155.00 | Dwelling Unit | 61.20 | 186,000.00 | 443 |

1.2 Other Project Characteristics

| | | | | | |
|--------------------------------|----------------------------------|--------------------------------|-------|----------------------------------|-------|
| Urbanization | Rural | Wind Speed (m/s) | 2.2 | Precipitation Freq (Days) | 37 |
| Climate Zone | 3 | | | Operational Year | 2030 |
| Utility Company | Pacific Gas and Electric Company | | | | |
| CO2 Intensity (lb/MWhr) | 203.98 | CH4 Intensity (lb/MWhr) | 0.033 | N2O Intensity (lb/MWhr) | 0.004 |

1.3 User Entered Comments & Non-Default Data

- Project Characteristics -
- Land Use - Site Plan
- Construction Phase - Construction Phase
- Grading - Balanced cut/fill
- Vehicle Trips - Trips

| Table Name | Column Name | Default Value | New Value |
|----------------------|-------------|---------------|-----------|
| tblConstructionPhase | NumDays | 40.00 | 5.00 |
| tblConstructionPhase | NumDays | 110.00 | 15.00 |
| tblConstructionPhase | NumDays | 1,110.00 | 220.00 |
| tblConstructionPhase | NumDays | 75.00 | 10.00 |

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| | | | |
|---------------------------|-------------------|-------|--------|
| tblConstructionPhase | NumDays | 75.00 | 10.00 |
| tblGrading | AcresOfGrading | 45.00 | 330.00 |
| tblGrading | AcresOfGrading | 7.50 | 60.00 |
| tblLandUse | LotAcreage | 19.53 | 61.20 |
| tblProjectCharacteristics | UrbanizationLevel | Urban | Rural |
| tblVehicleTrips | ST_TR | 4.61 | 2.30 |
| tblVehicleTrips | SU_TR | 4.24 | 2.10 |
| tblVehicleTrips | WD_TR | 5.00 | 2.50 |

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|-----------|--|--|
| 1 | 1-1-2023 | 3-31-2023 | 0.7941 | 0.7941 |
| 2 | 4-1-2023 | 6-30-2023 | 0.6356 | 0.6356 |
| 3 | 7-1-2023 | 9-30-2023 | 0.6426 | 0.6426 |
| | | Highest | 0.7941 | 0.7941 |

2.2 Overall Operational

Unmitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 1.1021 | 0.0946 | 2.6069 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1495 | 1.2300e-003 | 104.4638 |
| Energy | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 204.2364 | 204.2364 | 0.0145 | 3.8400e-003 | 205.7433 |
| Mobile | 0.1676 | 0.3474 | 1.7235 | 4.6500e-003 | 0.5292 | 4.0600e-003 | 0.5332 | 0.1414 | 3.8300e-003 | 0.1452 | 0.0000 | 452.2389 | 452.2389 | 0.0186 | 0.0241 | 459.8975 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 14.5605 | 0.0000 | 14.5605 | 0.8605 | 0.0000 | 36.0731 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.2039 | 9.0469 | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |
| Total | 1.2828 | 0.5542 | 4.3782 | 0.0105 | 0.5292 | 0.2582 | 0.7874 | 0.1414 | 0.2580 | 0.3993 | 49.0956 | 734.5494 | 783.6449 | 1.3737 | 0.0372 | 829.0603 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

2.2 Overall Operational

Mitigated Operational

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Area | 1.1021 | 0.0946 | 2.6069 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1495 | 1.2300e-003 | 104.4638 |
| Energy | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 204.2364 | 204.2364 | 0.0145 | 3.8400e-003 | 205.7433 |
| Mobile | 0.1676 | 0.3474 | 1.7235 | 4.6500e-003 | 0.5292 | 4.0600e-003 | 0.5332 | 0.1414 | 3.8300e-003 | 0.1452 | 0.0000 | 452.2389 | 452.2389 | 0.0186 | 0.0241 | 459.8975 |
| Waste | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 14.5605 | 0.0000 | 14.5605 | 0.8605 | 0.0000 | 36.0731 |
| Water | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 3.2039 | 9.0469 | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |
| Total | 1.2828 | 0.5542 | 4.3782 | 0.0105 | 0.5292 | 0.2582 | 0.7874 | 0.1414 | 0.2580 | 0.3993 | 49.0956 | 734.5494 | 783.6449 | 1.3737 | 0.0372 | 829.0603 |

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.0 Construction Detail

Construction Phase

| Phase Number | Phase Name | Phase Type | Start Date | End Date | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|-----------|---------------|----------|-------------------|
| 1 | Site Preparation | Site Preparation | 1/1/2023 | 1/6/2023 | 5 | 5 | |
| 2 | Grading | Grading | 1/7/2023 | 1/27/2023 | 5 | 15 | |
| 3 | Building Construction | Building Construction | 1/28/2023 | 12/1/2023 | 5 | 220 | |

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| | | | | | | |
|---|-----------------------|-----------------------|------------|------------|---|----|
| 4 | Paving | Paving | 12/2/2023 | 12/15/2023 | 5 | 10 |
| 5 | Architectural Coating | Architectural Coating | 12/16/2023 | 12/29/2023 | 5 | 10 |

Acres of Grading (Site Preparation Phase): 60

Acres of Grading (Grading Phase): 330

Acres of Paving: 0

Residential Indoor: 376,650; Residential Outdoor: 125,550; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

| Phase Name | Offroad Equipment Type | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Site Preparation | Rubber Tired Dozers | 3 | 8.00 | 247 | 0.40 |
| Site Preparation | Tractors/Loaders/Backhoes | 4 | 8.00 | 97 | 0.37 |
| Grading | Excavators | 2 | 8.00 | 158 | 0.38 |
| Grading | Graders | 1 | 8.00 | 187 | 0.41 |
| Grading | Rubber Tired Dozers | 1 | 8.00 | 247 | 0.40 |
| Grading | Scrapers | 2 | 8.00 | 367 | 0.48 |
| Grading | Tractors/Loaders/Backhoes | 2 | 8.00 | 97 | 0.37 |
| Building Construction | Cranes | 1 | 7.00 | 231 | 0.29 |
| Building Construction | Forklifts | 3 | 8.00 | 89 | 0.20 |
| Building Construction | Generator Sets | 1 | 8.00 | 84 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97 | 0.37 |
| Building Construction | Welders | 1 | 8.00 | 46 | 0.45 |
| Paving | Pavers | 2 | 8.00 | 130 | 0.42 |
| Paving | Paving Equipment | 2 | 8.00 | 132 | 0.36 |
| Paving | Rollers | 2 | 8.00 | 80 | 0.38 |
| Architectural Coating | Air Compressors | 1 | 6.00 | 78 | 0.48 |

Trips and VMT

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| Phase Name | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Site Preparation | 7 | 18.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Grading | 8 | 20.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Building Construction | 9 | 203.00 | 52.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Paving | 6 | 15.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |
| Architectural Coating | 1 | 41.00 | 0.00 | 0.00 | 16.80 | 6.60 | 20.00 | LD_Mix | HDT_Mix | HHDT |

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0770 | 0.0000 | 0.0770 | 0.0283 | 0.0000 | 0.0283 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | | 3.1700e-003 | 3.1700e-003 | | 2.9100e-003 | 2.9100e-003 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |
| Total | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | 0.0770 | 3.1700e-003 | 0.0802 | 0.0283 | 2.9100e-003 | 0.0312 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |

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3.2 Site Preparation - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |
| Total | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.0770 | 0.0000 | 0.0770 | 0.0283 | 0.0000 | 0.0283 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | | 3.1700e-003 | 3.1700e-003 | | 2.9100e-003 | 2.9100e-003 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |
| Total | 6.6500e-003 | 0.0688 | 0.0456 | 1.0000e-004 | 0.0770 | 3.1700e-003 | 0.0802 | 0.0283 | 2.9100e-003 | 0.0312 | 0.0000 | 8.3627 | 8.3627 | 2.7000e-003 | 0.0000 | 8.4303 |

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3.2 Site Preparation - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |
| Total | 1.8000e-004 | 1.3000e-004 | 1.6000e-003 | 0.0000 | 5.6000e-004 | 0.0000 | 5.6000e-004 | 1.5000e-004 | 0.0000 | 1.5000e-004 | 0.0000 | 0.4435 | 0.4435 | 1.0000e-005 | 1.0000e-005 | 0.4472 |

3.3 Grading - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2202 | 0.0000 | 0.2202 | 0.0437 | 0.0000 | 0.0437 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | | 0.0107 | 0.0107 | | 9.8300e-003 | 9.8300e-003 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |
| Total | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | 0.2202 | 0.0107 | 0.2308 | 0.0437 | 9.8300e-003 | 0.0536 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |

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3.3 Grading - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |
| Total | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Fugitive Dust | | | | | 0.2202 | 0.0000 | 0.2202 | 0.0437 | 0.0000 | 0.0437 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | | 0.0107 | 0.0107 | | 9.8300e-003 | 9.8300e-003 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |
| Total | 0.0249 | 0.2589 | 0.2104 | 4.7000e-004 | 0.2202 | 0.0107 | 0.2308 | 0.0437 | 9.8300e-003 | 0.0536 | 0.0000 | 40.9014 | 40.9014 | 0.0132 | 0.0000 | 41.2321 |

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3.3 Grading - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |
| Total | 5.9000e-004 | 4.4000e-004 | 5.3400e-003 | 2.0000e-005 | 1.8700e-003 | 1.0000e-005 | 1.8800e-003 | 5.0000e-004 | 1.0000e-005 | 5.1000e-004 | 0.0000 | 1.4785 | 1.4785 | 4.0000e-005 | 4.0000e-005 | 1.4908 |

3.4 Building Construction - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9852 | 254.9852 | 0.0607 | 0.0000 | 256.5017 |
| Total | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9852 | 254.9852 | 0.0607 | 0.0000 | 256.5017 |

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3.4 Building Construction - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.7200e-003 | 0.2385 | 0.0821 | 1.0800e-003 | 0.0345 | 1.5300e-003 | 0.0360 | 9.9500e-003 | 1.4600e-003 | 0.0114 | 0.0000 | 103.3620 | 103.3620 | 4.1000e-004 | 0.0150 | 107.8312 |
| Worker | 0.0885 | 0.0657 | 0.7953 | 2.3700e-003 | 0.2789 | 1.3700e-003 | 0.2803 | 0.0741 | 1.2600e-003 | 0.0754 | 0.0000 | 220.0937 | 220.0937 | 5.2700e-003 | 5.7300e-003 | 221.9328 |
| Total | 0.0952 | 0.3042 | 0.8775 | 3.4500e-003 | 0.3134 | 2.9000e-003 | 0.3163 | 0.0841 | 2.7200e-003 | 0.0868 | 0.0000 | 323.4557 | 323.4557 | 5.6800e-003 | 0.0207 | 329.7640 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9849 | 254.9849 | 0.0607 | 0.0000 | 256.5013 |
| Total | 0.1730 | 1.5823 | 1.7868 | 2.9600e-003 | | 0.0770 | 0.0770 | | 0.0724 | 0.0724 | 0.0000 | 254.9849 | 254.9849 | 0.0607 | 0.0000 | 256.5013 |

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3.4 Building Construction - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|--------------------|---------------|-----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 6.7200e-003 | 0.2385 | 0.0821 | 1.0800e-003 | 0.0345 | 1.5300e-003 | 0.0360 | 9.9500e-003 | 1.4600e-003 | 0.0114 | 0.0000 | 103.3620 | 103.3620 | 4.1000e-004 | 0.0150 | 107.8312 |
| Worker | 0.0885 | 0.0657 | 0.7953 | 2.3700e-003 | 0.2789 | 1.3700e-003 | 0.2803 | 0.0741 | 1.2600e-003 | 0.0754 | 0.0000 | 220.0937 | 220.0937 | 5.2700e-003 | 5.7300e-003 | 221.9328 |
| Total | 0.0952 | 0.3042 | 0.8775 | 3.4500e-003 | 0.3134 | 2.9000e-003 | 0.3163 | 0.0841 | 2.7200e-003 | 0.0868 | 0.0000 | 323.4557 | 323.4557 | 5.6800e-003 | 0.0207 | 329.7640 |

3.5 Paving - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |

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3.5 Paving - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |
| Total | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Off-Road | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |
| Paving | 0.0000 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Total | 5.1600e-003 | 0.0510 | 0.0729 | 1.1000e-004 | | 2.5500e-003 | 2.5500e-003 | | 2.3500e-003 | 2.3500e-003 | 0.0000 | 10.0134 | 10.0134 | 3.2400e-003 | 0.0000 | 10.0944 |

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3.5 Paving - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |
| Total | 3.0000e-004 | 2.2000e-004 | 2.6700e-003 | 1.0000e-005 | 9.4000e-004 | 0.0000 | 9.4000e-004 | 2.5000e-004 | 0.0000 | 2.5000e-004 | 0.0000 | 0.7392 | 0.7392 | 2.0000e-005 | 2.0000e-005 | 0.7454 |

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.7458 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.6000e-004 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |
| Total | 1.7467 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |
| Total | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |

Mitigated Construction On-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Archit. Coating | 1.7458 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Off-Road | 9.6000e-004 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |
| Total | 1.7467 | 6.5100e-003 | 9.0600e-003 | 1.0000e-005 | | 3.5000e-004 | 3.5000e-004 | | 3.5000e-004 | 3.5000e-004 | 0.0000 | 1.2766 | 1.2766 | 8.0000e-005 | 0.0000 | 1.2785 |

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3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Hauling | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Vendor | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Worker | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |
| Total | 8.1000e-004 | 6.0000e-004 | 7.3000e-003 | 2.0000e-005 | 2.5600e-003 | 1.0000e-005 | 2.5700e-003 | 6.8000e-004 | 1.0000e-005 | 6.9000e-004 | 0.0000 | 2.0206 | 2.0206 | 5.0000e-005 | 5.0000e-005 | 2.0375 |

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 0.1676 | 0.3474 | 1.7235 | 4.6500e-003 | 0.5292 | 4.0600e-003 | 0.5332 | 0.1414 | 3.8300e-003 | 0.1452 | 0.0000 | 452.2389 | 452.2389 | 0.0186 | 0.0241 | 459.8975 |
| Unmitigated | 0.1676 | 0.3474 | 1.7235 | 4.6500e-003 | 0.5292 | 4.0600e-003 | 0.5332 | 0.1414 | 3.8300e-003 | 0.1452 | 0.0000 | 452.2389 | 452.2389 | 0.0186 | 0.0241 | 459.8975 |

4.2 Trip Summary Information

| Land Use | Average Daily Trip Rate | | | Unmitigated | Mitigated |
|------------------|-------------------------|---------------|---------------|------------------|------------------|
| | Weekday | Saturday | Sunday | Annual VMT | Annual VMT |
| City Park | 3.90 | 9.80 | 10.95 | 14,181 | 14,181 |
| Mobile Home Park | 387.50 | 356.50 | 325.50 | 1,391,598 | 1,391,598 |
| Total | 391.40 | 366.30 | 336.45 | 1,405,778 | 1,405,778 |

4.3 Trip Type Information

| Land Use | Miles | | | Trip % | | | Trip Purpose % | | |
|------------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
| | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary | Diverted | Pass-by |
| City Park | 14.70 | 6.60 | 6.60 | 33.00 | 48.00 | 19.00 | 66 | 28 | 6 |
| Mobile Home Park | 16.80 | 7.10 | 7.90 | 42.30 | 19.60 | 38.10 | 86 | 11 | 3 |

4.4 Fleet Mix

| Land Use | LDA | LDT1 | LDT2 | MDV | LHD1 | LHD2 | MHD | HHD | OBUS | UBUS | MCY | SBUS | MH |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| City Park | 0.526829 | 0.054483 | 0.174820 | 0.140491 | 0.024491 | 0.006111 | 0.008028 | 0.037066 | 0.000568 | 0.000184 | 0.023099 | 0.000991 | 0.002841 |
| Mobile Home Park | 0.526829 | 0.054483 | 0.174820 | 0.140491 | 0.024491 | 0.006111 | 0.008028 | 0.037066 | 0.000568 | 0.000184 | 0.023099 | 0.000991 | 0.002841 |

5.0 Energy Detail

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Historical Energy Use: N

5.1 Mitigation Measures Energy

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Electricity Mitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 74.3357 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Electricity Unmitigated | | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 74.3357 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Natural Gas Mitigated | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |
| Natural Gas Unmitigated | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |

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5.2 Energy by Land Use - NaturalGas

Unmitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 2.43425e+006 | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |
| Total | | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |

Mitigated

| | NaturalGas Use | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use | kBTU/yr | tons/yr | | | | | | | | | | MT/yr | | | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 2.43425e+006 | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |
| Total | | 0.0131 | 0.1122 | 0.0477 | 7.2000e-004 | | 9.0700e-003 | 9.0700e-003 | | 9.0700e-003 | 9.0700e-003 | 0.0000 | 129.9007 | 129.9007 | 2.4900e-003 | 2.3800e-003 | 130.6726 |

Gilcrease EA 2030 - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

5.3 Energy by Land Use - Electricity

Unmitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----------------|----------------|---------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 803422 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Total | | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |

Mitigated

| | Electricity Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|-----------------|----------------|---------------|--------------------|----------------|
| Land Use | kWh/yr | MT/yr | | | |
| City Park | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Mobile Home Park | 803422 | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |
| Total | | 74.3357 | 0.0120 | 1.4600e-003 | 75.0707 |

6.0 Area Detail

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.1 Mitigation Measures Area

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|-------------|----------|
| Category | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Mitigated | 1.1021 | 0.0946 | 2.6069 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1495 | 1.2300e-003 | 104.4638 |
| Unmitigated | 1.1021 | 0.0946 | 2.6069 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1495 | 1.2300e-003 | 104.4638 |

Gilcrease EA 2030 - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Unmitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|----------------|-----------------|---------------|--------------------|-----------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1746 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.7285 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.1647 | 0.0814 | 1.4590 | 5.0500e-003 | | 0.2387 | 0.2387 | | 0.2387 | 0.2387 | 31.3311 | 67.1472 | 98.4783 | 0.1478 | 1.2300e-003 | 102.5389 |
| Landscaping | 0.0343 | 0.0132 | 1.1479 | 6.0000e-005 | | 6.3800e-003 | 6.3800e-003 | | 6.3800e-003 | 6.3800e-003 | 0.0000 | 1.8801 | 1.8801 | 1.7900e-003 | 0.0000 | 1.9248 |
| Total | 1.1021 | 0.0946 | 2.6069 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1495 | 1.2300e-003 | 104.4638 |

Gilcrease EA 2030 - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

6.2 Area by SubCategory

Mitigated

| | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|-----------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|----------------|-----------------|---------------|--------------------|-----------------|
| SubCategory | tons/yr | | | | | | | | | | MT/yr | | | | | |
| Architectural Coating | 0.1746 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Consumer Products | 0.7285 | | | | | 0.0000 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Hearth | 0.1647 | 0.0814 | 1.4590 | 5.0500e-003 | | 0.2387 | 0.2387 | | 0.2387 | 0.2387 | 31.3311 | 67.1472 | 98.4783 | 0.1478 | 1.2300e-003 | 102.5389 |
| Landscaping | 0.0343 | 0.0132 | 1.1479 | 6.0000e-005 | | 6.3800e-003 | 6.3800e-003 | | 6.3800e-003 | 6.3800e-003 | 0.0000 | 1.8801 | 1.8801 | 1.7900e-003 | 0.0000 | 1.9248 |
| Total | 1.1021 | 0.0946 | 2.6069 | 5.1100e-003 | | 0.2451 | 0.2451 | | 0.2451 | 0.2451 | 31.3311 | 69.0272 | 100.3583 | 0.1495 | 1.2300e-003 | 104.4638 |

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|-------------|---------|
| Category | MT/yr | | | |
| Mitigated | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |
| Unmitigated | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |

7.2 Water by Land Use

Unmitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| City Park | 0 / 5.95741 | 1.9292 | 3.1000e-004 | 4.0000e-005 | 1.9483 |
| Mobile Home Park | 10.0989 / 6.36668 | 10.3216 | 0.3302 | 7.9100e-003 | 20.9343 |
| Total | | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |

Gilcrease EA 2030 - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

7.2 Water by Land Use

Mitigated

| | Indoor/Outdoor Use | Total CO2 | CH4 | N2O | CO2e |
|------------------|--------------------|----------------|---------------|--------------------|----------------|
| Land Use | Mgal | MT/yr | | | |
| City Park | 0 / 5.95741 | 1.9292 | 3.1000e-004 | 4.0000e-005 | 1.9483 |
| Mobile Home Park | 10.0989 / 6.36668 | 10.3216 | 0.3302 | 7.9100e-003 | 20.9343 |
| Total | | 12.2508 | 0.3305 | 7.9500e-003 | 22.8826 |

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

| | Total CO2 | CH4 | N2O | CO2e |
|-------------|-----------|--------|--------|---------|
| | MT/yr | | | |
| Mitigated | 14.5605 | 0.8605 | 0.0000 | 36.0731 |
| Unmitigated | 14.5605 | 0.8605 | 0.0000 | 36.0731 |

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

8.2 Waste by Land Use

Unmitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| City Park | 0.43 | 0.0873 | 5.1600e-003 | 0.0000 | 0.2163 |
| Mobile Home Park | 71.3 | 14.4733 | 0.8553 | 0.0000 | 35.8569 |
| Total | | 14.5606 | 0.8605 | 0.0000 | 36.0731 |

Mitigated

| | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use | tons | MT/yr | | | |
| City Park | 0.43 | 0.0873 | 5.1600e-003 | 0.0000 | 0.2163 |
| Mobile Home Park | 71.3 | 14.4733 | 0.8553 | 0.0000 | 35.8569 |
| Total | | 14.5606 | 0.8605 | 0.0000 | 36.0731 |

9.0 Operational Offroad

Gilcrease EA 2030 - Kings County, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

11.0 Vegetation

APPENDIX D

BIOLOGICAL MEMORANDUM



BIOLOGICAL MEMORANDUM

GILCREASE PARCELS

To: Santa Rosa Rancheria
 Tachi Yokut Tribal Government

FROM: Kelli Raymond, Biologist and Project Manager
 Analytical Environmental Services

PROJECT: Santa Rosa Rancheria Fee to Trust

DATE: 6/8/2023

1.0 INTRODUCTION

This memorandum has been prepared to address the fee to trust process of 10 parcels owned by the Santa Rosa Rancheria Tachi Yokut Tribe (**Table 1**). The Gilcrease Parcels total approximately 436.91 acres and are not under a Williamson Act Contract. Assessor Parcel Number (APN) 024-160-018 was previously under a Williamson Act Contract, but a notice of non-renewal was filed on August 2008 (Kings County Planning Department, 2020). The Gilcrease Parcels are bounded by Jersey Avenue and Kent Avenue to the north and south, and 17th Avenue and 18th Avenue to the east and west, in Kings County, California (**Figure 1**) on the U.S. Geological Survey (USGS) 7.5-minute Stratford quadrangle (**Figure 2** and **Figure 3**). The purpose of this assessment is to identify sensitive biological resources that may be located on or near the Gilcrease Parcels. This memorandum documents the results of database searches conducted on August 7, 2020 and the biological surveys conducted on August 17, 18, and 19, 2020 and January 18 and 19, 2022. Survey methodologies and results are provided herein.

TABLE 1 - GILCREASE PARCELS

| # | Assessor Parcel Number | Acreage |
|----------------------------------|------------------------|---------------|
| 1. | 024-160-018 | 77.58 |
| 2. | 024-160-025 | 36.80 |
| 3. | 024-160-026 | 43.68 |
| 4. | 024-160-027 | 39.85 |
| 5. | 024-160-028 | 40.00 |
| 6. | 024-160-029 | 40.00 |
| 7. | 024-160-030 | 40.00 |
| 8. | 024-160-031 | 40.00 |
| 9. | 024-160-032 | 40.00 |
| 10. | 024-160-033 | 39.00 |
| Approximate Total Acreage | | 436.91 |

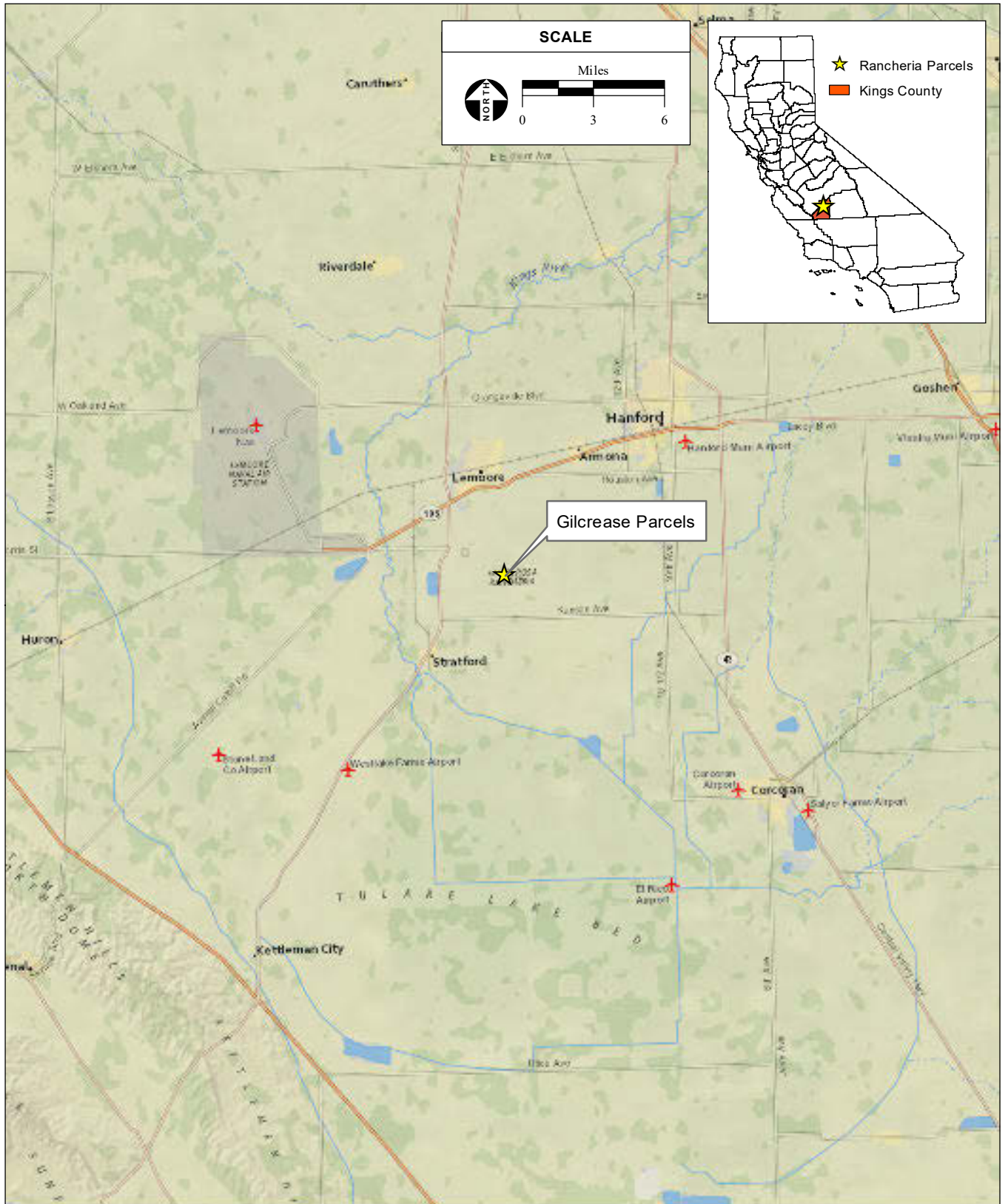
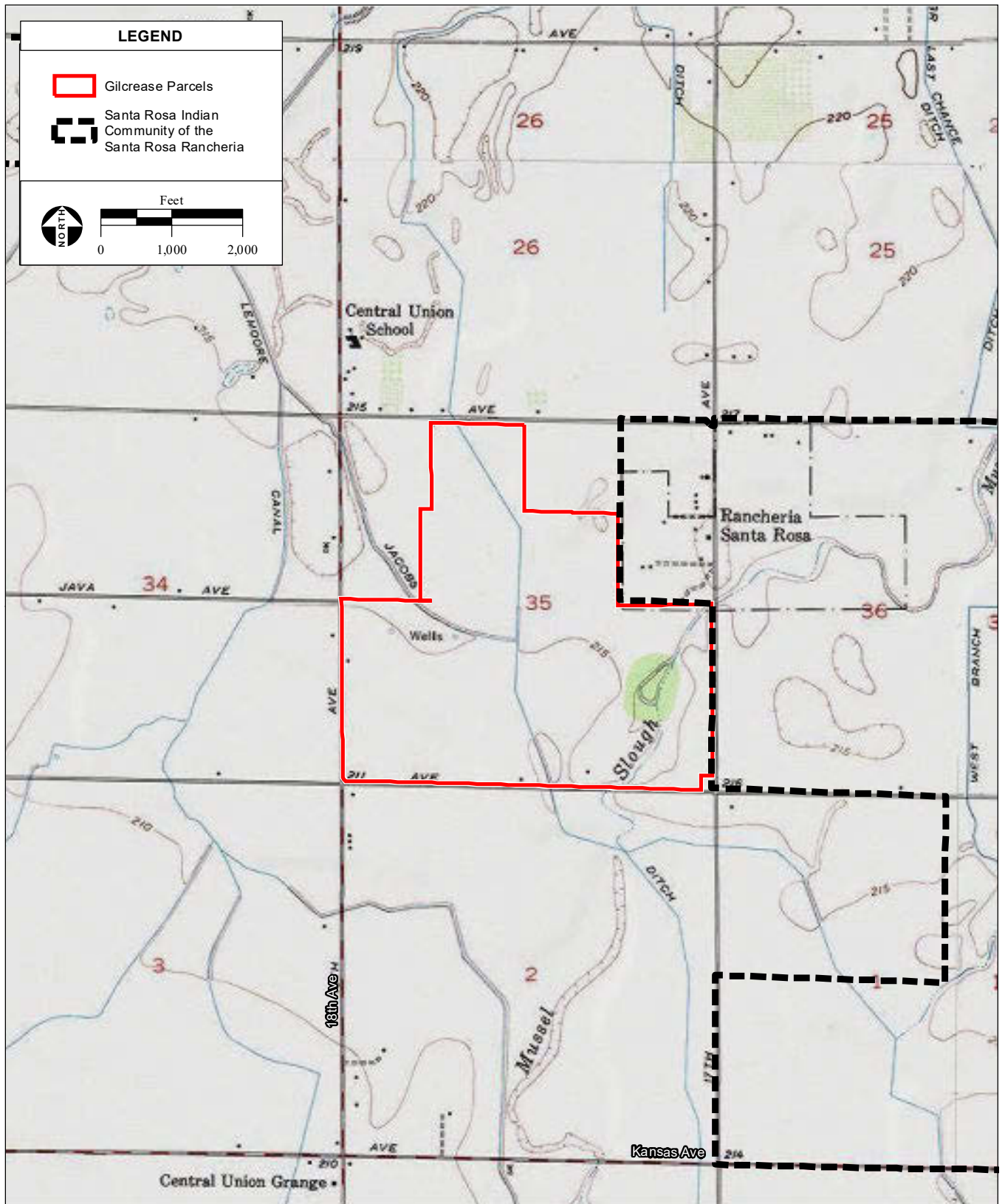


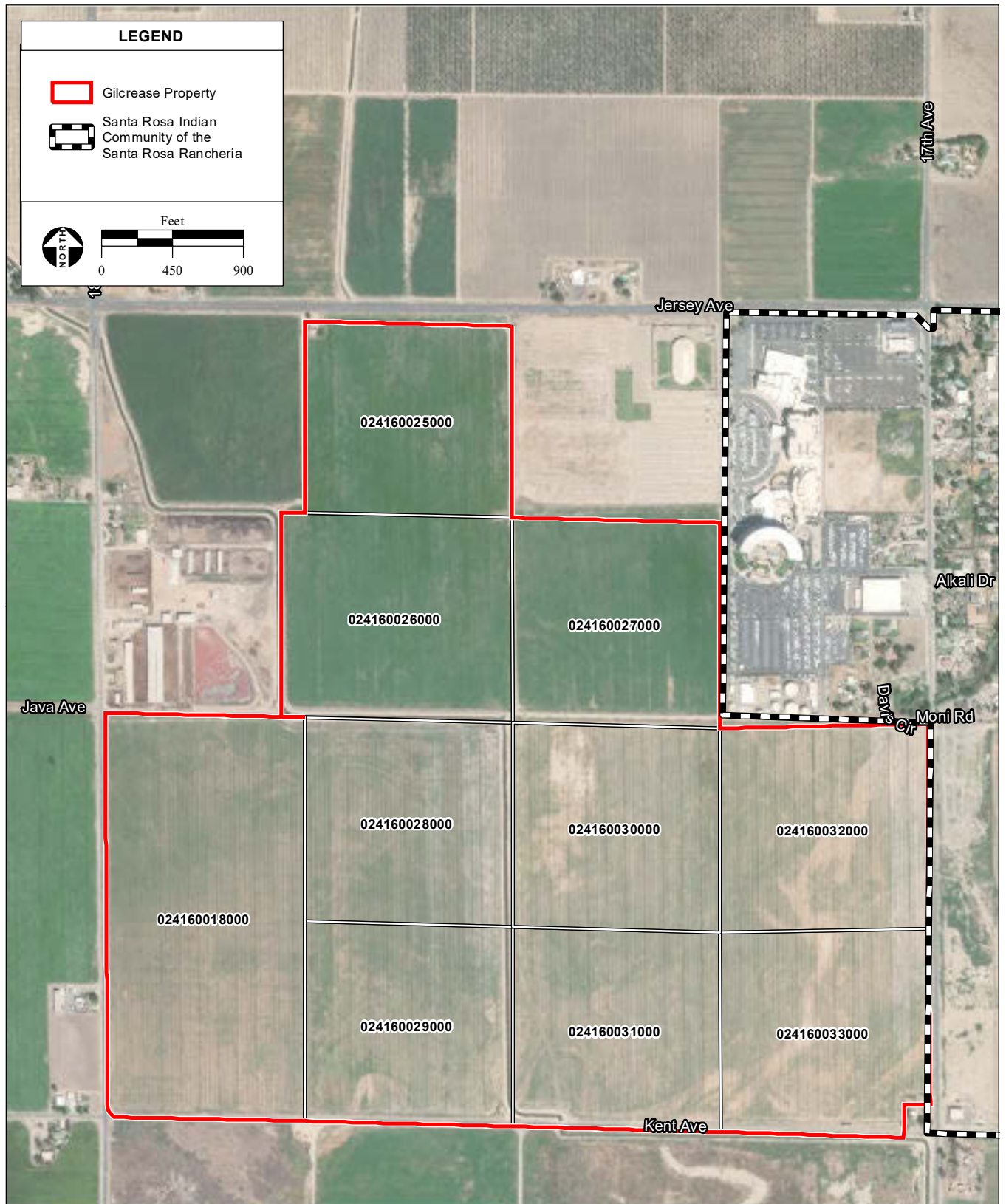
Figure 1
Regional Location



SOURCE: "Stratford, CA" USGS 7.5 Minute Topographic Quadrangle, T19S R20E Section 35
Mt. Diablo Baseline & Meridian; AES, 9/1/2020

Santa Rosa Rancheria Gilcrease Parcels Biological Memo / 220503 ■

Figure 2
Site and Vicinity



2.0 METHODOLOGY

The following information was reviewed:

- Aerial photographs of the Gilcrease Parcels and surrounding area;
- U.S. Fish and Wildlife Service (USFWS) Information for Planning and Conservation list, generated August 7, 2020 (USFWS, 2020a);
- California Natural Diversity Database list, generated August 7, 2020 (CDFW, 2020a);
- California Native Plant Society (CNPS) list, generated August 7, 2020 (CNPS, 2020);
- National Wetlands Inventory (NWI) database, accessed August 7, 2020 (USFWS, 2020b); and
- U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) Custom Soil Resource Report, accessed August 7, 2020 (NRCS, 2020).

A biological resources survey was conducted of the Gilcrease Parcels on August 17, 18, and 19, 2020 and again on January 18 and 19, 2022. The survey was conducted by walking transects throughout the Gilcrease Parcels and along adjacent areas and roadways. Survey goals consisted of identifying habitat types, sensitive habitats, wetlands and waters of the U.S., and special-status species. Sensitive habitats include those that are designated by CDFW, considered by local experts to be communities of limited distribution, or are considered waters of the U.S. or State by the appropriate regulatory agencies. Habitat requirements of special-status species were compared to habitats observed, which were determined based on aerial photographs, observation, and background data review.

3.0 ENVIRONMENTAL SETTING

3.1 TOPOGRAPHY AND SOILS

The Gilcrease Parcels are located within the south-central portion of the San Joaquin Valley on relatively level terrain. On-site elevations are approximately 200 feet above mean sea level (amsl). The Gilcrease Parcels are comprised of six soil types: Lemoore sandy loam, Grangeville fine sandy loam, Grangeville sandy loam, Kamberlina saline alkali-Garces complex, Lakeside loam, and Kamberlina fine sandy loam. These soils are classified as Farmland of Statewide Importance and are considered hydric, excluding Kamberlina saline alkali-Garces complex. Soil characteristics are as follows:

Lemoore sandy loam: A saline, somewhat poorly drained, hydric soil designated as Farmland of Statewide Importance.

Grangeville fine sandy loam: A saline-alkali, somewhat poorly drained, hydric soil designated as Farmland of Statewide Importance.

Grangeville sandy loam: A saline-alkali, somewhat poorly drained, hydric soil designated as Farmland of Statewide Importance.

Kamberlina saline alkali-Garces complex: A saline-alkali, well drained, non-hydric soil which is not prime farmland.

Lakeside loam: A saline, somewhat poorly drained, hydric soil designated as Farmland of Statewide Importance.

Kamberlina fine sandy loam: A saline-alkali, well drained, non-hydric soil designated as Farmland of Statewide Importance.

3.2 HABITAT TYPES

The Gilcrease Parcels consist of regularly manipulated agricultural fields with associated irrigation ditches. Habitat consists of agricultural land dominated by ruderal vegetation with areas of open bare ground, and is not considered sensitive. Areas have been subject to agricultural disturbance such as harvesting, disking, vegetation management, ditching, and flooding. The Lemoore Canal system bisects the Gilcrease Parcels from the northwest to the south-central section. Vegetation is dominated by non-native ruderal herbaceous plant species. Vegetation observed includes prickly lettuce (*Lactuca serriola*), wild oat (*avena fatua*), barnyard grass (*Echinochloa sp.*), alfalfa (*Cuscuta sp.*), and saltbrush (*Atriplex sp.*), sunflower (*Helianthus sp.*), stinkweed (*Cleomella sp.*), puncture vine (*Tribulus terrestris*), sedges (*Carex spp.*), hornbeam copperleaf (*Acalphya sp.*), horsetail (*Equisetum sp.*) and desert horsepurslane (*Trianthema portulacastrum*). Wildlife species observed include: California ground squirrel (*Otospermophilus beecheyi*), great egret (*Ardea alba*), snowy egret (*Egretta thula*), killdeer (*Charadrius vociferous*), American crow (*Corvus brachyrhynchos*), barn swallow (*Hirundo rustica*), tree swallow (*Tachycineta bicolor*), whimbrel (*Numenius phaeopus*), white-faced ibis (*Plegadis chihi*), and California toad (*Anaxyrus boreas halophilus*). Bobcat (*Lynx rufus*) scat and burrows (intact and collapsed) were also observed. California ground squirrel and California toad were observed occupying several burrows. Surrounding areas are disturbed with development, agricultural uses, and roadways. Due to the high density of ruderal vegetation and continued disturbance, the Gilcrease Parcels provide low habitat value.

3.3 WETLANDS AND WATERS OF THE U.S.

The NWI database was queried to determine previously mapped wetlands and other waters of the U.S. on and within the vicinity of the Gilcrease Parcels (USFWS, 2020b; **Figure 4**). Three features were identified on the NWI: an intermittent streambed (R4SBC), and ditch infrastructure (R4SBCx and R5UBFx). A natural freshwater pond (PUBF) and two excavated freshwater ponds (PUBFx) were also identified adjacent to the east and west boundaries of the Gilcrease Parcels. The Lemoore Canal system bisects the Gilcrease Parcels from the northwest to the south-central section, bordering parcels 024-160-026, -028, -030, -029, and -031. The intermittent streambed is shown bisecting parcels 024-160-032 and -033 to the north and south.

3.4 SPECIAL-STATUS SPECIES

Data review and special-status species searches identified three special-status plant species and twelve special-status wildlife species with the potential to occur in the region. Based on site-specific habitats and special-status species habitat requirements for each species, the Gilcrease Parcels has the potential to support two special-status wildlife species. Species with no potential to occur were ruled out based on lack of suitable habitat, soils, elevation, necessary substrate, and negative results during the survey. Special-status species were not observed during the survey. Special-status species with the potential to occur on the Gilcrease Parcels are listed below.

There is limited potential for mud nama to occur within the banks of Mussel Slough. However, this species was not observed during surveys and has not been observed within five miles of the Property in over 20 years. Therefore, it is believed to be absent from the Gilcrease Parcels.

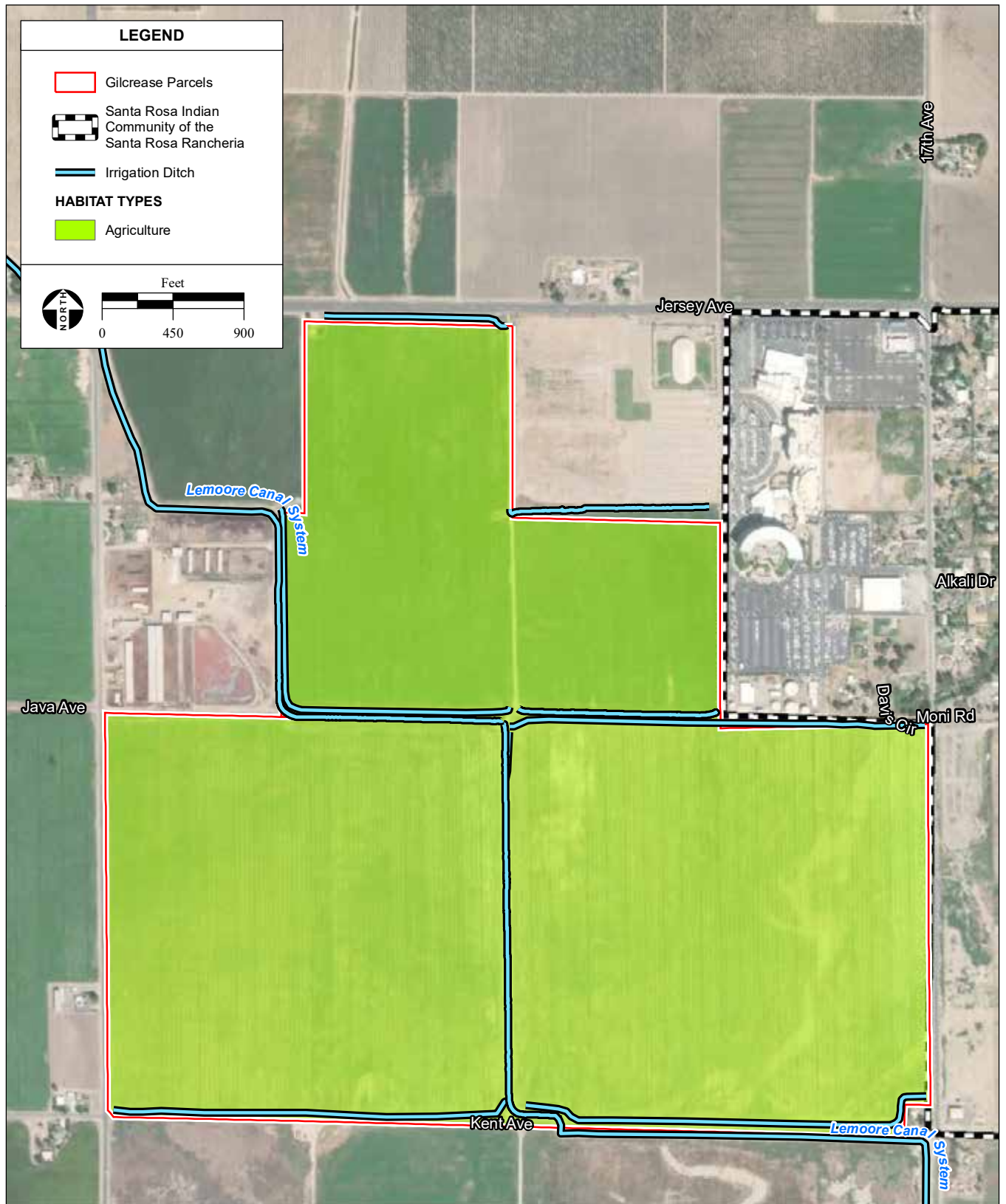


Figure 4
Irrigation Ditches and Agricultural Habitat

Additionally, features on the Gilcrease Parcels offer marginal habitat that could support dispersing California red-legged frog (CRLF). Breeding and significant habitat to support this species is not present due to the intermittent nature of water present on site and potential for agricultural runoff to impair water quality. Additionally, CRLF has not been observed within 10 miles of the Property (CDFW, 2020a). Given the distance from the nearest historical observance of this species and the fact that the Property is believed to be outside of CRLF range (California Herps, 2022), this species is considered to not have potential to occur on the Property.

Western pond turtle has been observed in the immediate vicinity of the Gilcrease Parcels (CDFW, 2020a). However, due to the lack of basking sites and riparian vegetation, western pond turtle would only incidentally use the slough or irrigation ditches for dispersal, however, likelihood of occurrence is extremely low. Nearby observations have not been reported since 1998 (CDFW, 2020a).

Although returned on the USFWS species list, the Gilcrease Parcels are outside of the range of giant garter snake, therefore this species is believed to be absent from the Gilcrease Parcels (USFWS, 2023). Even if the Gilcrease Parcels were within the range of this species, habitat is extremely marginal and is generally unsuitable due to the level of existing and ongoing disturbance. There are no documented occurrences of giant garter snake within 10 miles of the Gilcrease Parcels (CDFW, 2020b).

Tipton kangaroo rat is one of three subspecies of the San Joaquin kangaroo rat. Habitat for this species on the Property is marginal due to lack of suitable vegetative cover and lack of preferential burrow habitat, which consists of open space or shrubs. Although burrows were observed on the Gilcrease Parcels, this species is not likely to occur due to ongoing agricultural disturbance, including use of heavy machinery and ongoing irrigation that would flood their shallow burrow systems, which are often less than 10 inches below ground surface (CSU Stanislaus, n.d.). Conversion of suitable habitat to cropland is a threat to this species, therefore, active cropland is not considered suitable habitat.

Although burrows were observed on the Gilcrease Parcels, habitat for blunt-nosed leopard lizard is absent from the Gilcrease Parcels due to the high level of disturbance. Blunt-nosed leopard lizard inhabits the San Joaquin Valley and adjacent foothills and can be found in semiarid grasslands, desert scrub, alkali flats, large washes, arroyos, canyons and low foothills habitats at an elevation range from 30 to 730 meters (CDFW, 2014). Conversion of suitable habitat to cropland is a threat to this species, therefore, active cropland is not considered suitable habitat. Occurrences of this species have not been observed near the Property in over 30 years, with the nearest observation recorded in 1990 (occ. 268) approximately 2.8 miles from the Gilcrease Parcels (CDFW, 2020b).

Swainson's hawk (*Buteo Swainsoni*)

Federal Status – None

State Status – Threatened

Swainson's hawks arrive to their breeding grounds in the Central Valley in early March. They often nest peripherally to valley riparian systems as well as utilizing lone trees or groves of trees in agricultural fields. Valley oak, Fremont cottonwood, walnut, and large willow trees, ranging in height from 41 to 82 feet, are the most commonly used nest trees in the Central Valley. Breeding pairs construct nests composed of sticks, leaves, and bark. Eggs are laid from mid- to late-April and are incubated into mid-May when young begin to hatch. Young remain near the nest and depend on the adults for approximately four weeks after fledging until they permanently leave the breeding territory. Nesting occurs from March 1 to August 15. Swainson's hawks feed primarily on small mammals, birds, and insects. Young are fed rodents, rabbits, and reptiles. When not breeding, however, this hawk is atypical

because it is almost exclusively insectivorous. Typical foraging habitat includes annual grasslands, alfalfa, and other dry farm crops that provide suitable habitat for small mammals. Suitable foraging habitat nearby nesting sites is critical for fledgling success (CDFW 2014). The Gilcrease Parcels may support this species in a foraging capacity only. No suitable nesting habitat is present. The nearest documented occurrence for this species was in 2017 (occ. 2800) approximately 1.7 miles from the Gilcrease Parcels (CDFW, 2020b). Swainson's hawk was not observed during the survey.

San Joaquin kit fox (*Vulpes macrotis mutica*)

Federal Status – Endangered

State Status – Threatened

The San Joaquin kit fox (SJKF) occurs in grasslands or grassy openings in shrubland. Historically, SJKF occurred in several San Joaquin Valley native plant communities. In the southernmost portion of the range, these communities included valley sink scrub, valley saltbush scrub, upper Sonoran subshrub scrub, and annual grassland. Currently, this species occurs in grassland and other open habitats from Contra Costa County south through the San Joaquin Valley. Suitable foraging habitat includes any open habitat such as grassland or open scrub. Diet varies geographically, seasonally and annually, based on abundance of prey. In the northern portion of the range (San Joaquin, Alameda and Contra Costa counties), kit foxes primarily prey on California ground squirrels, but will also feed on black-tailed hares, San Joaquin antelope squirrels, desert cottontails, ground-nesting birds and insects. Suitable burrowing habitat includes an open, flat area with loose (generally sandy or loamy) soils. Critical habitat has not yet been designated for this species, though it is included in a multi-species recovery plan titled Recovery Plan for the Upland Species of the San Joaquin Valley, California (USFWS, 2010). Potential for occurrence is low due to the regular disturbance on the Gilcrease Parcels and because the nearest occurrence of SJKF was documented in 1989 (occ. 191) approximately 1.6 miles from the Gilcrease Parcels. The most recent documented occurrence in the local area is in 2000 (occ. 214) approximately 7.3 miles from the Gilcrease Parcels (CDFW, 2020b). SJKF was not observed during the survey.

3.5 CRITICAL HABITAT

No designated critical habitat occurs on the Gilcrease Parcels.

4.0 RESULTS

4.1 WETLANDS AND WATERS OF THE U.S.

Wetlands and waters of the U.S. are afforded federal protection by the USACE. The NWI dataset indicates an aerial photograph interpretation date of 1987 and represents the conditions and locations of aquatic features at that time. The NWI database identified three features on the Gilcrease Parcels: an intermittent streambed (R4SBC), and ditch infrastructure (R4SBCx and R5UBFx)(USFWS, 2020b). The intermittent streambed shown bisecting parcels 024-160-032 and -033 to the north and south was not observed during the survey. This feature is no longer present, likely due to agricultural development. A natural freshwater pond (PUBF) and two excavated freshwater ponds (PUBFx) were also identified by the NWI adjacent to the east and west boundaries of the Gilcrease Parcels. The two PUBFx adjacent to Gilcrease Parcels borders were not observed at the time of survey. The PUBF is shown on aerial imagery, and is a streambed rather than a pond. The ditch identified on the NWI was confirmed during the survey as the Lemoore Canal system (**Figure 4**). The Lemoore Canal system is an irrigation channel that bisects the Gilcrease Parcels from the northwest to the south-central section, bordering parcels 024-160-026, -028, -030, -029, and -031. Secondary irrigation ditches not identified on the NWI were documented along the perimeter of parcels 024-160-025, -026, -027, -028, -029, -030, -031, -032, and -

033 (**Figure 4**). No wetlands or natural streambeds were identified on the Gilcrease Parcels. Surface water features are limited to irrigation ditches.

4.2 SPECIAL-STATUS SPECIES

Data review and special-status species searches identified 3 special-status plant species and 12 special-status wildlife species with the potential to occur in the region. Of these, the following special-status animal species have the potential to occur on the Property:

- Swainson's hawk (*Buteo Swainsoni*, State Threatened)
- San Joaquin kit fox (*Vulpes macrotis mutica*; SJFK, Federally Endangered and State Threatened)

4.3 NESTING MIGRATORY BIRDS

Migratory birds and their nests are protected from "take" by the Migratory Bird Treaty Act (16 U.S.C. 703-711), which makes it unlawful to "...pursue, hunt, take, capture, kill, attempt to take, capture or kill, possess or any part, nest, or egg of any such bird..." (50 CFR 10). There are no trees on the Gilcrease Parcels. Sparse tree canopy is present adjacent to the Gilcrease Parcels to the northeast, southeast, and southwest. No nesting migratory birds were observed during the survey.

5.0 REFERENCES

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APPENDIX E

CULTURAL RESOURCES STUDY

**CULTURAL RESOURCES SURVEY REPORT
BOUND SEPARATELY***

***THE CULTURAL RESOURCES SURVEY REPORT HAS BEEN BOUND SEPARATELY TO PROTECT POTENTIALLY SENSITIVE INFORMATION ABOUT THE LOCATION AND NATURE OF CULTURAL RESOURCES.**

APPENDIX F

FARMLAND CONVERSION IMPACT RATING FORM

FARMLAND CONVERSION IMPACT RATING

| | | | | | |
|---|--|---|--|-------------------------|-------------------|
| PART I (To be completed by Federal Agency) | | Date Of Land Evaluation Request | | | |
| Name of Project | | Federal Agency Involved | | | |
| Proposed Land Use | | County and State | | | |
| PART II (To be completed by NRCS) | | Date Request Received By NRCS | | Person Completing Form: | |
| Does the site contain Prime, Unique, Statewide or Local Important Farmland? <i>(If no, the FPPA does not apply - do not complete additional parts of this form)</i> | | YES <input type="checkbox"/> | NO <input type="checkbox"/> | Acres Irrigated | Average Farm Size |
| Major Crop(s) | Farmable Land In Govt. Jurisdiction Acres: % | | Amount of Farmland As Defined in FPPA Acres: % | | |
| Name of Land Evaluation System Used | Name of State or Local Site Assessment System | | Date Land Evaluation Returned by NRCS | | |
| PART III (To be completed by Federal Agency) | | Alternative Site Rating | | | |
| | | Site A | Site B | Site C | Site D |
| A. Total Acres To Be Converted Directly | | | | | |
| B. Total Acres To Be Converted Indirectly | | | | | |
| C. Total Acres In Site | | | | | |
| PART IV (To be completed by NRCS) Land Evaluation Information | | | | | |
| A. Total Acres Prime And Unique Farmland | | | | | |
| B. Total Acres Statewide Important or Local Important Farmland | | | | | |
| C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted | | | | | |
| D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value | | | | | |
| PART V (To be completed by NRCS) Land Evaluation Criterion Relative Value of Farmland To Be Converted (Scale of 0 to 100 Points) | | | | | |
| PART VI (To be completed by Federal Agency) Site Assessment Criteria <i>(Criteria are explained in 7 CFR 658.5 b. For Corridor project use form NRCS-CPA-106)</i> | | Maximum Points | Site A | Site B | Site C |
| 1. Area In Non-urban Use | | (15) | | | |
| 2. Perimeter In Non-urban Use | | (10) | | | |
| 3. Percent Of Site Being Farmed | | (20) | | | |
| 4. Protection Provided By State and Local Government | | (20) | | | |
| 5. Distance From Urban Built-up Area | | (15) | | | |
| 6. Distance To Urban Support Services | | (15) | | | |
| 7. Size Of Present Farm Unit Compared To Average | | (10) | | | |
| 8. Creation Of Non-farmable Farmland | | (10) | | | |
| 9. Availability Of Farm Support Services | | (5) | | | |
| 10. On-Farm Investments | | (20) | | | |
| 11. Effects Of Conversion On Farm Support Services | | (10) | | | |
| 12. Compatibility With Existing Agricultural Use | | (10) | | | |
| TOTAL SITE ASSESSMENT POINTS | | 160 | | | |
| PART VII (To be completed by Federal Agency) | | | | | |
| Relative Value Of Farmland (From Part V) | | 100 | | | |
| Total Site Assessment (From Part VI above or local site assessment) | | 160 | | | |
| TOTAL POINTS (Total of above 2 lines) | | 260 | | | |
| Site Selected: | Date Of Selection | Was A Local Site Assessment Used? YES <input type="checkbox"/> NO <input type="checkbox"/> | | | |
| Reason For Selection: | | | | | |
| Name of Federal agency representative completing this form: | | | | | Date: |

(See Instructions on reverse side)

STEPS IN THE PROCESSING THE FARMLAND AND CONVERSION IMPACT RATING FORM

- Step 1 - Federal agencies (or Federally funded projects) involved in proposed projects that may convert farmland, as defined in the Farmland Protection Policy Act (FPPA) to nonagricultural uses, will initially complete Parts I and III of the form. For Corridor type projects, the Federal agency shall use form NRCS-CPA-106 in place of form AD-1006. The Land Evaluation and Site Assessment (LESA) process may also be accessed by visiting the FPPA website, <http://fppa.nrcs.usda.gov/lesa/>.
- Step 2 - Originator (Federal Agency) will send one original copy of the form together with appropriate scaled maps indicating location(s) of project site(s), to the Natural Resources Conservation Service (NRCS) local Field Office or USDA Service Center and retain a copy for their files. (NRCS has offices in most counties in the U.S. The USDA Office Information Locator may be found at http://offices.usda.gov/scripts/ndISAPI.dll/oip_public/USA_map, or the offices can usually be found in the Phone Book under U.S. Government, Department of Agriculture. A list of field offices is available from the NRCS State Conservationist and State Office in each State.)
- Step 3 - NRCS will, within 10 working days after receipt of the completed form, make a determination as to whether the site(s) of the proposed project contains prime, unique, statewide or local important farmland. (When a site visit or land evaluation system design is needed, NRCS will respond within 30 working days.
- Step 4 - For sites where farmland covered by the FPPA will be converted by the proposed project, NRCS will complete Parts II, IV and V of the form.
- Step 5 - NRCS will return the original copy of the form to the Federal agency involved in the project, and retain a file copy for NRCS records.
- Step 6 - The Federal agency involved in the proposed project will complete Parts VI and VII of the form and return the form with the final selected site to the servicing NRCS office.
- Step 7 - The Federal agency providing financial or technical assistance to the proposed project will make a determination as to whether the proposed conversion is consistent with the FPPA.

INSTRUCTIONS FOR COMPLETING THE FARMLAND CONVERSION IMPACT RATING FORM

(For Federal Agency)

Part I: When completing the "County and State" questions, list all the local governments that are responsible for local land use controls where site(s) are to be evaluated.

Part III: When completing item B (Total Acres To Be Converted Indirectly), include the following:

1. Acres not being directly converted but that would no longer be capable of being farmed after the conversion, because the conversion would restrict access to them or other major change in the ability to use the land for agriculture.
2. Acres planned to receive services from an infrastructure project as indicated in the project justification (e.g. highways, utilities planned build out capacity) that will cause a direct conversion.

Part VI: Do not complete Part VI using the standard format if a State or Local site assessment is used. With local and NRCS assistance, use the local Land Evaluation and Site Assessment (LESA).

1. Assign the maximum points for each site assessment criterion as shown in § 658.5(b) of CFR. In cases of corridor-type project such as transportation, power line and flood control, criteria #5 and #6 will not apply and will, be weighted zero, however, criterion #8 will be weighed a maximum of 25 points and criterion #11 a maximum of 25 points.
2. Federal agencies may assign relative weights among the 12 site assessment criteria other than those shown on the FPPA rule after submitting individual agency FPPA policy for review and comment to NRCS. In all cases where other weights are assigned, relative adjustments must be made to maintain the maximum total points at 160. For project sites where the total points equal or exceed 160, consider alternative actions, as appropriate, that could reduce adverse impacts (e.g. Alternative Sites, Modifications or Mitigation).

Part VII: In computing the "Total Site Assessment Points" where a State or local site assessment is used and the total maximum number of points is other than 160, convert the site assessment points to a base of 160.

Example: if the Site Assessment maximum is 200 points, and the alternative Site "A" is rated 180 points:

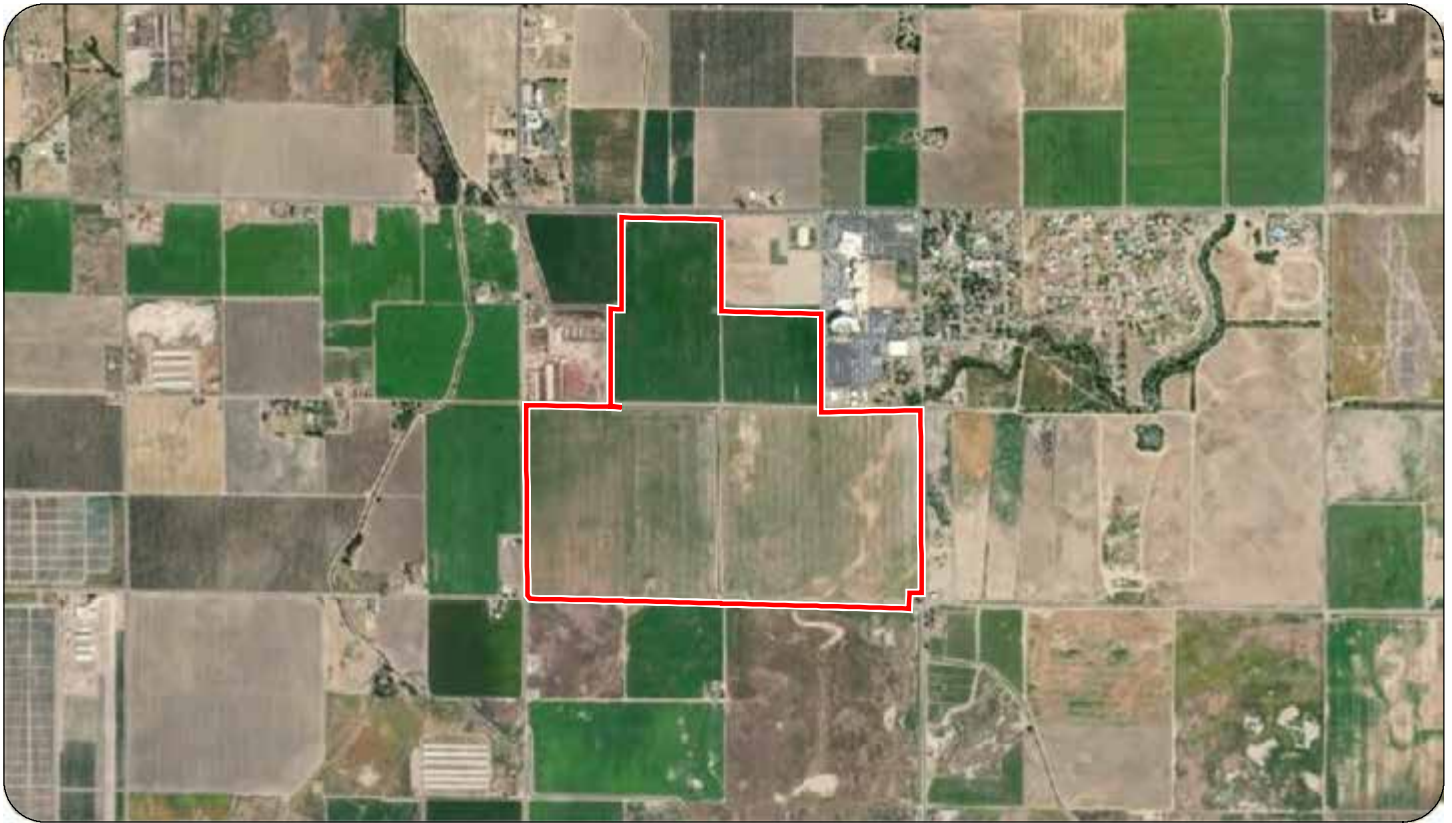
$$\frac{\text{Total points assigned Site A}}{\text{Maximum points possible}} = \frac{180}{200} \times 160 = 144 \text{ points for Site A}$$

For assistance in completing this form or FPPA process, contact the local NRCS Field Office or USDA Service Center.

NRCS employees, consult the FPPA Manual and/or policy for additional instructions to complete the AD-1006 form.

APPENDIX G

PHASE I ENVIRONMENTAL SITE ASSESSMENT



**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**
SANTA ROSA RANCHERIA
GILCREASE PARCELS

FEBRUARY 2021

PREPARED FOR:

Tachi-Yokut Tribe
Santa Rosa Rancheria
16835 Alkali Drive
Lemoore, CA 93245



PREPARED BY:

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PHASE I
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SECTION 1.0

INTRODUCTION

1.1 PURPOSE

This Phase I Environmental Site Assessment (Phase I ESA) has been prepared in conformance with the Bureau of Indian Affairs (BIA) guidelines (602 DM Chapter 2) and the American Society for Testing and Materials (ASTM) Standard Practice E 1527-13, which specifies the appropriate inquiry requirement for the innocent landowner defense under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (ASTM, 2013). The Subject Property consists of 10 parcels totaling approximately 437 acres located at 17445-17275 Kent Avenue, Lemoore within Kings County, California. This Phase I ESA addresses the Subject Property and surrounding known sources of contamination within a one-mile radius. The purpose of this assessment is to identify Recognized Environmental Conditions (RECs) that could affect future use of the Subject Property.

1.2 RECOGNIZED ENVIRONMENTAL CONDITIONS

The term REC refers to the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, past release, or material threat of release into structures, the ground, groundwater, or surface water. The term REC 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. Additionally, the term Historical Recognized Environmental Conditions (HREC) refers to an environmental condition associated with a property, including a past release of any hazardous substance or petroleum product that has since been remediated, which in the past would have been considered a REC; and the term Controlled Recognized Environmental Conditions (CREC) refers to hazardous substance releases that have been partially addressed through remediation but where some contamination remains in place under certain risk-based restrictions or conditions. HRECs and CRECs are included in this Phase I ESA (ASTM, 2013).

1.3 LIMITATIONS AND EXCEPTIONS

No Phase I ESA can completely eliminate uncertainty regarding the potential for RECs in connection with a property, nor can it eliminate future hazards. Conformance of this Phase I ESA with ASTM Standard Practice E 1527-13 will reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with the Subject Property. While every effort has been made to discover and interpret available historic and current information regarding the Subject Property within the time available, the possibility of undiscovered contamination remains. This Phase I ESA is a best-effort collection and interpretation of available information prepared consistent with the industry standards for completion of a Phase I ESA. This Phase I ESA is based on a site reconnaissance inspection of the Subject Property, a visual reconnaissance inspection of adjacent properties, searches of regulatory agency databases, and interviews with individuals familiar with historic and current uses of the Subject Property. Physical testing of soil or groundwater is not within the scope of this Phase I ESA. Asbestos containing building materials and lead-based paint surveys are also not included. Information obtained for this Phase I ESA complies with current ASTM guidelines.

1.4 METHODOLOGY

A variety of data sources were consulted, including site reconnaissance, consultation of relevant regulatory agency databases, and historic review of the Subject Property, further discussed below.

Regulatory Agency Database Searches

Regulatory agency database searches were conducted for records of known storage tank sites and known sites of hazardous materials generation, storage, and/or release. Available records from federal, state, and local agency lists consist of the following: (a) known or potential hazardous waste sites and landfills; (b) sites currently under investigation for environmental violations; (c) sites that manufacture, generate, use, store, and/or dispose of hazardous materials or hazardous wastes; (d) sites which have USTs and/or ASTs; and (e) sites with recorded violations of regulations concerning USTs and hazardous materials/hazardous wastes. The purpose of regulatory agency database searches is to identify facilities that may have the potential to affect surface and subsurface conditions within the Subject Property. A list of sites on and in the vicinity of the Subject Property is provided in **Appendix A**.

Historical Review

Historic review of the area was conducted to identify RECs within and in the vicinity of the Subject Property. Historic aerial photographs (**Appendix B**) and topographic maps (**Appendix C**) were examined for the presence of aboveground storage tanks (ASTs), industrial buildings, gas station canopies and/or pump islands, and other indications of bulk hazardous material storage within the Subject Property. Sanborn Fire Insurance Maps document historical uses of a property through abbreviations and map symbols that identify commercial, residential, industrial, and other land uses. The Subject Property is unmapped through the Sanborn Library (**Appendix D**). A City Directory was consulted to ascertain previous land uses within and in the vicinity of the Subject Property (**Appendix E**).

Site Reconnaissance

David Pfuhrer and Amy Gondran of AES conducted a site reconnaissance and visual inspection of the Subject Property and adjacent areas from August 17-19, 2020. The purpose of a site reconnaissance inspection is to examine the Subject Property for physical indications of potentially hazardous substances or evidence of petrochemical disposal, such as stained soil, stressed vegetation, sumps, partially buried drums, fuel storage tanks, and other obvious signs of hazardous materials involvement. Adjacent properties were visually inspected to the extent possible without trespassing on private property to determine if current uses would affect planned uses of the Subject Property.

1.5 DEVIATIONS AND DATA GAPS

ASTM Standard Practice E 1527-13 requires identification of significant data gaps, deviations, and deletions from the ASTM Standard. A significant data gap would be one that affects the ability to identify a REC within the Subject Property or adjacent area. Due to the location of the Subject Property, Sanborn Fire Insurance Maps were not available. However, historical aerial photographs and topographic maps were available for review of previous uses of the Subject Property. Thus, the lack of Sanborn Fire Insurance Maps is not considered a significant data gap for this Phase I ESA.

1.6 CREDENTIALS

David Pfuhrer prepared this report under professional supervision of Trent Wilson, an environmental professional (EP) as defined in ASTM Standard E 1527-13. Resumes are included in **Appendix F**.

SECTION 2.0

SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The Subject Property consists of 10 parcels (**Table 1**) in Kings County, California (**Figures 1 and 2**). An aerial photograph of the Subject Property with parcel boundaries is provided in **Figure 3**.

TABLE 1
GILCREASE PARCELS

| # | Assessor Parcel Number | Acreage |
|----------------------------------|------------------------|---------------|
| 1. | 024-160-018 | 77.58 |
| 2. | 024-160-025 | 36.80 |
| 3. | 024-160-026 | 43.68 |
| 4. | 024-160-027 | 39.85 |
| 5. | 024-160-028 | 40.00 |
| 6. | 024-160-029 | 40.00 |
| 7. | 024-160-030 | 40.00 |
| 8. | 024-160-031 | 40.00 |
| 9. | 024-160-032 | 40.00 |
| 10. | 024-160-033 | 39.00 |
| Approximate Total Acreage | | 436.91 |

2.2 SITE AND VICINITY CHARACTERISTICS

The Subject Property contains agricultural fields, an irrigation canal along the western and southern borders of parcel 024-160-026 and the eastern border of the parcels 024-160-028 and -029 before connecting irrigation ditches to the south (**Figure 3**). Site topography is level with an elevation of approximately 200 feet above mean sea level (amsl). Kent Avenue provides local access to the Subject Property via State Route 41. Agricultural fields border the Subject Property to the south, and a dairy operation and irrigation canal occur to the west. A small farm occurs to the north.

2.3 ENVIRONMENTAL RECORDS SOURCES

The Environmental Database Research, Inc. (EDR) radius map report (**Appendix A**), the State of California's State Water Resources Control Board (SWRCB) GeoTracker database (GeoTracker), and the California Department of Toxic Substances Control (DTSC) EnviroStor database (EnviroStor) provided search and documentation of local hazardous materials data. Land use and zoning designations of the Subject Property were reviewed through information provided by Kings County. The Subject Property has a land use designation of General Agriculture 20 acres, as defined by the Kings County General Plan 2035 (Kings County, 2010).

Pacific Gas and Electric (PG&E) provides electrical utilities in the vicinity of the Subject Property (California Energy Commission, 2020). An overhead electrical utility line runs in an east-west direction along Jersey Ave. on the northern border and along Kent Ave. on the southern border.

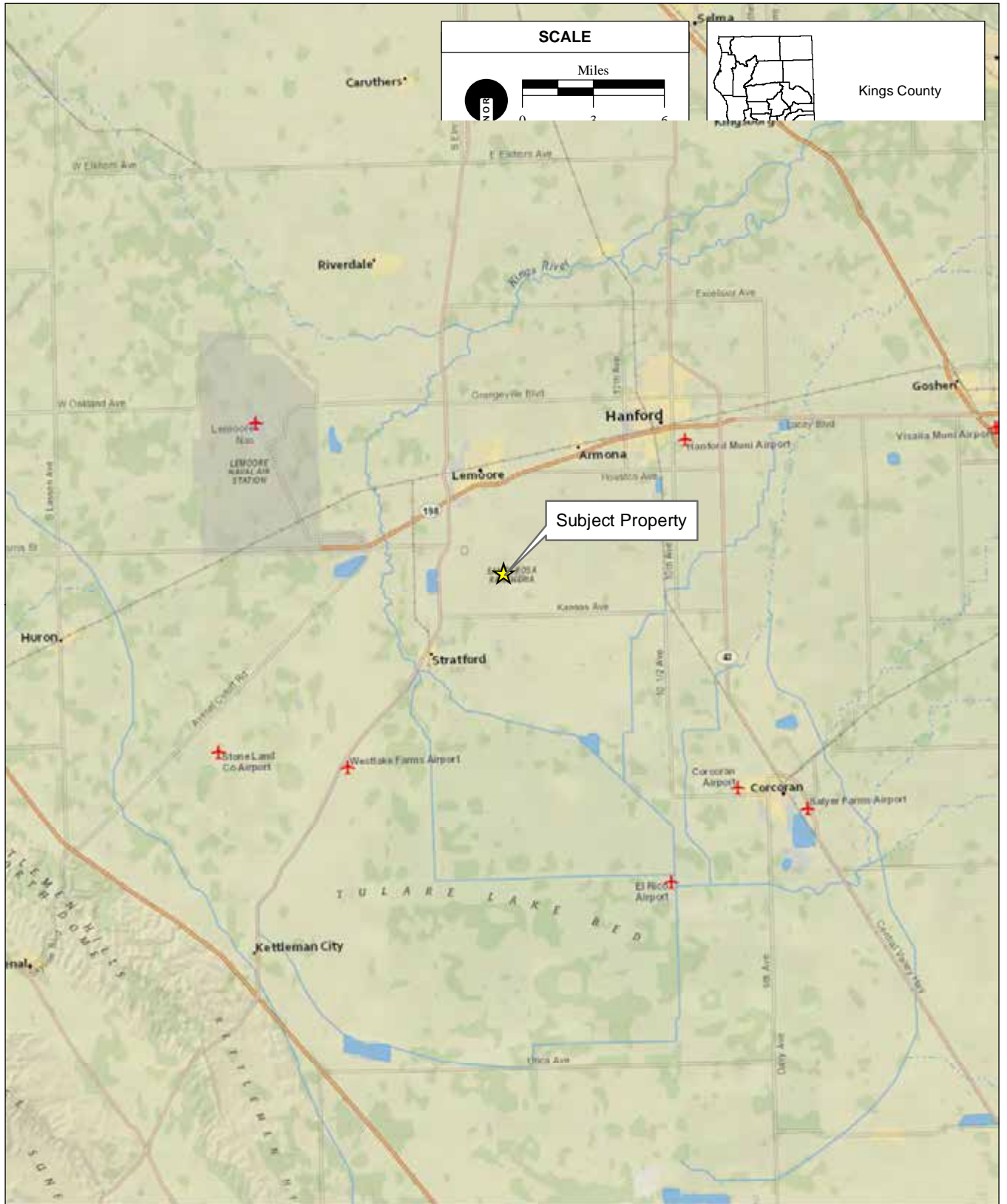
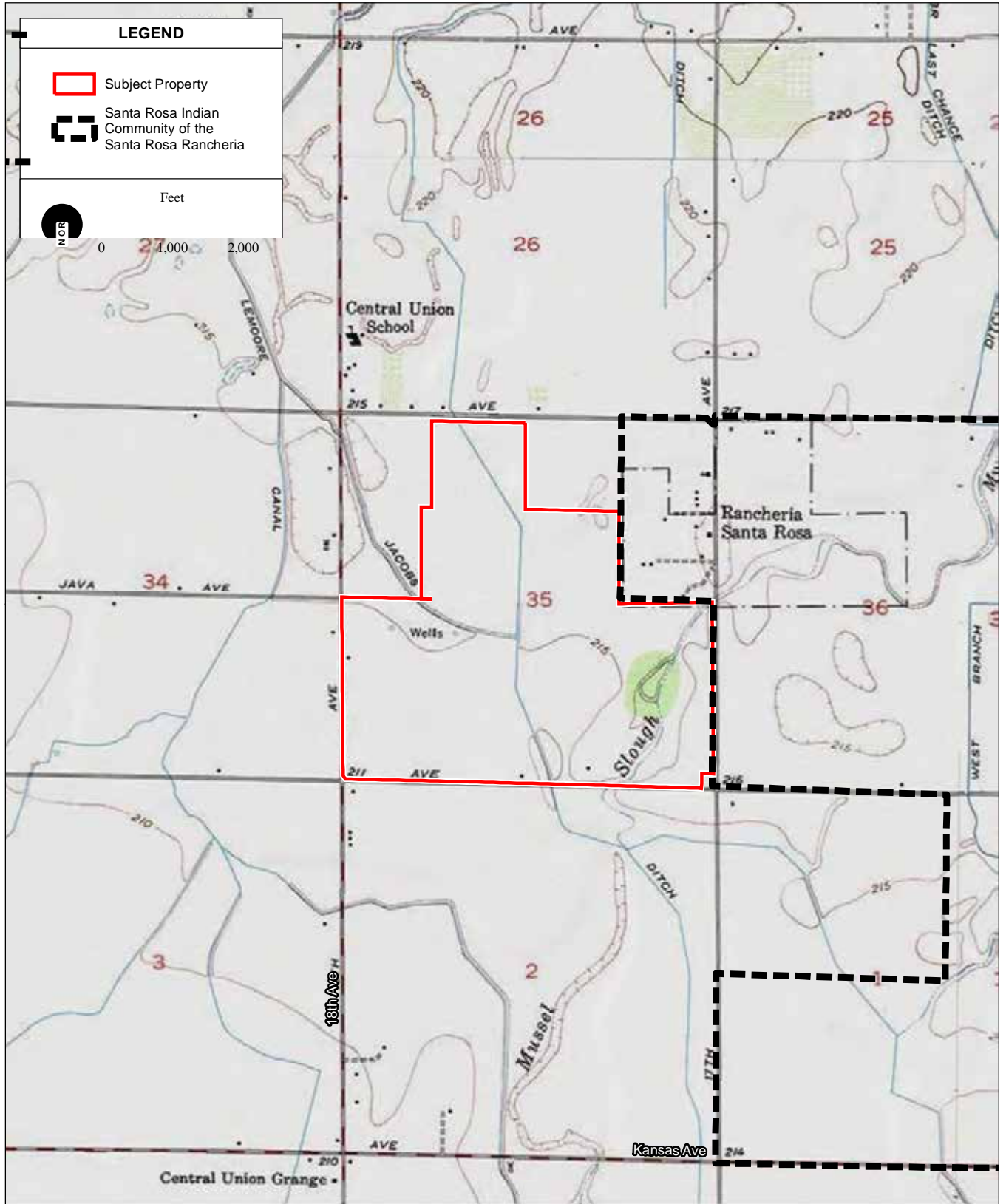


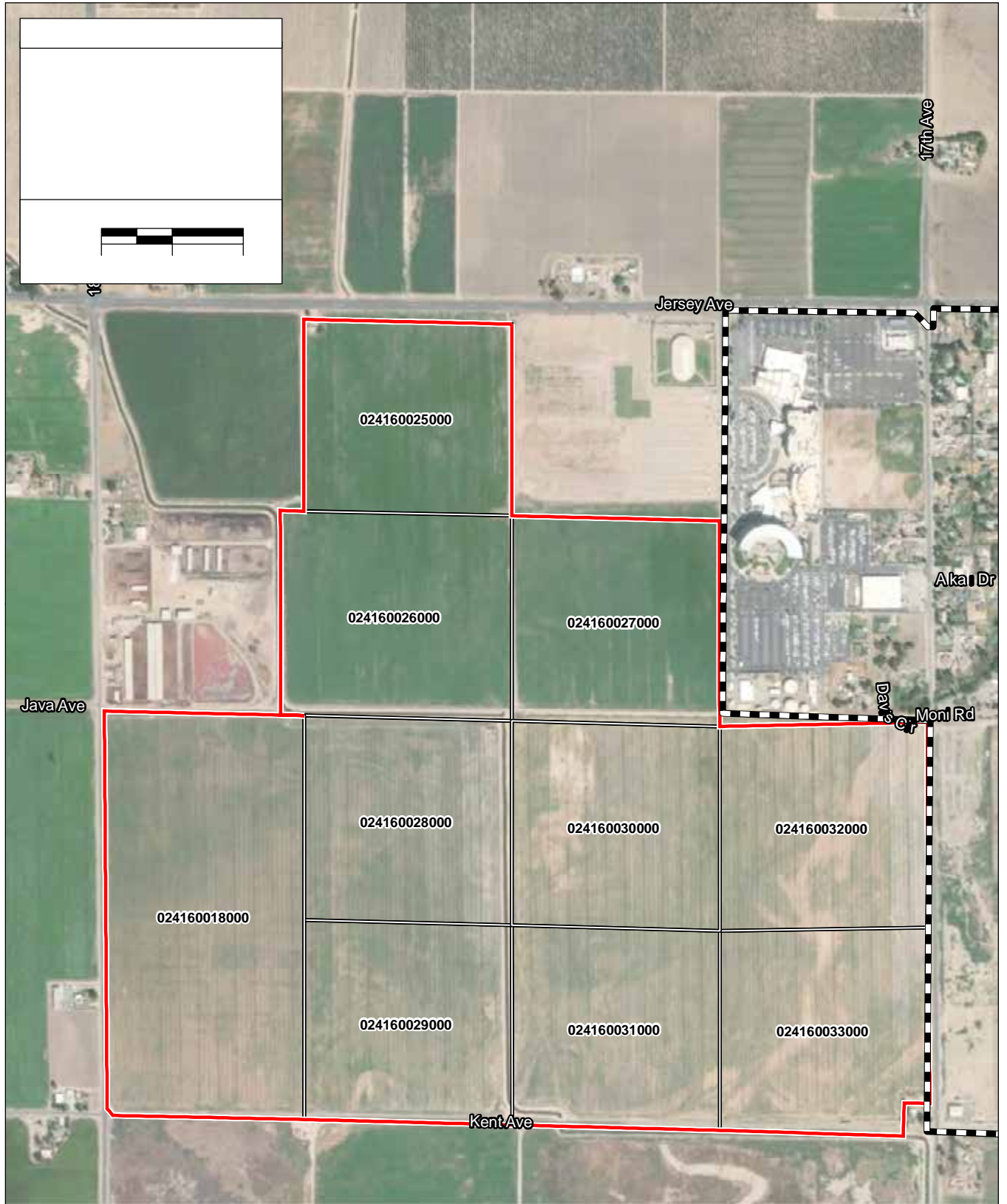
Figure 1
Regional Location



SOURCE: "Stratford, CA" USGS 7.5 Minute Topographic Quadrangle, T19S R20E, Section 35, Mt. Diablo Baseline & Meridian; AES, 9/4/2020

Santa Rosa Rancheria Gilcrease Parcels Phase I ESA/220503

Figure 2
Site and Vicinity



SOURCE: Maxar aerial photograph, 8/20/2019; AES, 9/4/2020

Santa Rosa Rancheria Gilcrease Parcels Phase 1 ESA / 220503 ■

Figure 3
Aerial Photograph

Electrical lines supply power to the irrigation pumps on the Subject property, and occur in a north-west direction along the access road on the eastern border of parcel APN 024-160-025.

2.4 HYDROLOGY

The Subject Property is within the Tulare Lake Hydrologic Basin within the South Valley Floor Hydrologic Unit and Hanford Lemoore Hydrologic Area (Caltrans, 2019). Irrigation pumps were actively conveying water from the Lemoore Canal that runs through the Property into irrigation ditches.

2.5 GEOLOGY AND SOIL

The rock stratigraphic unit of the Subject Property is of the Cenozoic era, Quaternary system, and Quaternary rocks series (**Appendix A**). The dominant soil within the Subject Property is Grangeville fine sandy loam, which is a Hydrologic Group C soil defined as somewhat poorly drained soil with slow infiltration rates containing soil layers that impede the downward movement of water. This soil type is listed as Farmland of Statewide Importance (NRCS, 2020).

2.6 CURRENT USES OF THE SUBJECT PROPERTY

The Subject Property contains agricultural fields and an irrigation canal that flows along the western and southern borders of parcel 024-160-026 and the eastern border of parcels 024-160-028 and -029 before connecting to irrigation ditches to the south (**Figure 3**). Surrounding properties north, south, and west of the Subject Property are primarily agricultural, and the Tachi Palace Casino Resort occurs to the east. Site photographs of the Subject Property are shown in **Figure 4**.

2.7 HISTORIC USES OF THE SUBJECT PROPERTY

Aerial Photographs

Aerial photographs (**Appendix B**) were reviewed for information regarding historic and current uses within and in the vicinity of the Subject Property. The following aerial photographs were available for review at a scale of 1" = 500': 1937, 1940, 1950, 1974, 1976, 1984, 1994, 2006, 2009, 2012, and 2016. Aerial photographs were of varying clarity. From the first available aerial in 1937, the Subject Property and surrounding land uses consist of agricultural, rural residential, and undeveloped open space. Increased rural residential development with a small community development east of the Subject Property can be seen starting in the 1974 aerials. Agricultural operations on the Subject Property are well defined within the 1984 aerial, and five ponds are visible to the east. The Tachi Palace Casino Resort is shown east of the Subject Property in the 2006 aerial. The Subject Property contains agriculture through the 2016 aerial.

Topographic Maps

United States Geological Survey (USGS) topographic maps (**Appendix C**) were reviewed for information regarding historic and current uses within and near the Subject Property. The 1926, 1927, 1929, 1954, 2012 Stratford, Guernsey, Lemoore, and Hanford; the 1940 and 1942 Stratford and Corcoran; and the 1943 and the 1950 Stratford topographic quadrangles were available for review. Topographic maps were of varying clarity. From the first available topographic map in 1926, 1927, and 1929 maps show the Subject Property and adjacent Santa Rosa Rancheria surrounded by agricultural land and undeveloped open space. Little development or change to the area is apparent in the area from the first maps to the 1954 topographic map. A greater road network is shown in the 2012 topographic map.

2.8 SANBORN FIRE INSURANCE MAPS

The Subject Property is unmapped through the Sanborn Library (**Appendix D**).

2.9 OTHER PHYSICAL SETTING SOURCES

National Wetlands Inventory Map

An intermittent riverine channel that is seasonally flooded (R4SBCx) as classified by the United States Fish and Wildlife (USFWS) National Wetlands Inventory (NWI) was identified within the Subject Property (USFWS, 2020). This system follows the path of an irrigation canal observed on the Subject Property. Additional unknown perennial riverine systems with unconsolidated bottoms (R5UBFx) are mapped by NWI using color infrared imagery taken in 1987 (USFWS, 2020) but were not observed on the Subject Property. An intermittent riverine system that is seasonally flooded (R4SBC) was mapped by NWI using color infrared imagery from 1987 (USFWS, 2020) along the east portion of the Subject Property, but was not observed during the site visit

Federal Emergency Management Agency Flood Insurance Rate Map

The majority of the Subject Property is located within Flood Zone X, which is identified by the Federal Emergency Management Agency (FEMA) as an area determined to be outside the 0.2 percent annual chance floodplain. Approximately 27.7 acres within the southwest portion of the Subject Property and 27.6 acres along the east side are within Flood Zone A, defined as “areas subject to inundation by the 1-percent-annual-chance flood event’. A copy of the FEMA Flood Insurance Rate Map (FIRM) is included in **Appendix G**.

SECTION 3.0

SITE RECONNAISSANCE AND INTERVIEWS

3.1 OBJECTIVE

The site reconnaissance was conducted to identify current or historic hazardous materials involvement on or in the vicinity of the Subject Property. Hazardous materials involvement or signature environmental conditions include the presence or likely presence of hazardous materials or petroleum products that indicate existing release, past release, or a threat of release into structures on the Subject Property, soil, or groundwater. Signs of possible hazardous materials involvement include indications of USTs; stained soils and/or unusual odors; indications of excavation or soil removal including patched asphalt and large debris piles; and other obvious indicators.

3.2 FINDINGS

Figures 4 includes photographs of site conditions at the time of the site visit. Notable features and environmental conditions are listed below.

- Irrigation pump actively discharging to an irrigation canal (**Photo 1**)
- Power lines running north-south along access road to irrigation pumps (**Photo 2**)
- Unused pump at the southeast corner of parcel 024-160-025 (**Photo 3**)
- Agricultural fields within the Subject Property (**Photo 4**)

No indications of hazardous materials releases were observed. No oil or gas wells or evidence of exploration or drilling were observed on the Subject Property.

3.3 ADJACENT PROPERTIES

A survey of adjacent properties was conducted to the extent feasible without trespassing to identify land uses of adjacent properties and determine if land uses would affect the current and/or future planned use of the Subject Property. Adjacent land uses are described below.

- North: Residential ranch with agricultural fields, dairy, Tachi Palace Casino Resort
- South: Agricultural fields
- West: Dairy and agricultural fields
- East: Tachi Palace Casino Resort

3.4 INTERVIEWS AND QUESTIONNAIRES

Standard client and property owner interviews and questionnaires are included as **Appendix H**. The property owner questionnaire and the tribal government interview were completed by Leland McGee on November 9, 2020 and February 17, 2021 respectively. No REC's were identified in either of these interviews. Ryan Macintoch was interviewed over the phone as an adjacent property owner on February 24, 2021. No REC's were identified during this interview.



PHOTO 1: Irrigation pump discharging to irrigation canal



PHOTO 2: Power lines to irrigation pumps



PHOTO 3: Unused pump at SE corner of parcel 024-160-025



PHOTO 4: Agricultural Fields

SECTION 4.0

RECORDS REVIEW

4.1 REGULATORY AGENCY DATABASE SEARCHES

The regulatory agency database search was conducted by EDR, a computerized search firm that uses a geographic information system to plot locations of known storage tank sites and known sites of hazardous materials generation, storage, and/or contamination up to a 1.0-mile radius from a point roughly equivalent to the center of the Subject Property. Although a site may be listed within a regulatory agency database search, the listed site may not currently be contaminated or affect the environmental quality of the Subject Property and therefore be considered a REC. The regulatory agency database search is only as accurate as the data and date the data entered into the regulatory agency-maintained database was last updated. If not reported to the appropriate regulatory agency, installation of USTs or hazardous materials releases would not be listed on the regulatory agency databases searched. The complete list of reviewed regulatory agency databases is provided in the Map Finding Summary section of the EDR radius map report included as **Appendix A** and is summarized in **Table 2**. In addition, the information on past and/or current hazardous material involvement relating to adjacent properties is summarized in **Section 4.2.2**.

TABLE 2
ENVIRONMENTAL DATA RESOURCES (EDR) SUMMARY OF AGENCY DATABASES

| REGULATORY AGENCY DATABASE | MINIMUM SEARCH DISTANCE | PROPERTY LISTED | SITES LISTED |
|---|-------------------------|-----------------|--------------|
| United States Environmental Protection Agency (USEPA) National Priorities List (NPL) | 1.00 mile | No | 0 |
| USEPA Proposed NPL | 1.00 mile | No | 0 |
| USEPA NPL Liens | TP | No | 0 |
| USEPA Delisted NPL | 1.00 mile | No | 0 |
| USEPA Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Federal Facility | 0.50 mile | No | 0 |
| USEPA CERCLIS Superfund Enterprise Management System (SEMS) | 0.50 mile | No | 0 |
| USEPA CERCLIS No Further Remedial Action Planned (NFRAP) SEMS – Archive | 0.50 mile | No | 0 |
| USEPA Resource Conservation and Recovery Act (RCRA) Corrective Action Reports (CORRACTS) | 1.00 mile | No | 0 |
| USEPA RCRA non-CORRACTS Treatment, Storage, and Disposal Facilities (TSDF) | 0.50 mile | No | 0 |
| USEPA RCRA Large Quantity Generators (LQG) | 0.25 mile | No | 0 |
| USEPA RCRA Small Quantity Generators (SQG) | 0.25 mile | No | 0 |
| USEPA RCRA Very Small Quantity Generators (VSQG) | 0.25 mile | No | 0 |
| USEPA Land Use Control Information System (LUCIS) | 0.50 mile | No | 0 |
| USEPA Engineering Controls Sites List (US ENG CONTROLS) | 0.50 mile | No | 0 |
| USEPA Institutional Controls Sites List (US INST CONTROL) | 0.50 mile | No | 0 |
| United States Coast Guard (USCG) Emergency Response Notification System (ERNS) | TP | No | 0 |

| REGULATORY AGENCY DATABASE | MINIMUM SEARCH DISTANCE | PROPERTY LISTED | SITES LISTED |
|---|-------------------------|-----------------|--------------|
| California Department of Toxic Substance and Control (DTSC) Response Sites (RESPONSE) | 1.00 mile | No | 0 |
| EnviroStor (ENVIROSTOR) | 1.00 mile | No | 1 |
| CA State Waste Facility/Landfill (SWF/LF) | 0.50 mile | No | 0 |
| CA Leaking Underground Storage Tanks (LUST) | 0.50 mile | No | 1 |
| Indian LUST | 0.50 mile | No | 0 |
| CA SLIC | 0.50 mile | No | 0 |
| Federal Emergency Management Agency (FEMA) Underground Storage Tank (UST) | 0.25 mile | No | 0 |
| CA UST | 0.25 mile | No | 0 |
| CA Aboveground Storage Tank (AST) | 0.25 mile | No | 0 |
| Indian UST | 0.25 mile | No | 1 |
| Indian Voluntary Cleanup Program (VCP) | 0.50 mile | No | 0 |
| CA VCP | 0.50 mile | No | 0 |
| CA Brownfields | 0.50 mile | No | 0 |
| USEPA Brownfields | 0.50 mile | No | 0 |
| CA Waste Management Unit Database (WMUDS/SWAT) | 0.50 mile | No | 0 |
| CA State Recycling Facilities (SWRCY) | 0.50 mile | No | 0 |
| CA Registered Waste Tire Haulers Listing (HAULERS) | TP | No | 0 |
| Indian Open Dump Inventory (ODI) | 0.50 mile | No | 0 |
| USEPA Debris Region 9 | 0.50 mile | No | 0 |
| USEPA ODI | 0.50 mile | No | 0 |
| IHS Open Dumps | 0.50 mile | No | 0 |
| US Historic Clandestine Laboratory (US HIST CDL) | TP | No | 0 |
| CA Historical Calsites Database (HIST Cal-Sites) | 1.00 mile | No | 0 |
| CA School Property Evaluation Program (SCH) | 0.25 mile | No | 0 |
| CA CDL | TP | No | 0 |
| Toxic Pit Cleanup Act Sites (Toxic Pits) | 1.00 mile | No | 0 |
| CERS HAZ WASTE | 0.25 mile | No | 0 |
| US CDL | TP | No | 0 |
| PFAS | 0.5 mile | No | 0 |
| CA State Water Resources Control Board (SWRCB) Underground Storage Tank Division Registered UST List (SWEEPS UST) | 0.25 mile | No | 0 |
| CA Historical Registered UST (HIST UST) | 0.25 mile | No | 0 |
| CERS Tanks | 0.25 mile | No | 0 |
| CA Facility Inventory Database (FID UST) | 0.25 mile | No | 0 |
| CERCLA LIENS | TP | No | 0 |
| CERCLA LIENS 2 | TP | No | 0 |
| California Deed Restriction Listing (DEED) | 0.50 mile | No | 0 |
| Hazardous Material Information Reporting System (HMIRS) | TP | No | 0 |
| CA HMIRS (CHMIRS) | TP | No | 0 |
| CA Land Disposal Sites Listing (LDS) | TP | No | 0 |
| CA Military Cleanup Sites Listing (MCS) | TP | No | 0 |

| REGULATORY AGENCY DATABASE | MINIMUM SEARCH DISTANCE | PROPERTY LISTED | SITES LISTED |
|---|-------------------------|-----------------|--------------|
| CA SPILLS 90 | TP | No | 0 |
| USEPA RCRA Non-Generators (NonGen) / No Longer Regulated (NLR) | 0.25 mile | No | 0 |
| Formerly Used Defense Sites (FUDS) | 1.00 mile | No | 0 |
| Department of Defense (DOD) | 1.00 mile | No | 0 |
| State Coalition for Remediation of Drycleaners (SCRD DRYCLEANERS) | 0.50 mile | No | 0 |
| US Financial Assurance Data (US FIN ASSUR) | TP | No | 0 |
| USEPA Watch List | TP | No | 0 |
| 2020 Corrective Action (2020 COR ACTION) | 0.25 mile | No | 0 |
| Toxic Substances Control Act (TSCA) | TP | No | 0 |
| Toxic Chemical Release Index System (TRIS) | TP | No | 0 |
| Section 7 Tracking System (SSTS) | TP | No | 0 |
| Records of Decision (ROD) | 1.00 mile | No | 0 |
| Risk Management Plans (RMP) | TP | No | 0 |
| RCRA Administrative Action Tracking System (RAATS) | TP | No | 0 |
| Potentially Responsible Parties (PRP) | TP | No | 0 |
| Polychlorinated Biphenyl (PCB) Activity Database System (PADS) | TP | No | 0 |
| Integrated Compliance Information System (ICIS) | TP | No | 0 |
| Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) / TSCA Tracking System (FTTS) | TP | No | 0 |
| Material Licensing Tracking System (MLTS) | TP | No | 0 |
| Steam-Electric Plant Operation Data (COAL ASH DOE) | TP | No | 0 |
| Coal Combustion Residues Surface Impoundments (COAL ASH USEPA) | 0.50 mile | No | 0 |
| PCB Transformer Registration Database (PCB TRANSFORMER) | TP | No | 0 |
| Radiation Information Database (RADINFO) | TP | No | 0 |
| FTTS Administrative Case Listing (HIST FTTS) | TP | No | 0 |
| Incident and Accident Data (DOT OPS) | TP | No | 0 |
| Superfund (CERCLA) Consent Decrees (CONSENT) | 1.00 mile | No | 0 |
| Indian Reservations (INDIAN RESERV) | TP | No | 0 |
| Formerly Utilized Sites Remedial Action Program (FUSRAP) | 1.00 mile | No | 0 |
| Uranium Mill Tailings Sites (UMTRA) | 0.50 mile | No | 0 |
| Lead Smelters | TP | No | 0 |
| Aerometric Information Retrieval System Facility Subsystem (US AIRS) | TP | No | 0 |
| Mines Master Index File (US MINES) | 0.25 mile | No | 0 |
| Abandoned Mines | TP | No | 0 |
| USEPA Facility Index System (FINDS) | TP | No | 0 |
| Unexploded Ordnance Sites (UXO) | 1.00 mile | No | 0 |
| Docket Hazardous Waste Compliance (DOCKET HWC) | TP | No | 0 |
| Enforcement and Compliance History Online (ECHO) | TP | No | 0 |
| USEPA Fuels Program (FUELS PROGRAM) | 0.25 mile | No | 0 |

| REGULATORY AGENCY DATABASE | MINIMUM SEARCH DISTANCE | PROPERTY LISTED | SITES LISTED |
|--|-------------------------|-----------------|--------------|
| CA Department of Health Services (DHS) Bond Expenditure Plan (CA BOND EXP. PLAN) | 1.00 mile | No | 1 |
| CA Cortese Hazardous Waste and Substances List (Cortese) | 0.50 mile | No | 1 |
| CA Certified Unified Program Agency (CUPA) Listings | 0.25 mile | No | 1 |
| CA Dry Cleaners | 0.25 mile | No | 0 |
| California Integrated Water Quality System (CIWQS) | TP | No | 0 |
| CA Emissions Inventory Data (EMI) | TP | No | 0 |
| CA Enforcement Action Listing (ENF) | TP | No | 0 |
| CA FIN ASSUR | TP | No | 0 |
| CA Facility and Manifest Data (HAZNET) | TP | No | 0 |
| ICE | TP | No | 0 |
| HIST CORTESE | 0.50 mile | No | 1 |
| CA EnviroStor Permitted Facilities Listing (HWP) | 1.00 mile | No | 0 |
| CA Registered Hazardous Waste Transporter Database (HWT) | 0.25 mile | No | 0 |
| CA Mines Site Location Listing (MINES) | TP | No | 0 |
| CA Medical Waste Management Program Listing (MMWP) | 0.25 mile | No | 0 |
| CA NPDES Permits Listing (NPDES) | TP | No | 0 |
| CA Pesticide Regulation Licenses Listing (PEST LIC) | TP | No | 0 |
| CA Certified Processors Database (PROC) | 0.50 mile | No | 0 |
| CA SWRCB Proposition 65 Records (Notify 65) | 1.00 mile | No | 0 |
| CERS | TP | No | 0 |
| CA UIC Listing (UIC) | TP | No | 0 |
| CA Oil Wastewater Pits Listing (WASTEWATER PITS) | 0.50 mile | No | 0 |
| CA Waste Discharge System (WDS) | TP | No | 0 |
| CA Well Investigation Program Case List (WIP) | 0.25 mile | No | 0 |
| EDR Proprietary Manufactured Gas Plants (EDR MGP) | 1.00 mile | No | 0 |
| EDR Hist Auto | 0.125 mile | No | 0 |
| EDR Exclusive Historical Cleaners (EDR Hist Cleaner) | 0.125 mile | No | 0 |
| Recovered Government Archive Solid Waste Facilities List (RGA LF) | TP | No | 0 |
| RGA LUST | TP | No | 0 |
| TOTAL | | | 6 |
| Source: Appendix A TP = Target Property Sites may be listed in more than one database | | | |

4.2 HAZARDOUS MATERIALS INVOLVEMENT

The EDR radius map report included in **Appendix A** was reviewed to determine whether the Subject Property and adjacent properties are listed on regulatory agency databases and contain RECs that would affect the environmental quality of the Subject Property. Hazardous materials involvement within the Subject Property and adjacent properties is discussed below.

Subject Property

The Subject Property was not listed in the databases reviewed through the EDR radius map report included in **Appendix A**. There are currently no open hazardous materials cases or registered bulk storage tanks that hold materials posing a significant environmental risk on the Subject Property.

Adjacent Properties

Six database listings are located on two sites within a one-mile radius of the Subject Property. However, a site listed on a regulatory agency database does not necessarily mean a hazardous materials release occurred at the listed site. There are no open cases that would pose a significant risk to the environmental quality of the Subject Property. Both sites are described below.

VL Furtado Dairy- 16283 18th Avenue, Lemoore, CA, 93245

This site is an operating dairy facility located 677 feet west of the Subject Property that is listed on the CUPA LISTINGS, ENF, CIWQS, and CERS databases. The current dairy operator, Victor Furtado, filed ownership of the business in 2017. Since his ownership, one violation has occurred in 2018 for failing to submit a hazardous material inventory and provide a site map. These violations were returned to compliance within three days. Additionally the dairy has recorded three violations in 2019 for past Annual Report deficiencies, failure to submit a Report of Waste Discharge, and for waste applications to crops, which resulted in a nitrogen balance ratio in excess of 1.65. This was in violation of Land Application Specifications E.5. and Attachment C, Technical Standards for Nutrient Application Rates, Nitrogen, section B.2.a (CIWQS 2020). These violations have not been listed as priority violations. The previous owner received one violation in 2014 for a failure to update the hazardous material inventory which was returned to compliance within three days. Because violations have been addressed, this site is not likely to pose a significant risk to the environmental quality of the Subject Property.

Central Union School- 15783 18th Avenue, Lemoore, CA, 9324

This site is located 1,789 feet northwest of the Subject Property and is a closed site listed on the CA BOND EXP. PLAN, ENVIROSTOR, LUST, HIST CORTESE, and CERS databases. In 1983, gasoline and water were discovered in a service pit near an underground storage tank (gasoline). The presence of gasoline indicated that a leak had occurred in either the tank or connecting pipe. The gasoline tank was taken out of service immediately and at the time of removal, Kings County Health Department staff noted several holes in the tank in excess of one inch in diameter. Soils samples collected under the tank contained extremely high levels of benzene, toluene, ethylbenzene and xylene; water wells near the underground tank have not been contaminated by these constituents (**Attachment A**). If contamination is subsequently detected, DHS will evaluate and implement actions necessary to protect the public health. The case was closed in 1996 (SWRCB 1996). The site is an HREC and is not likely to pose a significant risk to the environmental quality of the Subject Property due to the stability of the plume, the lack of groundwater contamination, and the distance from the Subject Property.

SECTION 5.0

FINDINGS AND CONCLUSIONS

5.1 FINDINGS

Based on information gathered while conducting this Phase I ESA, the following environmental findings are provided:

- The Subject Property contains agricultural fields with irrigation pumps and ditches.
- During the site reconnaissance inspection, there was no visible evidence of stained soils or hazardous materials releases observed within the Subject Property.
- No RECs have been identified within the Subject Property.
- Surrounding properties listed in the EDR radius map report have been reviewed and one HRECs has been identified. There is no significant threat to the environmental integrity of the Subject Property.

5.2 CONCLUSIONS AND RECOMMENDATIONS

This Phase I ESA has been prepared in conformance with the BIA guidelines (602 DM Chapter 2) and the ASTM Standard Practice E 1527-13. Any exceptions to, or deletions from, this practice are described in **Section 1.0** of this report. Based on the site conditions during the August 17-19, 2020 site reconnaissance inspection and information in the EDR report (**Appendices A, B, C, D, and E**), no RECs, CRECs or HRECs were identified on or in the immediate vicinity of the Subject Property that would be likely to pose a significant impact to the environmental integrity of the Subject Property. Physical testing of soil or groundwater is not recommended at this time.


SECTION 6.0

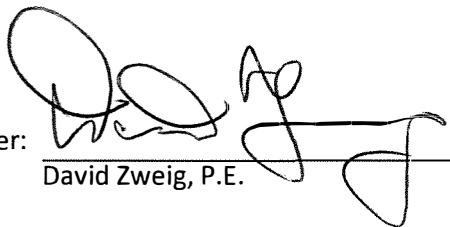
REPORT AUTHORS AND REFERENCES

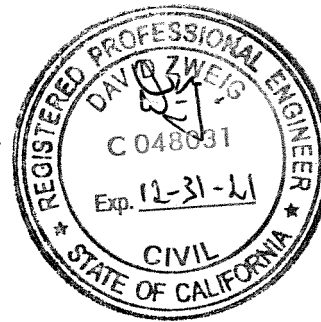
The undersigned declare to the best of their professional opinion that they meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. David Pfuhrer, Site Assessor, assembled this report under the professional supervision of David Zweig, Professional Engineer (P.E.), who qualifies as an environmental professional (EP) as defined in ASTM Standard E1527-13, and have the specific qualifications based on education, training, and experience to assess a property of the nature, and setting of the Subject Property. The signatures of David Pfuhrer and David Zweig, P.E. appear below and their resumes are included in **Appendix F**.

REPORT PREPARATION

Analytical Environmental Services
1801 7th Street, Suite 100
Sacramento, CA 95811

Site Assessor: 
David Pfuhrer

Senior Reviewer: 
David Zweig, P.E.



REFERENCES

- American Society for Testing and Materials (ASTM), 2013. Practice E1527-13: "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process."
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APPENDICES

APPENDIX A

EDR RADIUS MAP REPORT WITH GEOCHECK

Gilcrease Property

Not Reported

Lemoore, CA 93245

Inquiry Number: 6163511.2s

August 20, 2020

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

NOT REPORTED
LEMOORE, CA 93245

COORDINATES

Latitude (North): 36.2293660 - 36° 13' 45.71"
Longitude (West): 119.7782350 - 119° 46' 41.64"
Universal Tranverse Mercator: Zone 11
UTM X (Meters): 250295.7
UTM Y (Meters): 4012767.5
Elevation: 217 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5603218 STRATFORD, CA
Version Date: 2012

North Map: 5619120 LEMOORE, CA
Version Date: 2012

Northeast Map: 5619114 HANFORD, CA
Version Date: 2012

Southeast Map: 5603180 GUERNSEY, CA
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140627, 20140619, 20140618
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
NOT REPORTED
LEMOORE, CA 93245

Click on Map ID to see full detail.

| MAP ID | SITE NAME | ADDRESS | DATABASE ACRONYMS | RELATIVE ELEVATION | DIST (ft. & mi.) DIRECTION |
|--------------------|----------------------|-------------------|---|--------------------|-------------------------------|
| 1 | VL FURTADO DAIRY | 16283 18TH AVENUE | CUPA Listings, ENF, CIWQS, CERS | Higher | 677, 0.128, NNW |
| A2 | CENTRAL UNION SCHOOL | 15783 18TH AVENUE | CA BOND EXP. PLAN | Higher | 1789, 0.339, North |
| A3 | CENTRAL UNION HIGH S | 15783 18TH AVENUE | ENVIROSTOR, LUST, Cortese, HIST CORTESE, CERS | Higher | 1789, 0.339, North |

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

RESPONSE..... State Response Sites

State and tribal landfill and/or solid waste disposal site lists

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

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC..... Statewide SLIC Cases

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Active UST Facilities
AST..... Aboveground Petroleum Storage Tank Facilities
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Properties

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT..... Waste Management Unit Database
SWRCY..... Recycler Database
HAULERS..... Registered Waste Tire Haulers Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

EXECUTIVE SUMMARY

| | |
|---------------------|--|
| HIST Cal-Sites..... | Historical Calsites Database |
| SCH..... | School Property Evaluation Program |
| CDL..... | Clandestine Drug Labs |
| CERS HAZ WASTE..... | CERS HAZ WASTE |
| Toxic Pits..... | Toxic Pits Cleanup Act Sites |
| US CDL..... | National Clandestine Laboratory Register |
| PFAS..... | PFAS Contamination Site Location Listing |

Local Lists of Registered Storage Tanks

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

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

EXECUTIVE SUMMARY

| | |
|--------------------------|--|
| DOT OPS..... | Incident and Accident Data |
| CONSENT..... | Superfund (CERCLA) Consent Decrees |
| INDIAN RESERV..... | Indian Reservations |
| FUSRAP..... | Formerly Utilized Sites Remedial Action Program |
| UMTRA..... | Uranium Mill Tailings Sites |
| LEAD SMELTERS..... | Lead Smelter Sites |
| US AIRS..... | Aerometric Information Retrieval System Facility Subsystem |
| US MINES..... | Mines Master Index File |
| ABANDONED MINES..... | Abandoned Mines |
| FINDS..... | Facility Index System/Facility Registry System |
| ECHO..... | Enforcement & Compliance History Information |
| UXO..... | Unexploded Ordnance Sites |
| DOCKET HWC..... | Hazardous Waste Compliance Docket Listing |
| FUELS PROGRAM..... | EPA Fuels Program Registered Listing |
| DRYCLEANERS..... | Cleaner Facilities |
| EML..... | Emissions Inventory Data |
| ENF..... | Enforcement Action Listing |
| Financial Assurance..... | Financial Assurance Information Listing |
| HAZNET..... | Facility and Manifest Data |
| ICE..... | ICE |
| HWP..... | EnviroStor Permitted Facilities Listing |
| HWT..... | Registered Hazardous Waste Transporter Database |
| MINES..... | Mines Site Location Listing |
| MWMP..... | Medical Waste Management Program Listing |
| NPDES..... | NPDES Permits Listing |
| PEST LIC..... | Pesticide Regulation Licenses Listing |
| PROC..... | Certified Processors Database |
| Notify 65..... | Proposition 65 Records |
| UIC..... | UIC Listing |
| UIC GEO..... | UIC GEO (GEOTRACKER) |
| WASTEWATER PITS..... | Oil Wastewater Pits Listing |
| WDS..... | Waste Discharge System |
| WIP..... | Well Investigation Program Case List |
| MILITARY PRIV SITES..... | MILITARY PRIV SITES (GEOTRACKER) |
| PROJECT..... | PROJECT (GEOTRACKER) |
| WDR..... | Waste Discharge Requirements Listing |
| CIWQS..... | California Integrated Water Quality System |
| CERS..... | CERS |
| NON-CASE INFO..... | NON-CASE INFO (GEOTRACKER) |
| OTHER OIL GAS..... | OTHER OIL & GAS (GEOTRACKER) |
| PROD WATER PONDS..... | PROD WATER PONDS (GEOTRACKER) |
| SAMPLING POINT..... | SAMPLING POINT (GEOTRACKER) |
| WELL STIM PROJ..... | Well Stimulation Project (GEOTRACKER) |
| HWTS..... | Hazardous Waste Tracking System |
| MINES MRDS..... | Mineral Resources Data System |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | |
|-------------|--|
| RGA LF..... | Recovered Government Archive Solid Waste Facilities List |
|-------------|--|

EXECUTIVE SUMMARY

RGA LUST..... Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

STANDARD ENVIRONMENTAL RECORDS

State- and tribal - equivalent CERCLIS

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

A review of the ENVIROSTOR list, as provided by EDR, and dated 04/27/2020 has revealed that there is 1 ENVIROSTOR site within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|---------------------------------|---------------------------------------|------------------|------------------|
| <i>CENTRAL UNION HIGH S</i> Facility Id: 16820001 Status: Refer: RWQCB | <i>15783 18TH AVENUE</i> | <i>N 1/4 - 1/2 (0.339 mi.)</i> | <i>A3</i> | <i>19</i> |

State and tribal leaking storage tank lists

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

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

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|---------------------------------|---------------------------------------|------------------|------------------|
| <i>CENTRAL UNION HIGH S</i> Database: LUST REG 5, Date of Government Version: 07/01/2008 Database: LUST, Date of Government Version: 06/08/2020 | <i>15783 18TH AVENUE</i> | <i>N 1/4 - 1/2 (0.339 mi.)</i> | <i>A3</i> | <i>19</i> |

EXECUTIVE SUMMARY

Status: Completed - Case Closed
Status: Case Closed
Global Id: T0603100009

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|-------------------------------|-------------------|-----------------------------|---------------|-------------|
| CENTRAL UNION SCHOOL | 15783 18TH AVENUE | N 1/4 - 1/2 (0.339 mi.) | A2 | 18 |

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

A review of the Cortese list, as provided by EDR, and dated 03/23/2020 has revealed that there is 1 Cortese site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|--|--------------------------|--------------------------------|---------------|-------------|
| CENTRAL UNION HIGH S Cleanup Status: COMPLETED - CASE CLOSED | 15783 18TH AVENUE | N 1/4 - 1/2 (0.339 mi.) | A3 | 19 |

CUPA Listings: A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

A review of the CUPA Listings list, as provided by EDR, has revealed that there is 1 CUPA Listings site within approximately 0.25 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|--------------------------|----------------------------------|---------------|-------------|
| VL FURTADO DAIRY Database: CUPA KINGS, Date of Government Version: 05/11/2020 Status: I Status: A Facility Id: FA0004296 Facility Id: FA0004986 | 16283 18TH AVENUE | NNW 1/8 - 1/4 (0.128 mi.) | 1 | 9 |

EXECUTIVE SUMMARY

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

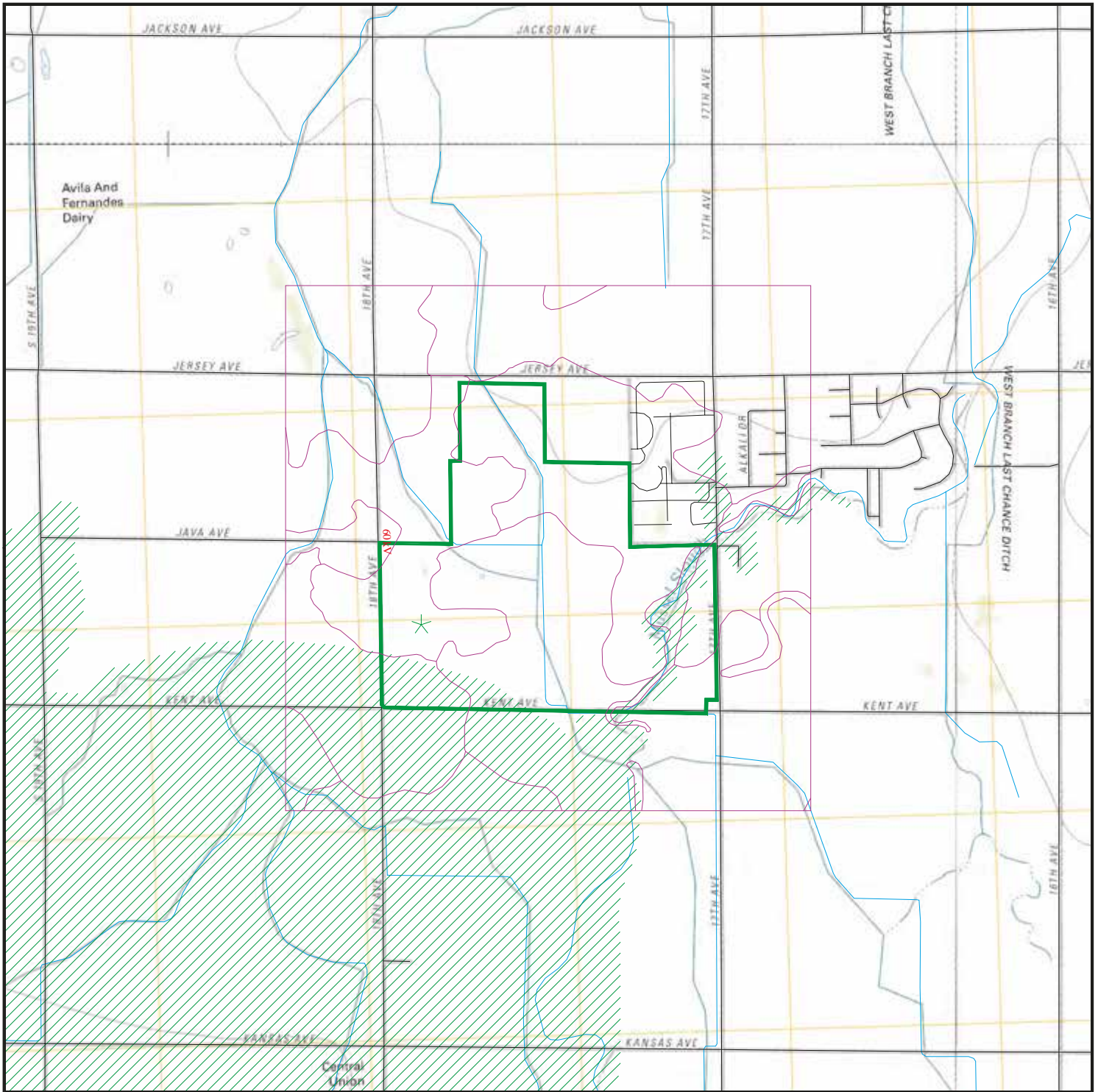
A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there is 1 HIST CORTESE site within approximately 0.5 miles of the target property.

| <u>Equal/Higher Elevation</u> | <u>Address</u> | <u>Direction / Distance</u> | <u>Map ID</u> | <u>Page</u> |
|---|--------------------------|--------------------------------|---------------|-------------|
| CENTRAL UNION HIGH S Reg Id: 5T16000008 | 15783 18TH AVENUE | N 1/4 - 1/2 (0.339 mi.) | A3 | 19 |

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6163511.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

Areas of Concern

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands

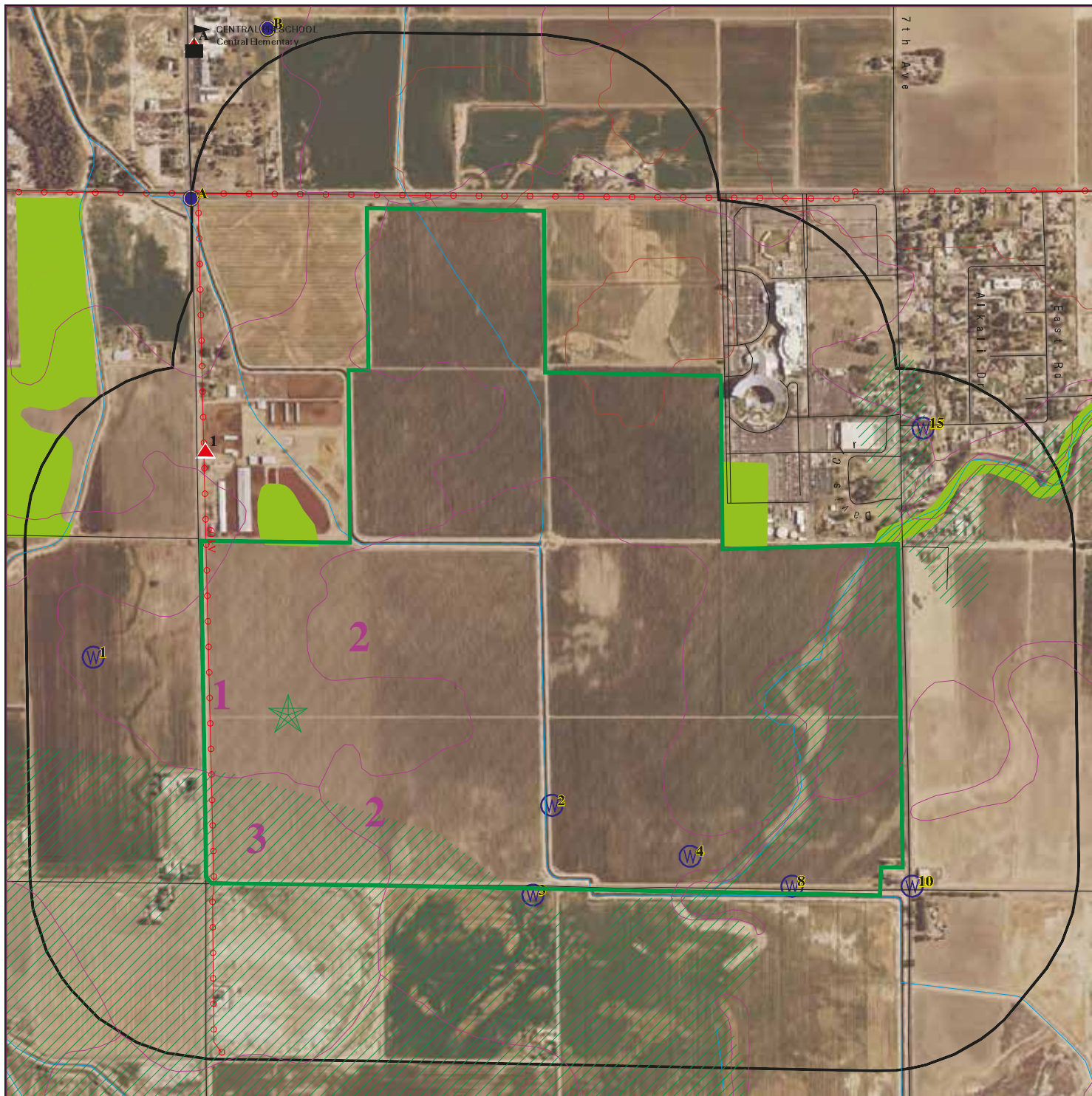


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore CA 93245
 LAT/LONG: 36.229366 / 119.778235

CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
 CONTACT: David M Pfuhrer
 INQUIRY #: 6163511.2s
 DATE: August 20, 2020 1:28 pm

DETAIL MAP - 6163511.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/8 1/4 1/2 Miles

Indian Reservations BIA

Areas of Concern

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

State Wetlands



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

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore CA 93245
 LAT/LONG: 36.229366 / 119.778235

CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
 CONTACT: David M Pfuhrer
 INQUIRY #: 6163511.2s
 DATE: August 20, 2020 1:30 pm

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|--|-------------------------------|--------------------|-------|-----------|-----------|---------|-----|------------------|
| STANDARD ENVIRONMENTAL RECORDS | | | | | | | | |
| <i>Federal NPL site list</i> | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal Delisted NPL site list</i> | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal CERCLIS list</i> | | | | | | | | |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| SEMS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal CERCLIS NFRAP site list</i> | | | | | | | | |
| SEMS-ARCHIVE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal RCRA CORRACTS facilities list</i> | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal RCRA non-CORRACTS TSD facilities list</i> | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal RCRA generators list</i> | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-VSQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| <i>State- and tribal - equivalent NPL RESPONSE</i> | | | | | | | | |
| RESPONSE | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| <i>State- and tribal - equivalent CERCLIS ENVIROSTOR</i> | | | | | | | | |
| ENVIROSTOR | 1.000 | | 0 | 0 | 1 | 0 | NR | 1 |
| <i>State and tribal landfill and/or solid waste disposal site lists</i> | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal leaking storage tank lists</i> | | | | | | | | |
| LUST | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---------------------|-------------------------|-----------------|-------|-----------|-----------|---------|-----|---------------|
| DRYCLEANERS | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| EMI | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ENF | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| Financial Assurance | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HAZNET | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| ICE | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HIST CORTESE | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| HWP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| HWT | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MWMP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| NPDES | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PEST LIC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PROC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| Notify 65 | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UIC | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| UIC GEO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WASTEWATER PITS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| WDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WIP | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| MILITARY PRIV SITES | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PROJECT | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WDR | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CIWQS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| CERS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| NON-CASE INFO | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| OTHER OIL GAS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| PROD WATER PONDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| SAMPLING POINT | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| WELL STIM PROJ | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| HWTS | TP | | NR | NR | NR | NR | NR | 0 |
| MINES MRDS | 0.001 | | 0 | NR | NR | NR | NR | 0 |

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

| | | | | | | | | |
|------------------|-------|--|---|----|----|----|----|---|
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR Hist Auto | 0.125 | | 0 | NR | NR | NR | NR | 0 |
| EDR Hist Cleaner | 0.125 | | 0 | NR | NR | NR | NR | 0 |

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

| | | | | | | | | |
|----------|-------|--|---|----|----|----|----|---|
| RGA LF | 0.001 | | 0 | NR | NR | NR | NR | 0 |
| RGA LUST | 0.001 | | 0 | NR | NR | NR | NR | 0 |

| | | | | | | | | |
|-------------|--|---|---|---|---|---|---|---|
| - Totals -- | | 0 | 0 | 1 | 5 | 0 | 0 | 6 |
|-------------|--|---|---|---|---|---|---|---|

MAP FINDINGS SUMMARY

| <u>Database</u> | <u>Search Distance (Miles)</u> | <u>Target Property</u> | <u>< 1/8</u> | <u>1/8 - 1/4</u> | <u>1/4 - 1/2</u> | <u>1/2 - 1</u> | <u>> 1</u> | <u>Total Plotted</u> |
|-----------------|--|----------------------------|-----------------|------------------|------------------|----------------|---------------|--------------------------|
|-----------------|--|----------------------------|-----------------|------------------|------------------|----------------|---------------|--------------------------|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1
NNW
1/8-1/4
0.128 mi.
677 ft.

VL FURTADO DAIRY
16283 18TH AVENUE
LEMOORE, CA 93245

CUPA Listings
ENF
CIWQS
CERS

S111213703
N/A

Relative:
Higher
Actual:
218 ft.

CUPA KINGS:
 Name: SIC DAIRIES
 Address: 16283 18TH AVE
 City,State,Zip: CA 93245
 Region: KING
 Facility Id: FA0004296
 Status: I
 PE: 2229
 Mailing Address 1: P. O. BOX 456
 Mailing State: CA
 Mailing Zip: 93245
 Decode of Fstatus: InActive
 Mailing Name: MANUEL ROSA JR.

Name: VL FURTADO DAIRY
 Address: 16283 18TH AVE
 City,State,Zip: HANFORD, CA 93245
 Region: KING
 Facility Id: FA0004986
 Status: A
 PE: 2229
 Mailing Address 1: 3061 CLUBHOUSE COURT
 Mailing State: CA
 Mailing Zip: 93245
 Decode of Fstatus: Active
 Mailing Name: VICTOR FURTADO

ENF:
 Name: VL FURTADO DAIRY
 Address: 16283 18TH AVENUE
 City,State,Zip: LEMOORE, CA 93245
 Region: Not reported
 Facility Id: 203931
 Agency Name: Not reported
 Place Type: Growing
 Place Subtype: Animal Feeding
 Facility Type: Agricultural
 Agency Type: Not reported
 # Of Agencies: Not reported
 Place Latitude: 36.234446
 Place Longitude: -119.780191
 SIC Code 1: 241
 SIC Desc 1: Dairy Farms
 SIC Code 2: Not reported
 SIC Desc 2: Not reported
 SIC Code 3: Not reported
 SIC Desc 3: Not reported
 NAICS Code 1: Not reported
 NAICS Desc 1: Not reported
 NAICS Code 2: Not reported
 NAICS Desc 2: Not reported
 NAICS Code 3: Not reported
 NAICS Desc 3: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

| | |
|-----------------------------------|--|
| # Of Places: | 1 |
| Source Of Facility: | Enf Action |
| Design Flow: | Not reported |
| Threat To Water Quality: | Not reported |
| Complexity: | Not reported |
| Pretreatment: | Not reported |
| Facility Waste Type: | Not reported |
| Facility Waste Type 2: | Not reported |
| Facility Waste Type 3: | Not reported |
| Facility Waste Type 4: | Not reported |
| Program: | Not reported |
| Program Category1: | Not reported |
| Program Category2: | ANIMALWASTE |
| # Of Programs: | Not reported |
| WDID: | Not reported |
| Reg Measure Id: | Not reported |
| Reg Measure Type: | Not reported |
| Region: | Not reported |
| Order #: | Not reported |
| Npdes# CA#: | Not reported |
| Major-Minor: | Not reported |
| Npdes Type: | Not reported |
| Reclamation: | Not reported |
| Dredge Fill Fee: | Not reported |
| 301H: | Not reported |
| Application Fee Amt Received: | Not reported |
| Status: | Not reported |
| Status Date: | Not reported |
| Effective Date: | Not reported |
| Expiration/Review Date: | Not reported |
| Termination Date: | Not reported |
| WDR Review - Amend: | Not reported |
| WDR Review - Revise/Renew: | Not reported |
| WDR Review - Rescind: | Not reported |
| WDR Review - No Action Required: | Not reported |
| WDR Review - Pending: | Not reported |
| WDR Review - Planned: | Not reported |
| Status Enrollee: | Not reported |
| Individual/General: | Not reported |
| Fee Code: | Not reported |
| Direction/Voice: | Not reported |
| Enforcement Id(EID): | 375617 |
| Region: | Not reported |
| Order / Resolution Number: | Not reported |
| Enforcement Action Type: | Notice of Violation |
| Effective Date: | 10/10/2010 |
| Adoption/Issuance Date: | Not reported |
| Achieve Date: | Not reported |
| Termination Date: | 01/01/2012 |
| ACL Issuance Date: | Not reported |
| EPL Issuance Date: | Not reported |
| Status: | Historical |
| Title: | NOV date for EUGENE & PAULINE MURPHY TRUST, TRIPLE S DAIRY |
| Description: | Not reported |
| Program: | ANIWSTCOWS |
| Latest Milestone Completion Date: | Not reported |
| # Of Programs1: | 1 |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

| | |
|---------------------------------|-------------------------------|
| Total Assessment Amount: | 0 |
| Initial Assessed Amount: | 0 |
| Liability \$ Amount: | 0 |
| Project \$ Amount: | 0 |
| Liability \$ Paid: | 0 |
| Project \$ Completed: | 0 |
| Total \$ Paid/Completed Amount: | 0 |
| Name: | VL FURTADO DAIRY |
| Address: | 16283 18TH AVENUE |
| City,State,Zip: | LEMOORE, CA 93245 |
| Region: | Not reported |
| Facility Id: | 203931 |
| Agency Name: | Eugene & Pauline Murphy Trust |
| Place Type: | Growing |
| Place Subtype: | Animal Feeding |
| Facility Type: | Agricultural |
| Agency Type: | Privately-Owned Business |
| # Of Agencies: | 2 |
| Place Latitude: | 36.234446 |
| Place Longitude: | -119.780191 |
| SIC Code 1: | 241 |
| SIC Desc 1: | Dairy Farms |
| SIC Code 2: | Not reported |
| SIC Desc 2: | Not reported |
| SIC Code 3: | Not reported |
| SIC Desc 3: | Not reported |
| NAICS Code 1: | Not reported |
| NAICS Desc 1: | Not reported |
| NAICS Code 2: | Not reported |
| NAICS Desc 2: | Not reported |
| NAICS Code 3: | Not reported |
| NAICS Desc 3: | Not reported |
| # Of Places: | 1 |
| Source Of Facility: | Reg Meas |
| Design Flow: | Not reported |
| Threat To Water Quality: | Not reported |
| Complexity: | Not reported |
| Pretreatment: | Not reported |
| Facility Waste Type: | Not reported |
| Facility Waste Type 2: | Not reported |
| Facility Waste Type 3: | Not reported |
| Facility Waste Type 4: | Not reported |
| Program: | ANIWSTCOWS |
| Program Category1: | ANIMALWASTE |
| Program Category2: | ANIMALWASTE |
| # Of Programs: | 1 |
| WDID: | 5D165083001 |
| Reg Measure Id: | 342143 |
| Reg Measure Type: | Enrollee - WDR |
| Region: | Not reported |
| Order #: | R5-2013-0122 |
| Npdes# CA#: | Not reported |
| Major-Minor: | Not reported |
| Npdes Type: | Not reported |
| Reclamation: | Not reported |
| Dredge Fill Fee: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

301H: Not reported
Application Fee Amt Received: 327
Status: Active
Status Date: 11/01/2016
Effective Date: 06/29/2007
Expiration/Review Date: 10/02/2018
Termination Date: Not reported
WDR Review - Amend: Not reported
WDR Review - Revise/Renew: Not reported
WDR Review - Rescind: Not reported
WDR Review - No Action Required: Not reported
WDR Review - Pending: Not reported
WDR Review - Planned: Not reported
Status Enrollee: N
Individual/General: I
Fee Code: 10 - Confined animal feeding facility
Direction/Voice: Passive
Enforcement Id(EID): 431213
Region: Not reported
Order / Resolution Number: Not reported
Enforcement Action Type: Notice of Violation
Effective Date: 06/12/2019
Adoption/Issuance Date: 06/12/2019
Achieve Date: Not reported
Termination Date: Not reported
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Active
Title: NOV 06/12/2019 for VL Furtado Dairy
Description: Not reported
Program: ANIWSTCOWS
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

Name: VL FURTADO DAIRY
Address: 16283 18TH AVENUE
City,State,Zip: LEMOORE, CA 93245
Region: Not reported
Facility Id: 203931
Agency Name: Eugene & Pauline Murphy Trust
Place Type: Growing
Place Subtype: Animal Feeding
Facility Type: Agricultural
Agency Type: Privately-Owned Business
Of Agencies: 2
Place Latitude: 36.234446
Place Longitude: -119.780191
SIC Code 1: 241
SIC Desc 1: Dairy Farms
SIC Code 2: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

| | |
|----------------------------------|---------------------------------------|
| SIC Desc 2: | Not reported |
| SIC Code 3: | Not reported |
| SIC Desc 3: | Not reported |
| NAICS Code 1: | Not reported |
| NAICS Desc 1: | Not reported |
| NAICS Code 2: | Not reported |
| NAICS Desc 2: | Not reported |
| NAICS Code 3: | Not reported |
| NAICS Desc 3: | Not reported |
| # Of Places: | 1 |
| Source Of Facility: | Reg Meas |
| Design Flow: | Not reported |
| Threat To Water Quality: | Not reported |
| Complexity: | Not reported |
| Pretreatment: | Not reported |
| Facility Waste Type: | Not reported |
| Facility Waste Type 2: | Not reported |
| Facility Waste Type 3: | Not reported |
| Facility Waste Type 4: | Not reported |
| Program: | ANIWSTCOWS |
| Program Category1: | ANIMALWASTE |
| Program Category2: | ANIMALWASTE |
| # Of Programs: | 1 |
| WDID: | 5D165083001 |
| Reg Measure Id: | 342143 |
| Reg Measure Type: | Enrollee - WDR |
| Region: | Not reported |
| Order #: | R5-2013-0122 |
| Npdes# CA#: | Not reported |
| Major-Minor: | Not reported |
| Npdes Type: | Not reported |
| Reclamation: | Not reported |
| Dredge Fill Fee: | Not reported |
| 301H: | Not reported |
| Application Fee Amt Received: | 327 |
| Status: | Active |
| Status Date: | 11/01/2016 |
| Effective Date: | 06/29/2007 |
| Expiration/Review Date: | 10/02/2018 |
| Termination Date: | Not reported |
| WDR Review - Amend: | Not reported |
| WDR Review - Revise/Renew: | Not reported |
| WDR Review - Rescind: | Not reported |
| WDR Review - No Action Required: | Not reported |
| WDR Review - Pending: | Not reported |
| WDR Review - Planned: | Not reported |
| Status Enrollee: | N |
| Individual/General: | I |
| Fee Code: | 10 - Confined animal feeding facility |
| Direction/Voice: | Passive |
| Enforcement Id(EID): | 394199 |
| Region: | Not reported |
| Order / Resolution Number: | Not reported |
| Enforcement Action Type: | Notice of Violation |
| Effective Date: | 12/12/2013 |
| Adoption/Issuance Date: | 12/12/2013 |
| Achieve Date: | Not reported |

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

Termination Date: 04/17/2014
ACL Issuance Date: Not reported
EPL Issuance Date: Not reported
Status: Historical
Title: NOV 12/12/2013 for ROSA, MANUEL JR.
Description: Not reported
Program: ANIWSTCOWS
Latest Milestone Completion Date: Not reported
Of Programs1: 1
Total Assessment Amount: 0
Initial Assessed Amount: 0
Liability \$ Amount: 0
Project \$ Amount: 0
Liability \$ Paid: 0
Project \$ Completed: 0
Total \$ Paid/Completed Amount: 0

CIWQS:

Name: VL FURTADO DAIRY
Address: 16283 18TH AVENUE
City,State,Zip: LEMOORE, CA 93245
Agency: VL Furtado Dairy
Agency Address: 3061 Club House Court, Hanford, CA 93230
Place/Project Type: Animal Feeding Facility
SIC/NAICS: 241
Region: 5F
Program: ANIWSTCOWS
Regulatory Measure Status: Active
Regulatory Measure Type: Enrollee - WDR
Order Number: R5-2013-0122
WDID: 5D165083001
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 06/29/2007
Termination Date: Not reported
Expiration/Review Date: 10/02/2018
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 4
Latitude: 36.234446
Longitude: -119.780191

Name: VL FURTADO DAIRY
Address: 16283 18TH AVENUE
City,State,Zip: LEMOORE, CA 93245
Agency: Eugene & Pauline Murphy Trust
Agency Address: 15190 Iona Avenue, Hanford, CA 93230
Place/Project Type: Animal Feeding Facility
SIC/NAICS: 241
Region: 5F
Program: ANIWSTCOWS
Regulatory Measure Status: Active
Regulatory Measure Type: Enrollee - WDR
Order Number: R5-2013-0122

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

WDID: 5D165083001
NPDES Number: Not reported
Adoption Date: Not reported
Effective Date: 06/29/2007
Termination Date: Not reported
Expiration/Review Date: 10/02/2018
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 1
Violations within 5 years: 4
Latitude: 36.234446
Longitude: -119.780191

CERS:

Name: VL FURTADO DAIRY
Address: 16283 18TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 402112
CERS ID: 10487677
CERS Description: Chemical Storage Facilities

Violations:

Site ID: 402112
Site Name: VL Furtado Dairy
Violation Date: 03-21-2014
Citation: HSC 6.95 25510 - California Health and Safety Code, Chapter 6.95, Section(s) 25510
Violation Description: Failure to update hazardous material inventory within 30 days when one of the following occurs: A 100 percent or more increase in the quantity of a previously disclosed material. Any handling of a previously undisclosed hazardous materials A change of business address, business ownership, or business name.
Violation Notes: Returned to compliance on 03/24/2014. The acid-cleaning product and detergent volumes were reported as 250 gallon containers; however, during today's inspection the containers were 300 gallons each and located south of the milk barn. Also, the detergent had a 300 gallon volume and the teat dips were two 500 gallon plastic totes. The udder wash that was onsite was only 30 gallons of material.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Site ID: 402112
Site Name: VL Furtado Dairy
Violation Date: 07-13-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Description: Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.
Violation Notes: Returned to compliance on 07/16/2018. Chemical inventory needs to include: 1,000 gal diesel, 55 gal hydraulic oil, and 55 gal motor oil. Please update chemical inventory in CERS within 30 days.
Violation Division: Kings County Environmental Health
Violation Program: HMRRP

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

Violation Source: CERS

Site ID: 402112
Site Name: VL Furtado Dairy
Violation Date: 07-13-2018
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)

Violation Description: Failure to complete and electronically submit a site map with all required content.

Violation Notes: Returned to compliance on 07/16/2018. Site map is incorrect. Please update site map within 30 days.

Violation Division: Kings County Environmental Health
Violation Program: HMRRP
Violation Source: CERS

Evaluation:

Eval General Type: Compliance Evaluation Inspection
Eval Date: 03-21-2014
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Thia facility recently submitted their information onto CERS; however, some of the information was not correct. As a result, the above noted changes must be made via CERS within 30 days. All changes must also be reflected on the site map. This facility does not have any waste onsite. All hazardous materials were noted well maintained.

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-23-2017
Violations Found: No
Eval Type: Routine done by local agency
Eval Notes: Owner had previously contacted and informed our Department of the business closure. Today's site inspection confirmed that the facility is no longer in operation. The dairy is now under new ownership of Victor Furtado (V L Furtado Dairy). Mr. Furtado was informed to contact our Department to complete CERS submittal.

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Eval General Type: Compliance Evaluation Inspection
Eval Date: 07-13-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: -Current business identification and chemical inventory information was reviewed with the owner during the inspection. -Observed hazardous materials storage area maintained. -As a reminder, ensure hazardous materials business plan is reviewed and submitted annually.

Eval Division: Kings County Environmental Health
Eval Program: HMRRP
Eval Source: CERS

Enforcement Action:
Site ID: 402112

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

Site Name: VL Furtado Dairy
Site Address: 16283 18TH AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 03-21-2014
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Site ID: 402112
Site Name: VL Furtado Dairy
Site Address: 16283 18TH AVE
Site City: LEMOORE
Site Zip: 93245
Enf Action Date: 07-13-2018
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Kings County Environmental Health
Enf Action Program: HMRRP
Enf Action Source: CERS

Coordinates:

Site ID: 402112
Facility Name: VL Furtado Dairy
Env Int Type Code: HMBP
Program ID: 10487677
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.
Latitude: 36.234620
Longitude: -119.778570

Affiliation:

Affiliation Type Desc: Environmental Contact
Entity Name: Victor Furtado
Entity Title: Not reported
Affiliation Address: 3061 Clubhouse Court
Affiliation City: Hanford
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 93230
Affiliation Phone: Not reported

Affiliation Type Desc: Operator
Entity Name: Victor Furtado
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (559) 362-6252

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

VL FURTADO DAIRY (Continued)

S111213703

Affiliation Type Desc: Legal Owner
 Entity Name: Victor Furtado
 Entity Title: Not reported
 Affiliation Address: 3061 Clubhouse Court
 Affiliation City: Hanford
 Affiliation State: CA
 Affiliation Country: United States
 Affiliation Zip: 93230
 Affiliation Phone: (559) 362-6252

Affiliation Type Desc: CUPA District
 Entity Name: Kings County Env Health
 Entity Title: Not reported
 Affiliation Address: 330 Campus Drive
 Affiliation City: Hanford
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: 93230
 Affiliation Phone: (559) 584-1411

Affiliation Type Desc: Facility Mailing Address
 Entity Name: Mailing Address
 Entity Title: Not reported
 Affiliation Address: 3061 Clubhouse Court
 Affiliation City: Hanford
 Affiliation State: CA
 Affiliation Country: Not reported
 Affiliation Zip: 93230
 Affiliation Phone: Not reported

Affiliation Type Desc: Parent Corporation
 Entity Name: VL Furtado Dairy
 Entity Title: Not reported
 Affiliation Address: Not reported
 Affiliation City: Not reported
 Affiliation State: Not reported
 Affiliation Country: Not reported
 Affiliation Zip: Not reported
 Affiliation Phone: Not reported

A2
North
1/4-1/2
0.339 mi.
1789 ft.

CENTRAL UNION SCHOOL
15783 18TH AVENUE
LEMOORE, CA 93245
Site 1 of 2 in cluster A

CA BOND EXP. PLAN S100833488
N/A

Relative:
Higher
Actual:
218 ft.

CA BOND EXP. PLAN:
 Responsible Party: BACKLOG SITE CLEANUP PLANNING REPORT
 Project Revenue Source Company: Not reported
 Project Revenue Source Addr: Not reported
 Project Revenue Source City,St,Zip: Not reported
 Project Revenue Source Desc: This site is projected for cleanup funded by responsible parties (RPs) with reimbursement to DHS for staff and related costs. However, if the RPs fail to provide funding for cleanup another source of funding will need to be established.

Site Description: In 1983, gasoline and water were discovered in a service pit near an underground storage tank (gasoline). The presence of gasoline indicated that a

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

CENTRAL UNION SCHOOL (Continued)

S100833488

leak had occurred in either the tank or connecting pipe. The gasoline tank was taken out of service immediately, removed from the ground, and disposed of properly. At the time of removal, Kings County Health Department staff noted several holes in the tank in excess of one inch in diameter.

Hazardous Waste Desc: Soils samples collected under the tank contained extremely high levels of benzene, toluene, ethylbenzene and xylene. These are all constituents of gasoline.

Threat To Public Health & Env: Depth to ground water in this area is approximately 20 feet. To date, water wells near the underground tank have not been contaminated by these constituents. If contamination is subsequently detected, DHS will evaluate and implement actions necessary to protect the public health.

Site Activity Status: In May, 1985, the Central Union School District submitted a gasoline contamination assessment report prepared by Twining Laboratories, Inc. The Department, the Central Valley Regional Water Quality Control Board and the Kings County Division of Environmental Health Services all received copies of the report for review and comment.

A3
North
1/4-1/2
0.339 mi.
1789 ft.

CENTRAL UNION HIGH SCHOOL
15783 18TH AVENUE
LEMOORE, CA 93245
Site 2 of 2 in cluster A

ENVIROSTOR **1000419184**
LUST **N/A**
Cortese
HIST CORTESE
CERS

Relative:
Higher
Actual:
218 ft.

ENVIROSTOR:

Name: CENTRAL UNION HIGH SCHOOL

Address: 15783 18TH AVENUE

City,State,Zip: LEMOORE, CA 93245

Facility ID: 16820001

Status: Refer: RWQCB

Status Date: 09/21/1995

Site Code: 100030

Site Type: Historical

Site Type Detailed: * Historical

Acres: Not reported

NPL: NO

Regulatory Agencies: RWQCB

Lead Agency: RWQCB

Program Manager: Not reported

Supervisor: Referred - Not Assigned

Division Branch: Cleanup Sacramento

Assembly: 32

Senate: 14

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED

Funding: Not reported

Latitude: 36.24583

Longitude: -119.7808

APN: NONE SPECIFIED

Past Use: NONE SPECIFIED

Potential COC: NONE SPECIFIED

Confirmed COC: NONE SPECIFIED

Potential Description: NONE SPECIFIED

Alias Name: CENTRAL SCHOOL DISTRICT

Alias Type: Alternate Name

Alias Name: CENTRAL UNION SCHOOL

Alias Type: Alternate Name

Alias Name: CAD012470688

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL UNION HIGH SCHOOL (Continued)

1000419184

Alias Type: EPA Identification Number
Alias Name: CAD982346587
Alias Type: HWTS Identification Code
Alias Name: P14042
Alias Type: PCode
Alias Name: 100030
Alias Type: Project Code (Site Code)
Alias Name: 16820001
Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: Not reported
Completed Sub Area Name: Not reported
Completed Document Type: Not reported
Completed Date: Not reported
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

LUST:

Name: CENTRAL UNION SCHOOL
Address: 15783 18TH AVE
City,State,Zip: LEMOORE, CA 93245
Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)
Case Type: LUST Cleanup Site
Geo Track: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0603100009
Global Id: T0603100009
Latitude: 36.2430442
Longitude: -119.7807752
Status: Completed - Case Closed
Status Date: 08/23/1996
Case Worker: JWH
RB Case Number: 5T16000008
Local Agency: KINGS COUNTY
File Location: Not reported
Local Case Number: Not reported
Potential Media Affect: Aquifer used for drinking water supply
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0603100009
Contact Type: Regional Board Caseworker
Contact Name: JEFFREY HANNEL
Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)
Address: 1685 E STREET
City: FRESNO
Email: jhannel@waterboards.ca.gov
Phone Number: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL UNION HIGH SCHOOL (Continued)

1000419184

Global Id: T0603100009
Contact Type: Local Agency Caseworker
Contact Name: UNK
Organization Name: KINGS COUNTY
Address: Not reported
City: r5 UNKNOWN
Email: Not reported
Phone Number: Not reported

LUST:

Global Id: T0603100009
Action Type: Other
Date: 09/23/1987
Action: Leak Reported

LUST:

Global Id: T0603100009
Status: Open - Case Begin Date
Status Date: 09/23/1987

Global Id: T0603100009
Status: Open - Remediation
Status Date: 09/23/1987

Global Id: T0603100009
Status: Completed - Case Closed
Status Date: 08/23/1996

LUST REG 5:

Name: CENTRAL UNION SCHOOL
Address: 15783 18TH AVE
City: LEMOORE
Region: 5
Status: Case Closed
Case Number: 5T16000008
Case Type: Drinking Water Aquifer affected
Substance: GASOLINE
Staff Initials: JWH
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

CORTESE:

Name: CENTRAL UNION SCHOOL
Address: 15783 18TH AVE
City,State,Zip: LEMOORE, CA 93245
Region: CORTESE
Envirostor Id: Not reported
Global ID: T0603100009
Site/Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Status Date: Not reported
Site Code: Not reported
Latitude: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CENTRAL UNION HIGH SCHOOL (Continued)

1000419184

Longitude: Not reported
Owner: Not reported
Enf Type: Not reported
Swat R: Not reported
Flag: active
Order No: Not reported
Waste Discharge System No: Not reported
Effective Date: Not reported
Region 2: Not reported
WID Id: Not reported
Solid Waste Id No: Not reported
Waste Management Uit Name: Not reported
File Name: Active Open

HIST CORTESE:

edr_fname: CENTRAL UNION SCHOOL
edr_fadd1: 15783 18TH
City,State,Zip: LEMOORE, CA 93245
Region: CORTESE
Facility County Code: 16
Reg By: LTNKA
Reg Id: 5T16000008

CERS:

Name: CENTRAL UNION SCHOOL
Address: 15783 18TH AVE
City,State,Zip: LEMOORE, CA 93245
Site ID: 251793
CERS ID: T0603100009
CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker
Entity Name: UNK - KINGS COUNTY
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: r5 UNKNOWN
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker
Entity Name: JEFFREY HANNEL - CENTRAL VALLEY RWQCB (REGION 5F)
Entity Title: Not reported
Affiliation Address: 1685 E STREET
Affiliation City: FRESNO
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

Count: 0 records.

ORPHAN SUMMARY

| <u>City</u> | <u>EDR ID</u> | <u>Site Name</u> | <u>Site Address</u> | <u>Zip</u> | <u>Database(s)</u> |
|----------------|---------------|------------------|---------------------|------------|--------------------|
| NO SITES FOUND | | | | | |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: EPA |
| Date Data Arrived at EDR: 05/06/2020 | Telephone: N/A |
| Date Made Active in Reports: 05/28/2020 | Last EDR Contact: 08/03/2020 |
| Number of Days to Update: 22 | Next Scheduled EDR Contact: 10/12/2020 |
| | Data Release Frequency: Quarterly |

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: EPA |
| Date Data Arrived at EDR: 05/06/2020 | Telephone: N/A |
| Date Made Active in Reports: 05/28/2020 | Last EDR Contact: 08/03/2020 |
| Number of Days to Update: 22 | Next Scheduled EDR Contact: 10/12/2020 |
| | Data Release Frequency: Quarterly |

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: EPA |
| Date Data Arrived at EDR: 05/06/2020 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 05/28/2020 | Last EDR Contact: 08/03/2020 |
| Number of Days to Update: 22 | Next Scheduled EDR Contact: 10/26/2020 |
| | Data Release Frequency: Quarterly |

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

| | |
|---|--|
| Date of Government Version: 03/23/2020 | Source: EPA |
| Date Data Arrived at EDR: 03/25/2020 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/25/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/25/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/25/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

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

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/25/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

| | |
|---|--|
| Date of Government Version: 05/15/2020 | Source: Department of the Navy |
| Date Data Arrived at EDR: 05/19/2020 | Telephone: 843-820-7326 |
| Date Made Active in Reports: 06/18/2020 | Last EDR Contact: 08/04/2020 |
| Number of Days to Update: 30 | Next Scheduled EDR Contact: 11/23/2020 |
| | Data Release Frequency: Varies |

US ENG CONTROLS: Engineering Controls Sites List

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

| | |
|---|---|
| Date of Government Version: 02/13/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/20/2020 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 05/15/2020 | Last EDR Contact: 05/15/2020 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 09/07/2020 |
| | Data Release Frequency: Varies |

US INST CONTROLS: Institutional Controls Sites List

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

| | |
|---|---|
| Date of Government Version: 02/13/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/20/2020 | Telephone: 703-603-0695 |
| Date Made Active in Reports: 05/15/2020 | Last EDR Contact: 05/15/2020 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 09/07/2020 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/22/2020

Date Data Arrived at EDR: 03/24/2020

Date Made Active in Reports: 06/18/2020

Number of Days to Update: 86

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/22/2020

Next Scheduled EDR Contact: 10/05/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

ENVIROSTOR: EnviroStor Database

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

Date of Government Version: 04/27/2020

Date Data Arrived at EDR: 04/28/2020

Date Made Active in Reports: 07/13/2020

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400

Last EDR Contact: 07/27/2020

Next Scheduled EDR Contact: 11/09/2020

Data Release Frequency: Quarterly

State and tribal landfill and/or solid waste disposal site lists

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 05/11/2020

Date Data Arrived at EDR: 05/12/2020

Date Made Active in Reports: 07/27/2020

Number of Days to Update: 76

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320

Last EDR Contact: 08/10/2020

Next Scheduled EDR Contact: 11/23/2020

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 2: Fuel Leak List

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

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

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

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

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

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

LUST REG 4: Underground Storage Tank Leak List

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

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

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

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

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

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

LUST REG 8: Leaking Underground Storage Tanks

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

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

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

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

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

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

LUST REG 1: Active Toxic Site Investigation

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

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

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

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

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

| | |
|---|---|
| Date of Government Version: 06/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: see region list |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Quarterly |

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 05/26/2020 | Telephone: 404-562-8677 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA, Region 5 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 312-886-7439 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

| | |
|---|--|
| Date of Government Version: 04/29/2020 | Source: EPA Region 1 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

| | |
|---|--|
| Date of Government Version: 04/08/2020 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

| | |
|---|--|
| Date of Government Version: 04/15/2020 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 303-312-6271 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

| | |
|---|---|
| Date of Government Version: 04/08/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 415-972-3372 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)

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

| | |
|---|---|
| Date of Government Version: 06/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 1: Active Toxic Site Investigations

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

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

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

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

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

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

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

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

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

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

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

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

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

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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

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

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

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLIC REG 6L: SLIC Sites

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

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

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

SLIC REG 7: SLIC List

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

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

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

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

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

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

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

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

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

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

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

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/26/2020
Number of Days to Update: 76

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 71

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

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

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/26/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 78

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 84

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/24/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/03/2020 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/08/2020 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 214-665-7591 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/08/2020 | Source: EPA Region 9 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 415-972-3368 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/23/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/01/2020 |
| | Data Release Frequency: Varies |

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/29/2020 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

| | |
|---|--|
| Date of Government Version: 04/14/2020 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 05/20/2020 | Telephone: 303-312-6137 |
| Date Made Active in Reports: 08/13/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 85 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

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

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 04/28/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 07/13/2020 | Last EDR Contact: 07/27/2020 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 11/09/2020 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

| | |
|---|--|
| Date of Government Version: 03/20/2008 | Source: EPA, Region 7 |
| Date Data Arrived at EDR: 04/22/2008 | Telephone: 913-551-7365 |
| Date Made Active in Reports: 05/19/2008 | Last EDR Contact: 04/20/2009 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 07/20/2009 |
| | Data Release Frequency: Varies |

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

| | |
|---|--|
| Date of Government Version: 07/27/2015 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 09/29/2015 | Telephone: 617-918-1102 |
| Date Made Active in Reports: 02/18/2016 | Last EDR Contact: 06/17/2020 |
| Number of Days to Update: 142 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Varies |

State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfields Sites Listing

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 03/24/2020 | Telephone: 916-323-7905 |
| Date Made Active in Reports: 06/05/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

| | |
|---|---|
| Date of Government Version: 06/01/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 06/02/2020 | Telephone: 202-566-2777 |
| Date Made Active in Reports: 06/09/2020 | Last EDR Contact: 06/02/2020 |
| Number of Days to Update: 7 | Next Scheduled EDR Contact: 09/28/2020 |
| | Data Release Frequency: Semi-Annually |

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: Varies

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

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

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

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

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

| | |
|---|---|
| Date of Government Version: 03/18/2020 | Source: Drug Enforcement Administration |
| Date Data Arrived at EDR: 03/19/2020 | Telephone: 202-307-1000 |
| Date Made Active in Reports: 06/09/2020 | Last EDR Contact: 08/19/2020 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 12/07/2020 |
| | Data Release Frequency: No Update Planned |

HIST CAL-SITES: Calsites Database

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

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

SCH: School Property Evaluation Program

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

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 04/28/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 07/13/2020 | Last EDR Contact: 07/27/2020 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 11/09/2020 |
| | Data Release Frequency: Quarterly |

CDL: Clandestine Drug Labs

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

| | |
|---|--|
| Date of Government Version: 06/30/2019 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 05/28/2020 | Telephone: 916-255-6504 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 07/09/2020 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Varies |

TOXIC PITS: Toxic Pits Cleanup Act Sites

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

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

CERS HAZ WASTE: CERS HAZ WASTE

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 83

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Quarterly

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

UST MENDOCINO: Mendocino County UST Database

A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 05/20/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 08/06/2020
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Annually

HIST UST: Hazardous Substance Storage Container Database

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

CERS TANKS: California Environmental Reporting System (CERS) Tanks

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

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 79

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

CA FID UST: Facility Inventory Database

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

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

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

Local Land Records

LIENS: Environmental Liens Listing

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

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

| | |
|---|--|
| Date of Government Version: 06/01/2020 | Source: DTSC and SWRCB |
| Date Data Arrived at EDR: 06/02/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 08/14/2020 | Last EDR Contact: 06/02/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 09/14/2020 |
| | Data Release Frequency: Semi-Annually |

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

| | |
|---|---|
| Date of Government Version: 02/27/2020 | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 03/24/2020 | Telephone: 202-366-4555 |
| Date Made Active in Reports: 06/18/2020 | Last EDR Contact: 06/23/2020 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

CHMIRS: California Hazardous Material Incident Report System

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

| | |
|---|--|
| Date of Government Version: 03/31/2020 | Source: Office of Emergency Services |
| Date Data Arrived at EDR: 04/21/2020 | Telephone: 916-845-8400 |
| Date Made Active in Reports: 07/09/2020 | Last EDR Contact: 07/21/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Semi-Annually |

LDS: Land Disposal Sites Listing (GEOTRACKER)

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

| | |
|---|---|
| Date of Government Version: 06/08/2020 | Source: State Water Quality Control Board |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Quarterly |

MCS: Military Cleanup Sites Listing (GEOTRACKER)

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

| | |
|---|---|
| Date of Government Version: 06/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

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

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

Other Ascertainable Records

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

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/25/2020 | Telephone: (415) 495-8895 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 57 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

FUDS: Formerly Used Defense Sites

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

| | |
|---|--|
| Date of Government Version: 05/13/2020 | Source: U.S. Army Corps of Engineers |
| Date Data Arrived at EDR: 05/18/2020 | Telephone: 202-528-4285 |
| Date Made Active in Reports: 08/12/2020 | Last EDR Contact: 08/13/2020 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: Varies |

DOD: Department of Defense Sites

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

| | |
|---|--|
| Date of Government Version: 12/31/2005 | Source: USGS |
| Date Data Arrived at EDR: 11/10/2006 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 07/09/2020 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Semi-Annually |

FEDLAND: Federal and Indian Lands

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

| | |
|---|--|
| Date of Government Version: 04/02/2018 | Source: U.S. Geological Survey |
| Date Data Arrived at EDR: 04/11/2018 | Telephone: 888-275-8747 |
| Date Made Active in Reports: 11/06/2019 | Last EDR Contact: 07/06/2020 |
| Number of Days to Update: 574 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: N/A |

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

| | |
|---|---|
| Date of Government Version: 01/01/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 02/03/2017 | Telephone: 615-532-8599 |
| Date Made Active in Reports: 04/07/2017 | Last EDR Contact: 08/05/2020 |
| Number of Days to Update: 63 | Next Scheduled EDR Contact: 11/23/2020 |
| | Data Release Frequency: Varies |

US FIN ASSUR: Financial Assurance Information

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/24/2020 | Telephone: 202-566-1917 |
| Date Made Active in Reports: 06/18/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 86 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

EPA WATCH LIST: EPA WATCH LIST

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

| | |
|---|---|
| Date of Government Version: 08/30/2013 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/21/2014 | Telephone: 617-520-3000 |
| Date Made Active in Reports: 06/17/2014 | Last EDR Contact: 07/31/2020 |
| Number of Days to Update: 88 | Next Scheduled EDR Contact: 11/16/2020 |
| | Data Release Frequency: Quarterly |

2020 COR ACTION: 2020 Corrective Action Program List

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

| | |
|---|---|
| Date of Government Version: 09/30/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 05/08/2018 | Telephone: 703-308-4044 |
| Date Made Active in Reports: 07/20/2018 | Last EDR Contact: 08/06/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 11/16/2020 |
| | Data Release Frequency: Varies |

TSCA: Toxic Substances Control Act

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

| | |
|---|--|
| Date of Government Version: 12/31/2016 | Source: EPA |
| Date Data Arrived at EDR: 06/21/2017 | Telephone: 202-260-5521 |
| Date Made Active in Reports: 01/05/2018 | Last EDR Contact: 06/17/2020 |
| Number of Days to Update: 198 | Next Scheduled EDR Contact: 09/28/2020 |
| | Data Release Frequency: Every 4 Years |

TRIS: Toxic Chemical Release Inventory System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 03/01/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/15/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 01/31/2020
Date Data Arrived at EDR: 05/13/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 07/15/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

| | |
|---|--|
| Date of Government Version: 04/27/2020 | Source: EPA |
| Date Data Arrived at EDR: 05/06/2020 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 06/09/2020 | Last EDR Contact: 08/03/2020 |
| Number of Days to Update: 34 | Next Scheduled EDR Contact: 11/16/2020 |
| | Data Release Frequency: Quarterly |

PADS: PCB Activity Database System

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

| | |
|---|--|
| Date of Government Version: 10/09/2019 | Source: EPA |
| Date Data Arrived at EDR: 10/11/2019 | Telephone: 202-566-0500 |
| Date Made Active in Reports: 12/20/2019 | Last EDR Contact: 07/13/2020 |
| Number of Days to Update: 70 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Annually |

ICIS: Integrated Compliance Information System

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

| | |
|---|---|
| Date of Government Version: 11/18/2016 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/23/2016 | Telephone: 202-564-2501 |
| Date Made Active in Reports: 02/10/2017 | Last EDR Contact: 06/30/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Quarterly |

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

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

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

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

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

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

MLTS: Material Licensing Tracking System

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

| | |
|---|--|
| Date of Government Version: 10/25/2019 | Source: Nuclear Regulatory Commission |
| Date Data Arrived at EDR: 10/25/2019 | Telephone: 301-415-7169 |
| Date Made Active in Reports: 01/15/2020 | Last EDR Contact: 07/20/2020 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

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

| | |
|---|--|
| Date of Government Version: 12/31/2018 | Source: Department of Energy |
| Date Data Arrived at EDR: 12/04/2019 | Telephone: 202-586-8719 |
| Date Made Active in Reports: 01/15/2020 | Last EDR Contact: 06/05/2020 |
| Number of Days to Update: 42 | Next Scheduled EDR Contact: 09/14/2020 |
| | Data Release Frequency: Varies |

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

| | |
|---|---|
| Date of Government Version: 01/12/2017 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/05/2019 | Telephone: N/A |
| Date Made Active in Reports: 11/11/2019 | Last EDR Contact: 06/01/2020 |
| Number of Days to Update: 251 | Next Scheduled EDR Contact: 09/14/2020 |
| | Data Release Frequency: Varies |

PCB TRANSFORMER: PCB Transformer Registration Database

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

| | |
|---|---|
| Date of Government Version: 09/13/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/06/2019 | Telephone: 202-566-0517 |
| Date Made Active in Reports: 02/10/2020 | Last EDR Contact: 08/06/2020 |
| Number of Days to Update: 96 | Next Scheduled EDR Contact: 11/16/2020 |
| | Data Release Frequency: Varies |

RADINFO: Radiation Information Database

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

| | |
|---|---|
| Date of Government Version: 07/01/2019 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/01/2019 | Telephone: 202-343-9775 |
| Date Made Active in Reports: 09/23/2019 | Last EDR Contact: 06/24/2020 |
| Number of Days to Update: 84 | Next Scheduled EDR Contact: 10/12/2020 |
| | Data Release Frequency: Quarterly |

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 07/27/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/22/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 07/07/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2020
Next Scheduled EDR Contact: 08/31/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

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

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

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

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

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

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 03/05/2020
Date Data Arrived at EDR: 03/06/2020
Date Made Active in Reports: 05/29/2020
Number of Days to Update: 84

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/19/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/17/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 74

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ECHO: Enforcement & Compliance History Information

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

| | |
|---|---|
| Date of Government Version: 04/04/2020 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 04/07/2020 | Telephone: 202-564-2280 |
| Date Made Active in Reports: 06/26/2020 | Last EDR Contact: 07/02/2020 |
| Number of Days to Update: 80 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Quarterly |

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

| | |
|---|---|
| Date of Government Version: 05/31/2018 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/26/2018 | Telephone: 202-564-0527 |
| Date Made Active in Reports: 10/05/2018 | Last EDR Contact: 08/19/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 12/07/2020 |
| | Data Release Frequency: Varies |

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

| | |
|---|--|
| Date of Government Version: 05/18/2020 | Source: EPA |
| Date Data Arrived at EDR: 05/19/2020 | Telephone: 800-385-6164 |
| Date Made Active in Reports: 08/03/2020 | Last EDR Contact: 08/17/2020 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: Quarterly |

CA BOND EXP. PLAN: Bond Expenditure Plan

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

| | |
|---|---|
| Date of Government Version: 01/01/1989 | Source: Department of Health Services |
| Date Data Arrived at EDR: 07/27/1994 | Telephone: 916-255-2118 |
| Date Made Active in Reports: 08/02/1994 | Last EDR Contact: 05/31/1994 |
| Number of Days to Update: 6 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

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

| | |
|---|---|
| Date of Government Version: 03/23/2020 | Source: CAL EPA/Office of Emergency Information |
| Date Data Arrived at EDR: 03/24/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 06/05/2020 | Last EDR Contact: 06/22/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Quarterly |

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

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

| | |
|---|--|
| Date of Government Version: 05/01/2019 | Source: Livermore-Pleasanton Fire Department |
| Date Data Arrived at EDR: 05/14/2019 | Telephone: 925-454-2361 |
| Date Made Active in Reports: 07/17/2019 | Last EDR Contact: 08/14/2020 |
| Number of Days to Update: 64 | Next Scheduled EDR Contact: 11/23/2020 |
| | Data Release Frequency: Varies |

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

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

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

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

Date of Government Version: 03/25/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 08/17/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 06/04/2020
Date Data Arrived at EDR: 06/05/2020
Date Made Active in Reports: 08/17/2020
Number of Days to Update: 73

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Annually

EMI: Emissions Inventory Data

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/24/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 59

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 06/16/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Varies

ENF: Enforcement Action Listing

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

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/07/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 8

Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 2: Financial Assurance Information Listing

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

| | |
|---|--|
| Date of Government Version: 05/14/2020 | Source: California Integrated Waste Management Board |
| Date Data Arrived at EDR: 05/15/2020 | Telephone: 916-341-6066 |
| Date Made Active in Reports: 07/27/2020 | Last EDR Contact: 08/04/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 11/23/2020 |
| | Data Release Frequency: Varies |

HAZNET: Facility and Manifest Data

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

| | |
|---|--|
| Date of Government Version: 12/31/2019 | Source: California Environmental Protection Agency |
| Date Data Arrived at EDR: 04/15/2020 | Telephone: 916-255-1136 |
| Date Made Active in Reports: 07/02/2020 | Last EDR Contact: 07/06/2020 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Annually |

ICE: ICE

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

| | |
|---|--|
| Date of Government Version: 05/18/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 05/19/2020 | Telephone: 877-786-9427 |
| Date Made Active in Reports: 07/31/2020 | Last EDR Contact: 08/17/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: Quarterly |

HIST CORTESE: Hazardous Waste & Substance Site List

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

| | |
|---|--|
| Date of Government Version: 04/01/2001 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 01/22/2009 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 04/08/2009 | Last EDR Contact: 01/22/2009 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: N/A |
| | Data Release Frequency: No Update Planned |

HWP: EnviroStor Permitted Facilities Listing

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

| | |
|---|--|
| Date of Government Version: 05/18/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 05/18/2020 | Telephone: 916-323-3400 |
| Date Made Active in Reports: 07/31/2020 | Last EDR Contact: 08/17/2020 |
| Number of Days to Update: 74 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: Quarterly |

HWT: Registered Hazardous Waste Transporter Database

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

| | |
|---|--|
| Date of Government Version: 04/06/2020 | Source: Department of Toxic Substances Control |
| Date Data Arrived at EDR: 04/08/2020 | Telephone: 916-440-7145 |
| Date Made Active in Reports: 06/26/2020 | Last EDR Contact: 07/07/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES: Mines Site Location Listing

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

| | |
|---|--|
| Date of Government Version: 06/08/2020 | Source: Department of Conservation |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 916-322-1080 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Quarterly |

MWMP: Medical Waste Management Program Listing

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

| | |
|---|--|
| Date of Government Version: 05/28/2020 | Source: Department of Public Health |
| Date Data Arrived at EDR: 06/02/2020 | Telephone: 916-558-1784 |
| Date Made Active in Reports: 08/14/2020 | Last EDR Contact: 06/02/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 09/14/2020 |
| | Data Release Frequency: Varies |

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

| | |
|---|---|
| Date of Government Version: 05/12/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 05/12/2020 | Telephone: 916-445-9379 |
| Date Made Active in Reports: 07/28/2020 | Last EDR Contact: 08/10/2020 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 11/23/2020 |
| | Data Release Frequency: Quarterly |

PEST LIC: Pesticide Regulation Licenses Listing

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

| | |
|---|--|
| Date of Government Version: 06/01/2020 | Source: Department of Pesticide Regulation |
| Date Data Arrived at EDR: 06/02/2020 | Telephone: 916-445-4038 |
| Date Made Active in Reports: 08/14/2020 | Last EDR Contact: 06/02/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 09/14/2020 |
| | Data Release Frequency: Quarterly |

PROC: Certified Processors Database

A listing of certified processors.

| | |
|---|--|
| Date of Government Version: 06/08/2020 | Source: Department of Conservation |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 916-323-3836 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Quarterly |

NOTIFY 65: Proposition 65 Records

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

| | |
|---|---|
| Date of Government Version: 03/12/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 03/13/2020 | Telephone: 916-445-3846 |
| Date Made Active in Reports: 05/21/2020 | Last EDR Contact: 06/10/2020 |
| Number of Days to Update: 69 | Next Scheduled EDR Contact: 09/28/2020 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: UIC Listing

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

| | |
|---|--|
| Date of Government Version: 03/09/2020 | Source: Department of Conservation |
| Date Data Arrived at EDR: 03/10/2020 | Telephone: 916-445-2408 |
| Date Made Active in Reports: 05/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 70 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Varies |

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

| | |
|---|--|
| Date of Government Version: 06/08/2020 | Source: State Water Resource Control Board |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Varies |

WASTEWATER PITS: Oil Wastewater Pits Listing

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

| | |
|---|--|
| Date of Government Version: 11/19/2019 | Source: RWQCB, Central Valley Region |
| Date Data Arrived at EDR: 01/07/2020 | Telephone: 559-445-5577 |
| Date Made Active in Reports: 03/09/2020 | Last EDR Contact: 07/09/2020 |
| Number of Days to Update: 62 | Next Scheduled EDR Contact: 10/19/2020 |
| | Data Release Frequency: Varies |

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

| | |
|---|---|
| Date of Government Version: 06/19/2007 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/20/2007 | Telephone: 916-341-5227 |
| Date Made Active in Reports: 06/29/2007 | Last EDR Contact: 08/11/2020 |
| Number of Days to Update: 9 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: No Update Planned |

WIP: Well Investigation Program Case List

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

| | |
|---|---|
| Date of Government Version: 07/03/2009 | Source: Los Angeles Water Quality Control Board |
| Date Data Arrived at EDR: 07/21/2009 | Telephone: 213-576-6726 |
| Date Made Active in Reports: 08/03/2009 | Last EDR Contact: 06/17/2020 |
| Number of Days to Update: 13 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: No Update Planned |

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

| | |
|---|---|
| Date of Government Version: 06/08/2020 | Source: State Water Resources Control Board |
| Date Data Arrived at EDR: 06/09/2020 | Telephone: 866-480-1028 |
| Date Made Active in Reports: 08/19/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Varies |

PROJECT: Project Sites (GEOTRACKER)

Projects sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

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

Date of Government Version: 03/09/2020
Date Data Arrived at EDR: 03/10/2020
Date Made Active in Reports: 05/19/2020
Number of Days to Update: 70

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

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

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

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

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/21/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 83

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

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

Date of Government Version: 06/08/2020
Date Data Arrived at EDR: 06/09/2020
Date Made Active in Reports: 08/19/2020
Number of Days to Update: 71

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 06/09/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Varies

PCS: Permit Compliance System

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

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

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 06/08/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

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

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 07/01/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/21/2020
Next Scheduled EDR Contact: 09/07/2020
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

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

Date of Government Version: 04/08/2020
Date Data Arrived at EDR: 04/09/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 08/02/2020
Next Scheduled EDR Contact: 10/18/2020
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

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

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/01/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 16

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA AMADOR: CUPA Facility List Cupa Facility List

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 06/01/2020
Number of Days to Update: 13

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing Cupa Facility Listing

Date of Government Version: 03/27/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 04/01/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/06/2020
Number of Days to Update: 77

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA DEL NORTE: CUPA Facility List Cupa Facility list

Date of Government Version: 04/16/2020
Date Data Arrived at EDR: 04/20/2020
Date Made Active in Reports: 07/08/2020
Number of Days to Update: 79

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List CUPA facility list.

Date of Government Version: 05/07/2020
Date Data Arrived at EDR: 05/07/2020
Date Made Active in Reports: 07/23/2020
Number of Days to Update: 77

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 08/13/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List

Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 01/10/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List CUPA facility list.

Date of Government Version: 05/19/2020
Date Data Arrived at EDR: 05/20/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 26

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA IMPERIAL: CUPA Facility List Cupa facility list.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 73

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing Kern County Sites and Tanks Listing.

Date of Government Version: 04/29/2020
Date Data Arrived at EDR: 05/05/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 73

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 05/11/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List Cupa facility list

Date of Government Version: 04/20/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LASSEN COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA LASSEN: CUPA Facility List Cupa facility list

Date of Government Version: 01/30/2020
Date Data Arrived at EDR: 01/31/2020
Date Made Active in Reports: 04/09/2020
Number of Days to Update: 69

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 03/26/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 81

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities

Solid Waste Facilities in Los Angeles County.

Date of Government Version: 04/13/2020
Date Data Arrived at EDR: 04/14/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 78

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 07/13/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills

Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/07/2019
Number of Days to Update: 51

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory

A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 06/25/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

| | |
|---|---|
| Date of Government Version: 04/30/2012 | Source: Los Angeles County Department of Public Works |
| Date Data Arrived at EDR: 04/17/2019 | Telephone: 626-458-6973 |
| Date Made Active in Reports: 05/29/2019 | Last EDR Contact: 08/11/2020 |
| Number of Days to Update: 42 | Next Scheduled EDR Contact: 10/26/2020 |
| | Data Release Frequency: No Update Planned |

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 06/01/2019 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 06/25/2019 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 08/22/2019 | Last EDR Contact: 06/25/2020 |
| Number of Days to Update: 58 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Varies |

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

| | |
|---|--|
| Date of Government Version: 06/01/2019 | Source: Los Angeles Fire Department |
| Date Data Arrived at EDR: 06/25/2019 | Telephone: 213-978-3800 |
| Date Made Active in Reports: 08/22/2019 | Last EDR Contact: 06/25/2020 |
| Number of Days to Update: 58 | Next Scheduled EDR Contact: 10/05/2020 |
| | Data Release Frequency: Varies |

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

| | |
|---|--|
| Date of Government Version: 03/25/2020 | Source: Community Health Services |
| Date Data Arrived at EDR: 04/14/2020 | Telephone: 323-890-7806 |
| Date Made Active in Reports: 07/01/2020 | Last EDR Contact: 07/17/2020 |
| Number of Days to Update: 78 | Next Scheduled EDR Contact: 10/26/2020 |
| | Data Release Frequency: Annually |

UST EL SEGUNDO: City of El Segundo Underground Storage Tank

Underground storage tank sites located in El Segundo city.

| | |
|---|--|
| Date of Government Version: 01/21/2017 | Source: City of El Segundo Fire Department |
| Date Data Arrived at EDR: 04/19/2017 | Telephone: 310-524-2236 |
| Date Made Active in Reports: 05/10/2017 | Last EDR Contact: 07/08/2020 |
| Number of Days to Update: 21 | Next Scheduled EDR Contact: 10/26/2020 |
| | Data Release Frequency: No Update Planned |

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

| | |
|---|--|
| Date of Government Version: 04/22/2019 | Source: City of Long Beach Fire Department |
| Date Data Arrived at EDR: 04/23/2019 | Telephone: 562-570-2563 |
| Date Made Active in Reports: 06/27/2019 | Last EDR Contact: 07/14/2020 |
| Number of Days to Update: 65 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

| | |
|---|--|
| Date of Government Version: 06/27/2019 | Source: City of Torrance Fire Department |
| Date Data Arrived at EDR: 07/30/2019 | Telephone: 310-618-2973 |
| Date Made Active in Reports: 10/02/2019 | Last EDR Contact: 07/14/2020 |
| Number of Days to Update: 64 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Semi-Annually |

MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

| | |
|---|--|
| Date of Government Version: 02/24/2020 | Source: Madera County Environmental Health |
| Date Data Arrived at EDR: 02/25/2020 | Telephone: 559-675-7823 |
| Date Made Active in Reports: 05/07/2020 | Last EDR Contact: 08/04/2020 |
| Number of Days to Update: 72 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: Varies |

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

| | |
|---|--|
| Date of Government Version: 09/26/2018 | Source: Public Works Department Waste Management |
| Date Data Arrived at EDR: 10/04/2018 | Telephone: 415-473-6647 |
| Date Made Active in Reports: 11/02/2018 | Last EDR Contact: 06/24/2020 |
| Number of Days to Update: 29 | Next Scheduled EDR Contact: 10/12/2020 |
| | Data Release Frequency: Semi-Annually |

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

| | |
|---|--|
| Date of Government Version: 07/28/2020 | Source: Merced County Environmental Health |
| Date Data Arrived at EDR: 07/30/2020 | Telephone: 209-381-1094 |
| Date Made Active in Reports: 07/31/2020 | Last EDR Contact: 07/24/2020 |
| Number of Days to Update: 1 | Next Scheduled EDR Contact: 11/30/2020 |
| | Data Release Frequency: Varies |

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

| | |
|---|--|
| Date of Government Version: 05/15/2020 | Source: Mono County Health Department |
| Date Data Arrived at EDR: 06/02/2020 | Telephone: 760-932-5580 |
| Date Made Active in Reports: 08/14/2020 | Last EDR Contact: 08/19/2020 |
| Number of Days to Update: 73 | Next Scheduled EDR Contact: 12/07/2020 |
| | Data Release Frequency: Varies |

MONTEREY COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 07/13/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 16

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 07/08/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites

Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/07/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 78

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 07/21/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 07/24/2020
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST ORANGE: List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/05/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 73

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 08/03/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/13/2020
Number of Days to Update: 71

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 03/10/2020
Date Data Arrived at EDR: 03/11/2020
Date Made Active in Reports: 05/20/2020
Number of Days to Update: 70

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/18/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/15/2020
Number of Days to Update: 76

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/24/2020
Date Data Arrived at EDR: 03/31/2020
Date Made Active in Reports: 06/17/2020
Number of Days to Update: 78

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 07/02/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 04/24/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/13/2020
Number of Days to Update: 76

Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits

This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 71

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 73

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 06/02/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 04/18/2018
Date Data Arrived at EDR: 04/24/2018
Date Made Active in Reports: 06/19/2018
Number of Days to Update: 56

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 77

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversight Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 05/04/2020
Date Data Arrived at EDR: 05/06/2020
Date Made Active in Reports: 07/17/2020
Number of Days to Update: 72

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 06/10/2020
Next Scheduled EDR Contact: 09/28/2020
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SAN LUIS OBISPO: CUPA Facility List Cupa Facility List.

Date of Government Version: 05/08/2020
Date Data Arrived at EDR: 05/08/2020
Date Made Active in Reports: 08/03/2020
Number of Days to Update: 87

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/12/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List

A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 06/03/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28

Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 05/08/2020
Date Data Arrived at EDR: 05/12/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 76

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 04/22/2020
Date Data Arrived at EDR: 04/24/2020
Date Made Active in Reports: 05/07/2020
Number of Days to Update: 13

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 07/28/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List

CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List

Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks

A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/26/2020
Next Scheduled EDR Contact: 09/13/2020
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 03/02/2020
Date Data Arrived at EDR: 03/04/2020
Date Made Active in Reports: 05/14/2020
Number of Days to Update: 71

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 06/23/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Quarterly

SONOMA COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA SONOMA: Cupa Facility List Cupa Facility list

Date of Government Version: 02/25/2020
Date Data Arrived at EDR: 02/26/2020
Date Made Active in Reports: 03/11/2020
Number of Days to Update: 14

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/30/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites

A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 04/03/2020
Date Data Arrived at EDR: 04/08/2020
Date Made Active in Reports: 06/26/2020
Number of Days to Update: 79

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 06/17/2020
Next Scheduled EDR Contact: 10/05/2020
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List Cupa facility list

Date of Government Version: 02/04/2020
Date Data Arrived at EDR: 02/05/2020
Date Made Active in Reports: 04/15/2020
Number of Days to Update: 70

Source: Stanislaus County Department of Environmental Protection
Telephone: 209-525-6751
Last EDR Contact: 07/06/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 05/26/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/27/2020
Next Scheduled EDR Contact: 09/14/2020
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List Cupa facilities

Date of Government Version: 05/18/2020
Date Data Arrived at EDR: 05/19/2020
Date Made Active in Reports: 07/31/2020
Number of Days to Update: 73

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List Cupa facility list

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 05/14/2020
Date Data Arrived at EDR: 05/15/2020
Date Made Active in Reports: 07/27/2020
Number of Days to Update: 73

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 08/06/2020
Next Scheduled EDR Contact: 11/16/2020
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 07/14/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 03/26/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/09/2020
Number of Days to Update: 77

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 07/20/2020
Next Scheduled EDR Contact: 11/02/2020
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 06/24/2020
Next Scheduled EDR Contact: 10/12/2020
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 08/04/2020
Next Scheduled EDR Contact: 11/23/2020
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MED WASTE VENTURA: Medical Waste Program List

To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

| | |
|---|---|
| Date of Government Version: 03/26/2020 | Source: Ventura County Resource Management Agency |
| Date Data Arrived at EDR: 04/23/2020 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 07/09/2020 | Last EDR Contact: 07/20/2020 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 11/02/2020 |
| | Data Release Frequency: Quarterly |

UST VENTURA: Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

| | |
|---|--|
| Date of Government Version: 01/27/2020 | Source: Environmental Health Division |
| Date Data Arrived at EDR: 03/10/2020 | Telephone: 805-654-2813 |
| Date Made Active in Reports: 05/20/2020 | Last EDR Contact: 06/09/2020 |
| Number of Days to Update: 71 | Next Scheduled EDR Contact: 09/21/2020 |
| | Data Release Frequency: Quarterly |

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report

Underground storage tank sites located in Yolo county.

| | |
|---|--|
| Date of Government Version: 03/23/2020 | Source: Yolo County Department of Health |
| Date Data Arrived at EDR: 04/01/2020 | Telephone: 530-666-8646 |
| Date Made Active in Reports: 06/17/2020 | Last EDR Contact: 06/24/2020 |
| Number of Days to Update: 77 | Next Scheduled EDR Contact: 10/12/2020 |
| | Data Release Frequency: Annually |

YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

| | |
|---|---|
| Date of Government Version: 04/27/2020 | Source: Yuba County Environmental Health Department |
| Date Data Arrived at EDR: 04/29/2020 | Telephone: 530-749-7523 |
| Date Made Active in Reports: 07/17/2020 | Last EDR Contact: 08/04/2020 |
| Number of Days to Update: 79 | Next Scheduled EDR Contact: 11/09/2020 |
| | Data Release Frequency: Varies |

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

| | |
|---|---|
| Date of Government Version: 05/12/2020 | Source: Department of Energy & Environmental Protection |
| Date Data Arrived at EDR: 05/12/2020 | Telephone: 860-424-3375 |
| Date Made Active in Reports: 07/27/2020 | Last EDR Contact: 08/10/2020 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 11/23/2020 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/19/2020
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 07/31/2020
Next Scheduled EDR Contact: 11/09/2020
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/09/2020
Next Scheduled EDR Contact: 10/26/2020
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 10/02/2019
Date Made Active in Reports: 12/10/2019
Number of Days to Update: 69

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/04/2020
Next Scheduled EDR Contact: 09/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

GILCREASE PROPERTY
NOT REPORTED
LEMOORE, CA 93245

TARGET PROPERTY COORDINATES

Latitude (North): 36.229366 - 36° 13' 45.72"
Longitude (West): 119.778235 - 119° 46' 41.65"
Universal Transverse Mercator: Zone 11
UTM X (Meters): 250295.7
UTM Y (Meters): 4012767.5
Elevation: 217 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5603218 STRATFORD, CA
Version Date: 2012

North Map: 5619120 LEMOORE, CA
Version Date: 2012

Northeast Map: 5619114 HANFORD, CA
Version Date: 2012

Southeast Map: 5603180 GUERNSEY, CA
Version Date: 2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

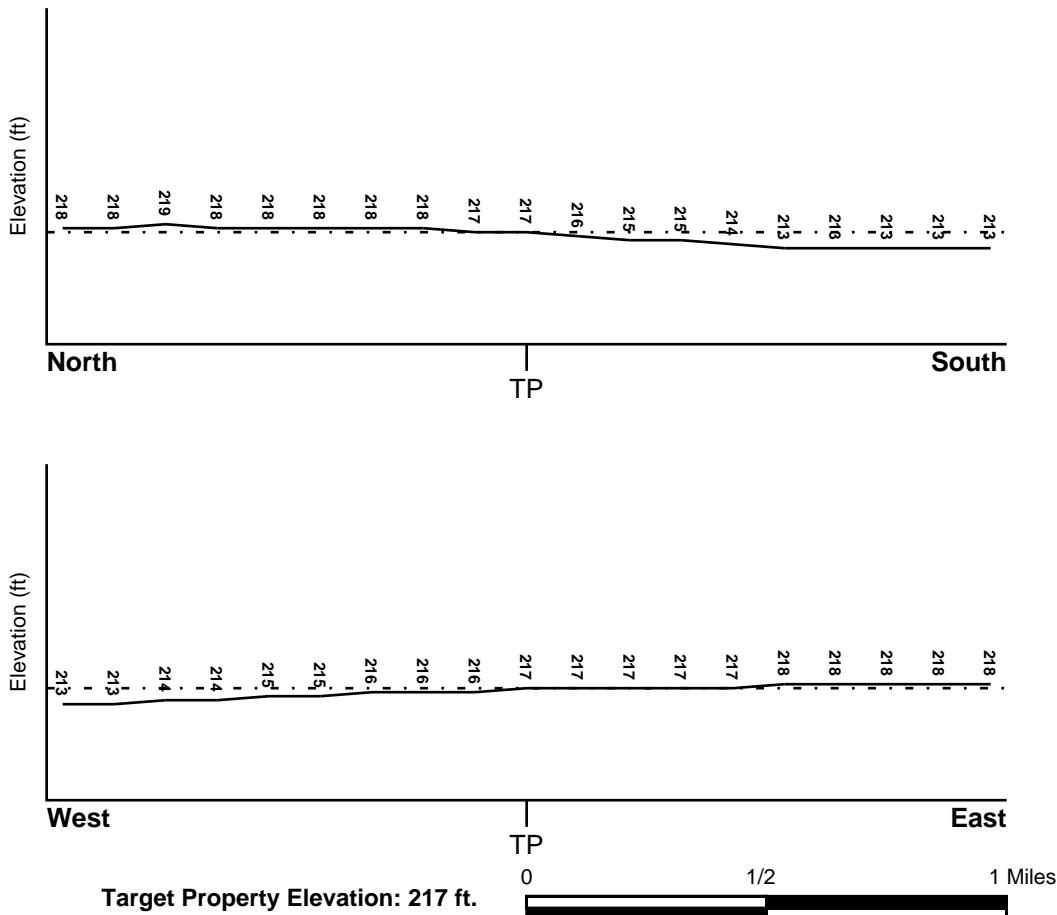
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

| | |
|---|-------------------------|
| <u>Flood Plain Panel at Target Property</u> | <u>FEMA Source Type</u> |
| 06031C0325C | FEMA FIRM Flood data |
| <u>Additional Panels in search area:</u> | <u>FEMA Source Type</u> |
| Not Reported | |

NATIONAL WETLAND INVENTORY

| | |
|------------------------------------|--|
| <u>NWI Quad at Target Property</u> | <u>NWI Electronic Data Coverage</u> |
| STRATFORD | YES - refer to the Overview Map and Detail Map |

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

| | |
|----------------|------------|
| Search Radius: | 1.25 miles |
| Status: | Not found |

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| <u>MAP ID</u> | <u>LOCATION FROM TP</u> | <u>GENERAL DIRECTION GROUNDWATER FLOW</u> |
|---------------|-------------------------|---|
| Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

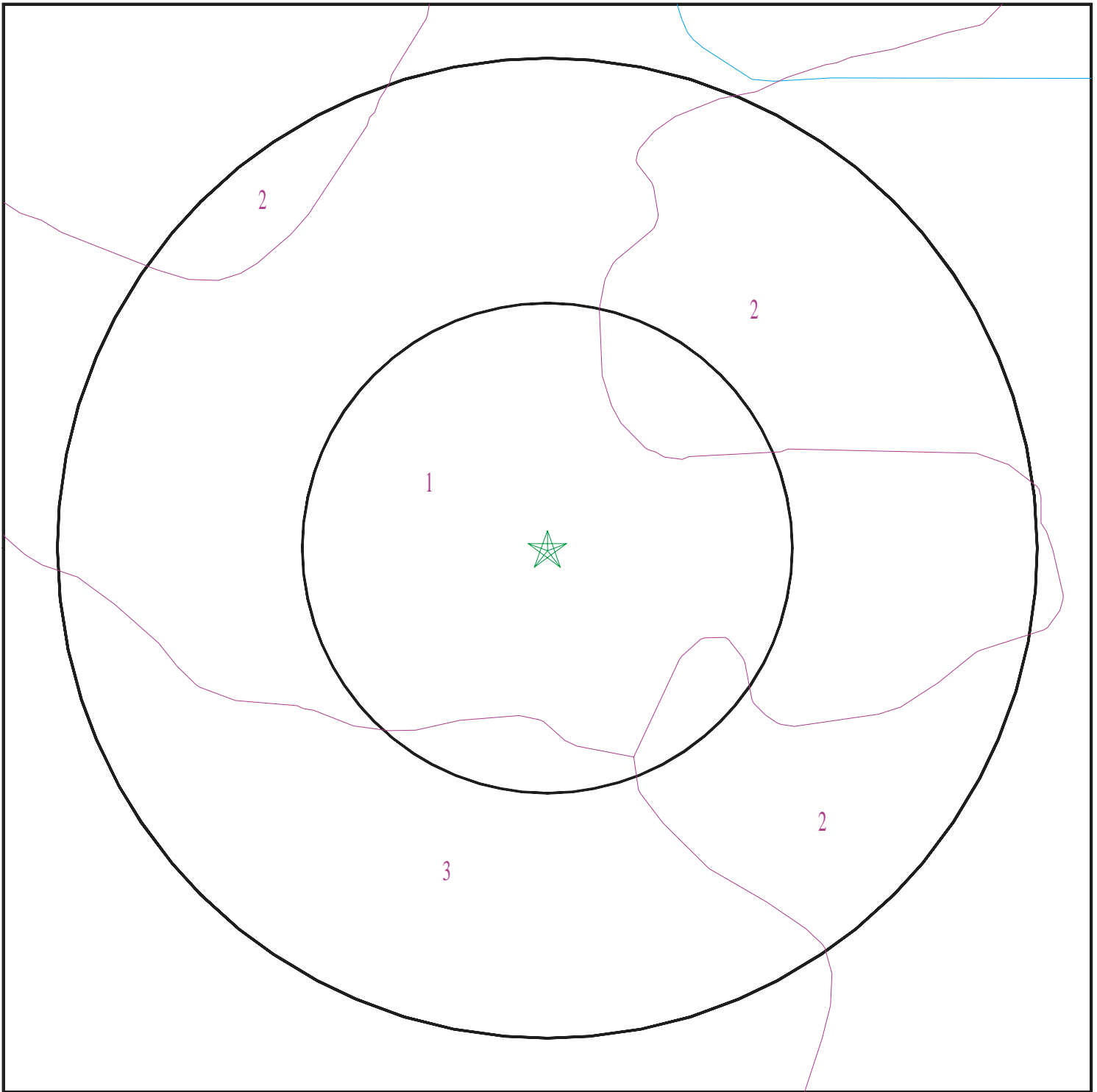
Era: Cenozoic
System: Quaternary
Series: Quaternary
Code: Q (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 6163511.2s



- ★ Target Property
- SSURGO Soil
- Water

0 1/16 1/8 1/4 Miles



SITE NAME: Gilcrease Property
ADDRESS: Not Reported
Lemoore CA 93245
LAT/LONG: 36.229366 / 119.778235

CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
CONTACT: David M Pfuhrer
INQUIRY #: 6163511.2s
DATE: August 20, 2020 1:30 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: GRANGEVILLE

Soil Surface Texture:
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 107 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|----------------|--------------|---|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 9 Min: 7.4 |
| 2 | 5 inches | 20 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 9 Min: 7.4 |
| 3 | 20 inches | 62 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 9 Min: 7.4 |

Soil Map ID: 2

Soil Component Name: LEMOORE

Soil Surface Texture:
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

| Soil Layer Information | | | | | | | |
|------------------------|----------|-----------|--------------------|----------------|--------------|--|----------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 9.6 Min: 8.4 |
| 2 | 7 inches | 59 inches | | Not reported | Not reported | Max: 14 Min: 4 | Max: 9.6 Min: 8.4 |

Soil Map ID: 3

Soil Component Name: LAKESIDE

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 153 inches

| Soil Layer Information | | | | | | | |
|------------------------|-----------|-----------|--------------------|----------------|--------------|--|--------------------|
| Layer | Boundary | | Soil Texture Class | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| | Upper | Lower | | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 16 inches | | Not reported | Not reported | Max: 4 Min: 1.4 | Max: 9 Min: 7.4 |
| 2 | 16 inches | 59 inches | | Not reported | Not reported | Max: 4 Min: 1.4 | Max: 9 Min: 7.4 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

| <u>DATABASE</u> | <u>SEARCH DISTANCE (miles)</u> |
|------------------|--------------------------------|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

FEDERAL USGS WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-------------------------|
| 1 | USGS40000171028 | 1/4 - 1/2 Mile WNW |
| 2 | USGS40000170996 | 1/4 - 1/2 Mile ESE |
| A5 | USGS40000171119 | 1/2 - 1 Mile North |
| A6 | USGS40000171120 | 1/2 - 1 Mile North |
| 8 | USGS40000170935 | 1/2 - 1 Mile ESE |
| 9 | USGS40000170874 | 1/2 - 1 Mile South |
| 10 | USGS40000170934 | 1/2 - 1 Mile ESE |
| 12 | USGS40000171116 | 1/2 - 1 Mile NW |
| B13 | USGS40000171185 | 1/2 - 1 Mile North |
| B14 | USGS40000171186 | 1/2 - 1 Mile North |
| 15 | USGS40000171080 | 1/2 - 1 Mile ENE |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

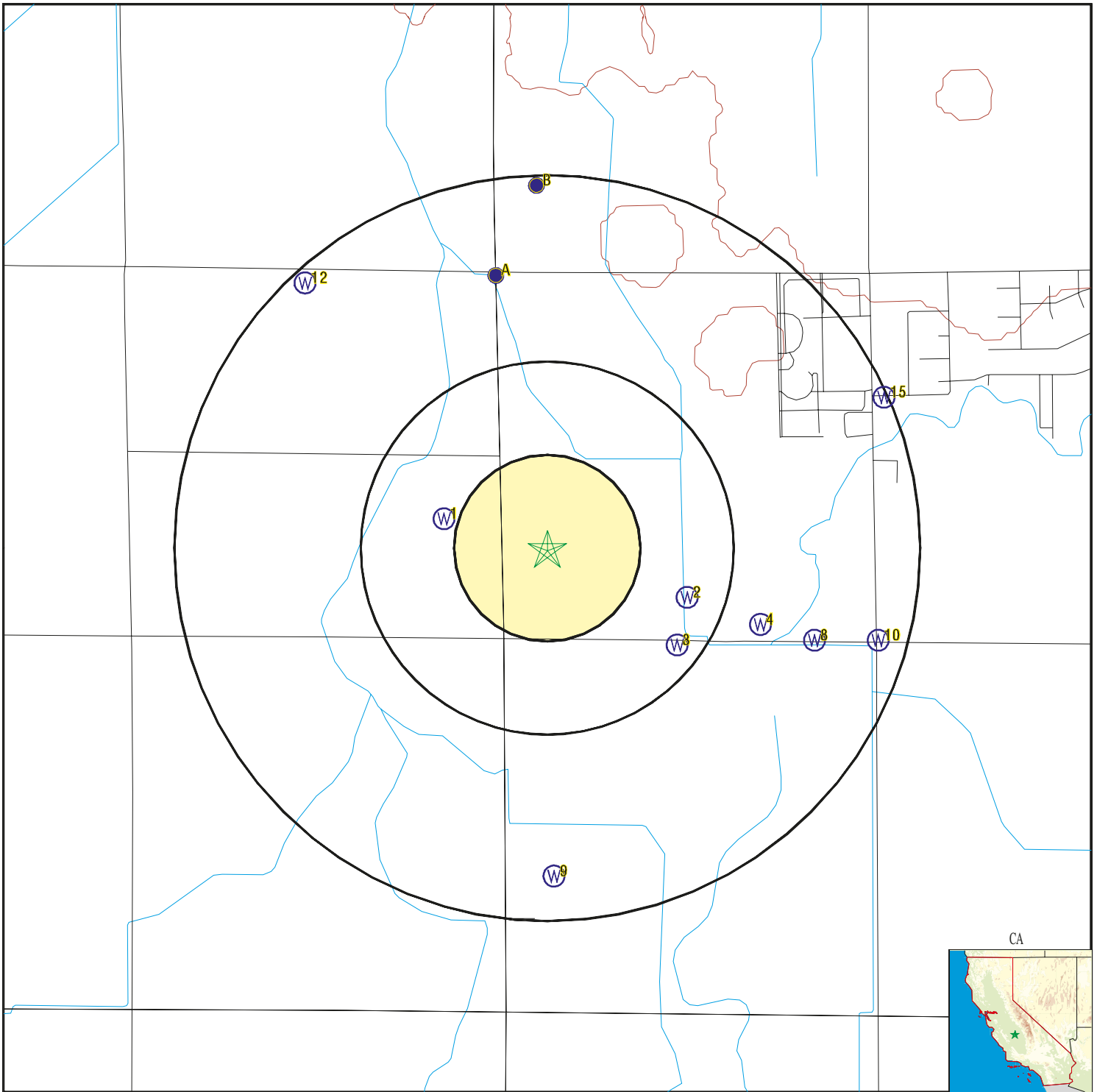
| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------------|----------------|-------------------------|
| No PWS System Found | | |

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

| <u>MAP ID</u> | <u>WELL ID</u> | <u>LOCATION FROM TP</u> |
|---------------|-----------------|-------------------------|
| 3 | CADWR8000023739 | 1/4 - 1/2 Mile SE |
| 4 | CADWR8000023772 | 1/2 - 1 Mile ESE |
| A7 | CADWR8000023902 | 1/2 - 1 Mile NNW |
| B11 | 14510 | 1/2 - 1 Mile North |

PHYSICAL SETTING SOURCE MAP - 6163511.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore CA 93245
 LAT/LONG: 36.229366 / 119.778235

CLIENT: ANALYTICAL ENVIRONMENTAL SERVICES
 CONTACT: David M Pfuhrer
 INQUIRY #: 6163511.2s
 DATE: August 20, 2020 1:30 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WNW
1/4 - 1/2 Mile
Higher

FED USGS USGS40000171028

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E34Q001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19460101 | Well Depth: | 462 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

2
ESE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000170996

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 020S020E02C001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 20 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1961-12-14 |
| Feet below surface: | 13.40 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

3
SE
1/4 - 1/2 Mile
Higher

CA WELLS CADWR8000023739

| | | | |
|---------------|---------------|------------------------|--------------|
| State Well #: | 20S20E02C001M | Station ID: | 18087 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Tulare Lake | Well Completion Rpt #: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

4
ESE
1/2 - 1 Mile
Higher

CA WELLS CADWR8000023772

| | | | |
|---------------|---------------|------------------------|--------------|
| State Well #: | 19S20E35Q001M | Station ID: | 17240 |
| Well Name: | Not Reported | Well Use: | Unknown |
| Well Type: | Unknown | Well Depth: | 0 |
| Basin Name: | Tulare Lake | Well Completion Rpt #: | Not Reported |

A5
North
1/2 - 1 Mile
Higher

FED USGS USGS40000171119

| | | | |
|------------------------------|--------------------------------------|------------------------|-------------------------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E35D001M | Type: | Well |
| Description: | TULARE BASIN DRAIN PROJECT | | |
| HUC: | 18030012 | Drainage Area: | Not Reported |
| Drainage Area Units: | Not Reported | Contrib Drainage Area: | Not Reported |
| Contrib Drainage Area Units: | Not Reported | Aquifer: | Central Valley aquifer system |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | Not Reported |
| Well Depth Units: | Not Reported | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

A6
North
1/2 - 1 Mile
Higher

FED USGS USGS40000171120

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E35D002M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 17.72 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 2 | Level reading date: | 1989-05-25 |
| Feet below surface: | 7.83 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

| | | | |
|---------------------|--------------|---------------------|--------------|
| Level reading date: | 1989-03-23 | Feet below surface: | 8.20 |
| Feet to sea level: | Not Reported | Note: | Not Reported |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A7
NNW
1/2 - 1 Mile
Higher

CA WELLS CADWR8000023902

| | | | |
|---------------|---------------|------------------------|--------------|
| State Well #: | 19S20E35D002M | Station ID: | 37877 |
| Well Name: | 19S20E35D002M | Well Use: | Unknown |
| Well Type: | Single Well | Well Depth: | 0 |
| Basin Name: | Tulare Lake | Well Completion Rpt #: | Not Reported |

8
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000170935

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S030E35Q001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19460101 | Well Depth: | 30 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1961-12-12 |
| Feet below surface: | 11.60 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

9
South
1/2 - 1 Mile
Lower

FED USGS USGS40000170874

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 020S020E02N001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19610101 | Well Depth: | 14 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1961-12-14 |
| Feet below surface: | 8.90 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

10
ESE
1/2 - 1 Mile
Higher

FED USGS USGS40000170934

| | | | |
|-----------------------------|--------------------------------------|------------------------|-------------------------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E36N001M | Type: | Well |
| Description: | TULARE BASIN DRAIN PROJECT | | |
| HUC: | 18030012 | Drainage Area: | Not Reported |
| Drainage Area Units: | Not Reported | Contrib Drainage Area: | Not Reported |
| Contrib Drainage Area Unts: | Not Reported | Aquifer: | Central Valley aquifer system |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | Not Reported | Well Depth: | 10.1 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1989-05 |
| Feet below surface: | 6.4 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

B11
North
1/2 - 1 Mile
Higher

CA WELLS 14510

| | | | |
|-------------|----------------|-------------|-----------------------|
| Seq: | 14510 | Prim sta c: | 19S/20E-26N01 M |
| Frds no: | 1600008001 | County: | 16 |
| District: | 46 | User id: | 16C |
| System no: | 1600008 | Water type: | G |
| Source nam: | WELL 01 | Station ty: | WELL/AMBNT/MUN/INTAKE |
| Latitude: | 361436.0 | Longitude: | 1194640.0 |
| Precision: | 2 | Status: | AR |
| Comment 1: | 15783 18TH AVE | Comment 2: | Not Reported |
| Comment 3: | Not Reported | Comment 4: | Not Reported |
| Comment 5: | Not Reported | Comment 6: | Not Reported |
| Comment 7: | Not Reported | | |

| | | | |
|-------------|--------------|-------------|----------------------|
| System no: | 1600008 | System nam: | Central Union School |
| Hqname: | Not Reported | Address: | Not Reported |
| City: | Not Reported | State: | Not Reported |
| Zip: | Not Reported | Zip ext: | Not Reported |
| Pop serv: | 0 | Connection: | 0 |
| Area serve: | Not Reported | | |

| | | | |
|--------------|---------------------------|---------------|-------|
| Sample date: | 10-OCT-16 | Finding: | 0.458 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |

| | | | |
|--------------|-----------|---------------|------|
| Sample date: | 10-OCT-16 | Finding: | 8.9 |
| Chemical: | ARSENIC | Report units: | UG/L |
| Dir: | 2. | | |

| | | | |
|--------------|-----------|---------------|------|
| Sample date: | 28-JUL-16 | Finding: | 9.2 |
| Chemical: | ARSENIC | Report units: | UG/L |
| Dir: | 2. | | |

| | | | |
|--------------|-----------|----------|-------|
| Sample date: | 28-JUL-16 | Finding: | 0.364 |
|--------------|-----------|----------|-------|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-----------------------------------|--|---------------------------|---------------------|
| Chemical: Dir: | RADIUM 228 COUNTING ERROR 0. | Report units: | PCI/L |
| Sample date: Chemical: Dir: | 11-JAN-16 RADIUM 228 COUNTING ERROR 0. | Finding: Report units: | 0.294 PCI/L |
| Sample date: Chemical: Dir: | 13-JUL-15 ARSENIC 2. | Finding: Report units: | 9.2 UG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 ARSENIC 2. | Finding: Report units: | 9.8 UG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 IRON 100. | Finding: Report units: | 350. UG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 MANGANESE 20. | Finding: Report units: | 24. UG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 TOTAL DISSOLVED SOLIDS 0. | Finding: Report units: | 330. MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 TURBIDITY, LABORATORY 0.1 | Finding: Report units: | 1.2 NTU |
| Sample date: Chemical: Dir: | 11-MAY-15 AGGRSSIVE INDEX (CORROSIVITY) 0. | Finding: Report units: | 12. Not Reported |
| Sample date: Chemical: Dir: | 11-MAY-15 CHLORIDE 0. | Finding: Report units: | 8.5 MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 SODIUM 0. | Finding: Report units: | 130. MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 MAGNESIUM 0. | Finding: Report units: | 0.74 MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 CALCIUM 0. | Finding: Report units: | 3.4 MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 HARDNESS (TOTAL) AS CaCO3 0. | Finding: Report units: | 12. MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 CARBONATE ALKALINITY 0. | Finding: Report units: | 12. MG/L |
| Sample date: Chemical: Dir: | 11-MAY-15 BICARBONATE ALKALINITY 0. | Finding: Report units: | 290. MG/L |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------|---|---------------|--------------|
| Sample date: | 11-MAY-15 | Finding: | 250. |
| Chemical: | ALKALINITY (TOTAL) AS CaCO ₃ | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 11-MAY-15 | Finding: | 8.6 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dir: | 0. | | |
| Sample date: | 11-MAY-15 | Finding: | 490. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dir: | 0. | | |
| Sample date: | 11-MAY-15 | Finding: | 1.5 |
| Chemical: | ODOR THRESHOLD @ 60 C | Report units: | TON |
| Dir: | 1. | | |
| Sample date: | 11-MAY-15 | Finding: | 50. |
| Chemical: | COLOR | Report units: | UNITS |
| Dir: | 0. | | |
| Sample date: | 11-MAY-15 | Finding: | 0.84 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dir: | 0.1 | | |
| Sample date: | 12-JAN-15 | Finding: | 0.528 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 12-JAN-15 | Finding: | 5. |
| Chemical: | ARSENIC | Report units: | UG/L |
| Dir: | 2. | | |
| Sample date: | 12-JAN-15 | Finding: | 540. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dir: | 0. | | |
| Sample date: | 12-JAN-15 | Finding: | 1.16 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 8.4 |
| Chemical: | PH, LABORATORY | Report units: | Not Reported |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 260. |
| Chemical: | ALKALINITY (TOTAL) AS CaCO ₃ | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 310. |
| Chemical: | BICARBONATE ALKALINITY | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 5. |
| Chemical: | CARBONATE ALKALINITY | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 11. |
| Chemical: | HARDNESS (TOTAL) AS CaCO ₃ | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 3.3 |
| Chemical: | CALCIUM | Report units: | MG/L |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------|----------------------------|---------------|-------|
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 0.73 |
| Chemical: | MAGNESIUM | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 130. |
| Chemical: | SODIUM | Report units: | MG/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 9.3 |
| Chemical: | ARSENIC | Report units: | UG/L |
| Dir: | 2. | | |
| Sample date: | 06-OCT-14 | Finding: | 150. |
| Chemical: | IRON | Report units: | UG/L |
| Dir: | 100. | | |
| Sample date: | 06-OCT-14 | Finding: | 9.38 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |
| Sample date: | 06-OCT-14 | Finding: | 0.479 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 06-OCT-14 | Finding: | 1.16 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 08-SEP-14 | Finding: | 540. |
| Chemical: | SPECIFIC CONDUCTANCE | Report units: | US |
| Dir: | 0. | | |
| Sample date: | 08-SEP-14 | Finding: | 0.341 |
| Chemical: | RADIUM 228 COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 0.412 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 2.01 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-JUL-14 | Finding: | 6.07 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |
| Sample date: | 07-APR-14 | Finding: | 0.467 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-APR-14 | Finding: | 1.16 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-APR-14 | Finding: | 8.83 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------|----------------------------|---------------|-------|
| Sample date: | 07-OCT-13 | Finding: | 0.479 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-OCT-13 | Finding: | 3.4 |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dir: | 1. | | |
| Sample date: | 07-OCT-13 | Finding: | 1.64 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 07-OCT-13 | Finding: | 8.28 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |
| Sample date: | 01-JUL-13 | Finding: | 1.8 |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dir: | 1. | | |
| Sample date: | 01-JUL-13 | Finding: | 0.412 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 01-JUL-13 | Finding: | 6.62 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |
| Sample date: | 01-JUL-13 | Finding: | 1.16 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 09-APR-13 | Finding: | 1.16 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 09-APR-13 | Finding: | 0.44 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 09-APR-13 | Finding: | 8.28 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |
| Sample date: | 09-APR-13 | Finding: | 2.9 |
| Chemical: | URANIUM (PCI/L) | Report units: | PCI/L |
| Dir: | 1. | | |
| Sample date: | 04-JAN-13 | Finding: | 9.42 |
| Chemical: | GROSS ALPHA | Report units: | PCI/L |
| Dir: | 3. | | |
| Sample date: | 04-JAN-13 | Finding: | 1.16 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 04-JAN-13 | Finding: | 0.467 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 02-OCT-12 | Finding: | 2.33 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|--------------|-------------------------------|---------------|-------|
| Dir: | 0. | | |
| Sample date: | 02-OCT-12 | Finding: | 0.602 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 10-JUL-12 | Finding: | 9.5 |
| Chemical: | ARSENIC | Report units: | UG/L |
| Dir: | 2. | | |
| Sample date: | 10-JUL-12 | Finding: | 1.09 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 10-JUL-12 | Finding: | 0.687 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 10-MAY-12 | Finding: | 2.4 |
| Chemical: | NITRATE (AS NO3) | Report units: | MG/L |
| Dir: | 2. | | |
| Sample date: | 10-MAY-12 | Finding: | 0.561 |
| Chemical: | GROSS ALPHA COUNTING ERROR | Report units: | PCI/L |
| Dir: | 0. | | |
| Sample date: | 10-MAY-12 | Finding: | 8.2 |
| Chemical: | ARSENIC | Report units: | UG/L |
| Dir: | 2. | | |
| Sample date: | 10-MAY-12 | Finding: | 0.91 |
| Chemical: | FLUORIDE (F) (NATURAL-SOURCE) | Report units: | MG/L |
| Dir: | 0.1 | | |
| Sample date: | 10-MAY-12 | Finding: | 1.09 |
| Chemical: | GROSS ALPHA MDA95 | Report units: | PCI/L |
| Dir: | 0. | | |

**12
NW
1/2 - 1 Mile
Higher**

FED USGS USGS40000171116

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E34C001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19600101 | Well Depth: | 107 |
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1961-12-12 |
| Feet below surface: | 9.50 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B13
North
1/2 - 1 Mile
Higher

FED USGS USGS40000171185

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E26N001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Alluvium Above E-Clay | Aquifer Type: | Not Reported |
| Construction Date: | 19541119 | Well Depth: | 200 |
| Well Depth Units: | ft | Well Hole Depth: | 252 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1986-04-14 |
| Feet below surface: | 43.04 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

B14
North
1/2 - 1 Mile
Higher

FED USGS USGS40000171186

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E26N003M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 196809 | Well Depth: | 835 |
| Well Depth Units: | ft | Well Hole Depth: | 1200 |
| Well Hole Depth Units: | ft | | |

| | | | |
|---|--------------|---------------------|--------------|
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1986-04-14 |
| Feet below surface: | 72.29 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

15
ENE
1/2 - 1 Mile
Higher

FED USGS USGS40000171080

| | | | |
|------------------------|--------------------------------------|-----------------------------|--------------|
| Organization ID: | USGS-CA | | |
| Organization Name: | USGS California Water Science Center | | |
| Monitor Location: | 019S020E35H001M | Type: | Well |
| Description: | Not Reported | HUC: | 18030012 |
| Drainage Area: | Not Reported | Drainage Area Units: | Not Reported |
| Contrib Drainage Area: | Not Reported | Contrib Drainage Area Unts: | Not Reported |
| Aquifer: | Central Valley aquifer system | | |
| Formation Type: | Not Reported | Aquifer Type: | Not Reported |
| Construction Date: | 19570101 | Well Depth: | 312 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|---|--------------|---------------------|--------------|
| Well Depth Units: | ft | Well Hole Depth: | Not Reported |
| Well Hole Depth Units: | Not Reported | | |
| Ground water levels,Number of Measurements: | 1 | Level reading date: | 1961-02-01 |
| Feet below surface: | 35.30 | Feet to sea level: | Not Reported |
| Note: | Not Reported | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

| Zipcode | Num Tests | > 4 pCi/L |
|---------|-----------|-----------|
| 93245 | 8 | 1 |

Federal EPA Radon Zone for KINGS County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93245

Number of sites tested: 4

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|-------------------------|------------------|--------------|--------------|--------------|
| Living Area - 1st Floor | 0.775 pCi/L | 100% | 0% | 0% |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | Not Reported | Not Reported | Not Reported | Not Reported |

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory

Source: Department of Fish and Wildlife

Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Database

Source: Department of Water Resources

Telephone: 916-651-9648

California Drinking Water Quality Database

Source: Department of Public Health

Telephone: 916-324-2319

The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations

Source: Dept of Conservation, Geologic Energy Management Division

Telephone: 916-323-1779

Oil and Gas well locations in the state.

California Earthquake Fault Lines

Source: California Division of Mines and Geology

The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon

Source: Department of Public Health

Telephone: 916-210-8558

Radon Database for California

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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APPENDIX B

EDR AERIAL PHOTO DECADE PACKAGE



Gilcrease Property

Not Reported

Lemoore, CA 93245

Inquiry Number: 6163511.8

August 20, 2020

The EDR Aerial Photo Decade Package



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

EDR Aerial Photo Decade Package

08/20/20

Site Name:

Gilcrease Property
Not Reported
Lemoore, CA 93245
EDR Inquiry # 6163511.8

Client Name:

ANALYTICAL ENVIRONMENTAL SERV
1801 7th Street
Sacramento, CA 95811
Contact: David M Pfuhler



Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|--------------|---------------------------------|---------------|
| 2016 | 1"=750' | Flight Year: 2016 | USDA/NAIP |
| 2012 | 1"=750' | Flight Year: 2012 | USDA/NAIP |
| 2009 | 1"=750' | Flight Year: 2009 | USDA/NAIP |
| 2006 | 1"=750' | Flight Year: 2006 | USDA/NAIP |
| 1994 | 1"=750' | Acquisition Date: May 02, 1994 | USGS/DOQQ |
| 1984 | 1"=750' | Flight Date: June 09, 1984 | USDA |
| 1976 | 1"=750' | Flight Date: July 01, 1976 | USGS |
| 1950 | 1"=750' | Flight Date: April 15, 1950 | USDA |
| 1940 | 1"=750' | Flight Date: May 21, 1940 | USDA |
| 1937 | 1"=750' | Flight Date: September 04, 1937 | USDA |

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.

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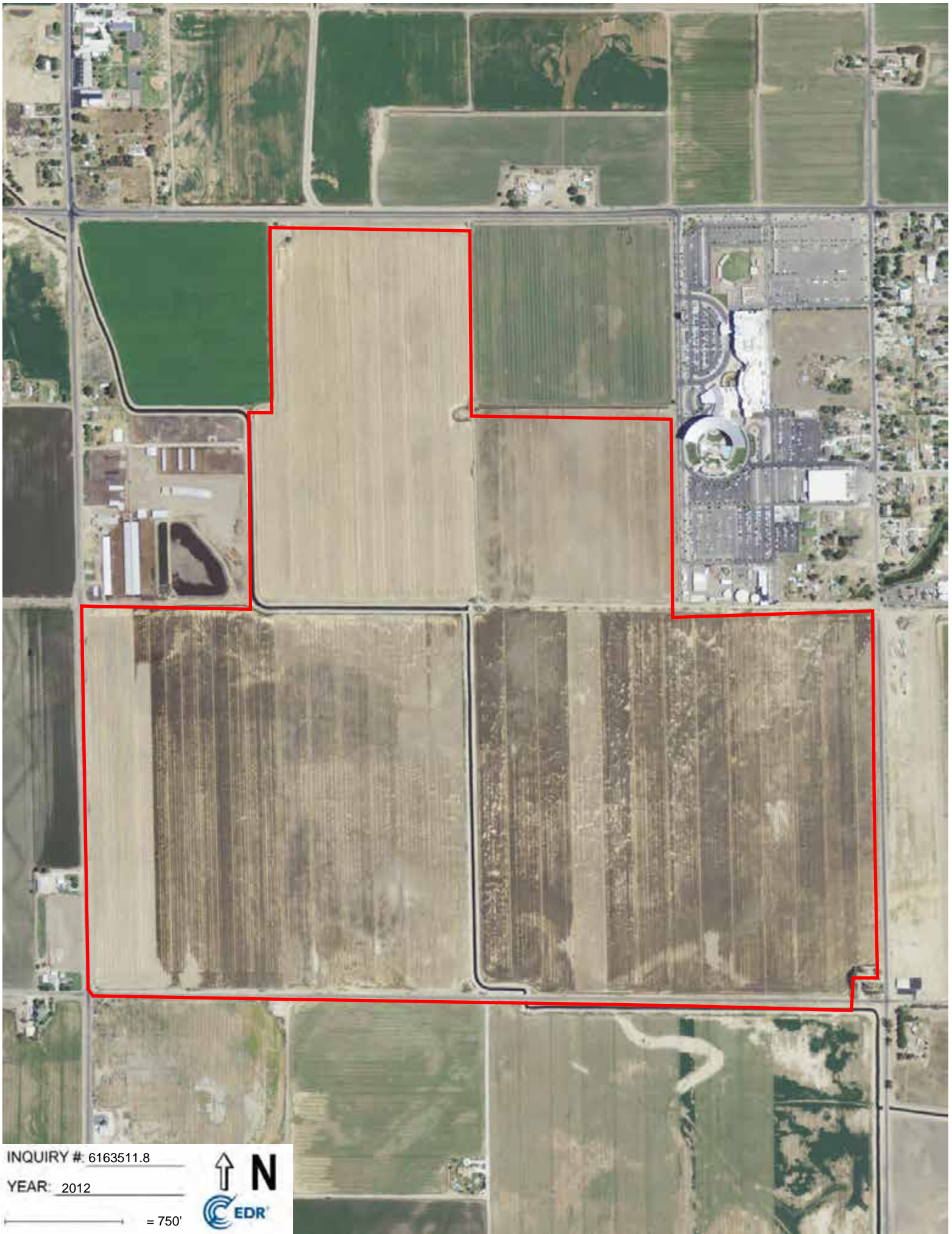


INQUIRY # 6163511.8

YEAR: 2016

— = 750'





INQUIRY # 6163511.8

YEAR: 2012

— = 750'



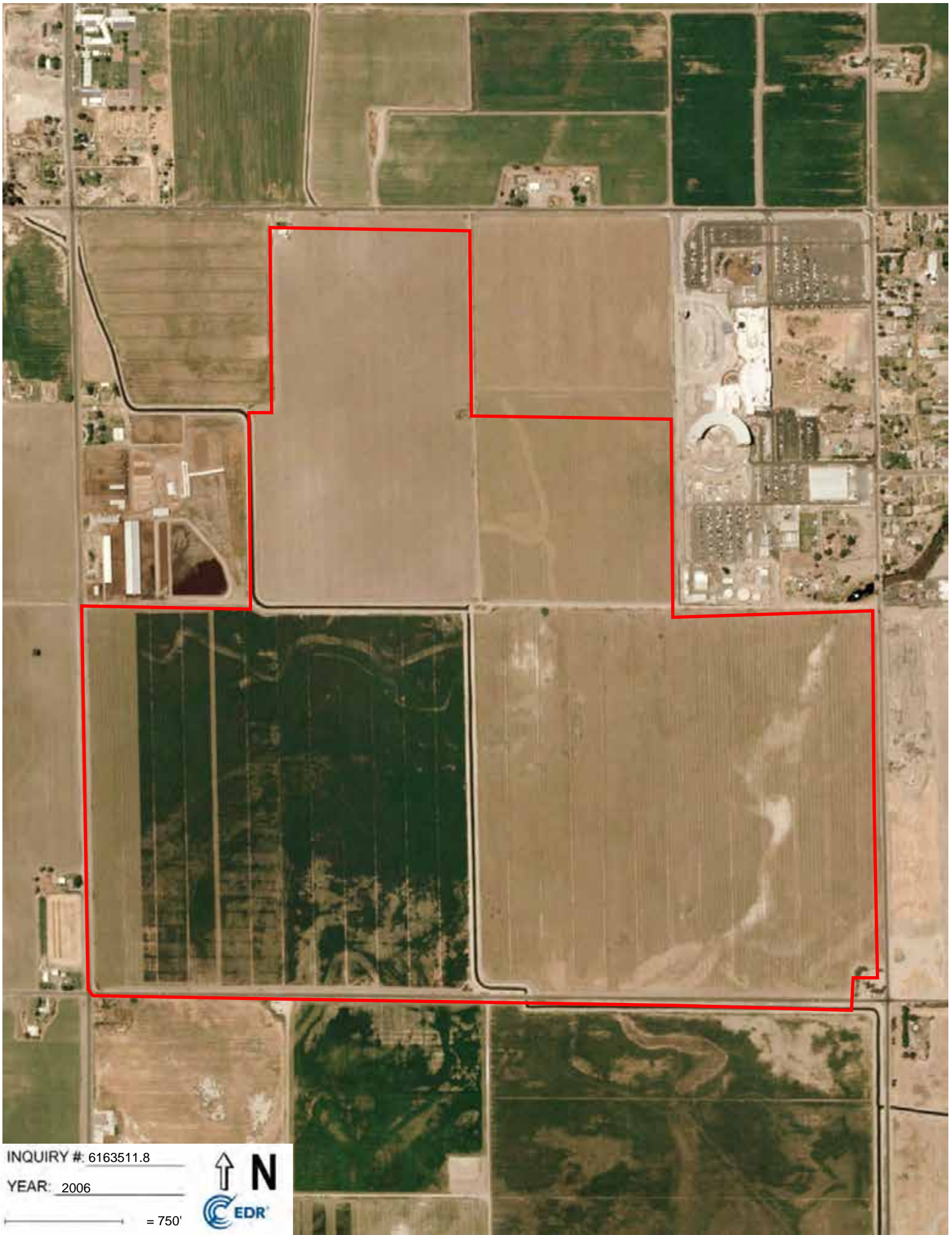


INQUIRY #: 6163511.8

YEAR: 2009

— = 750'



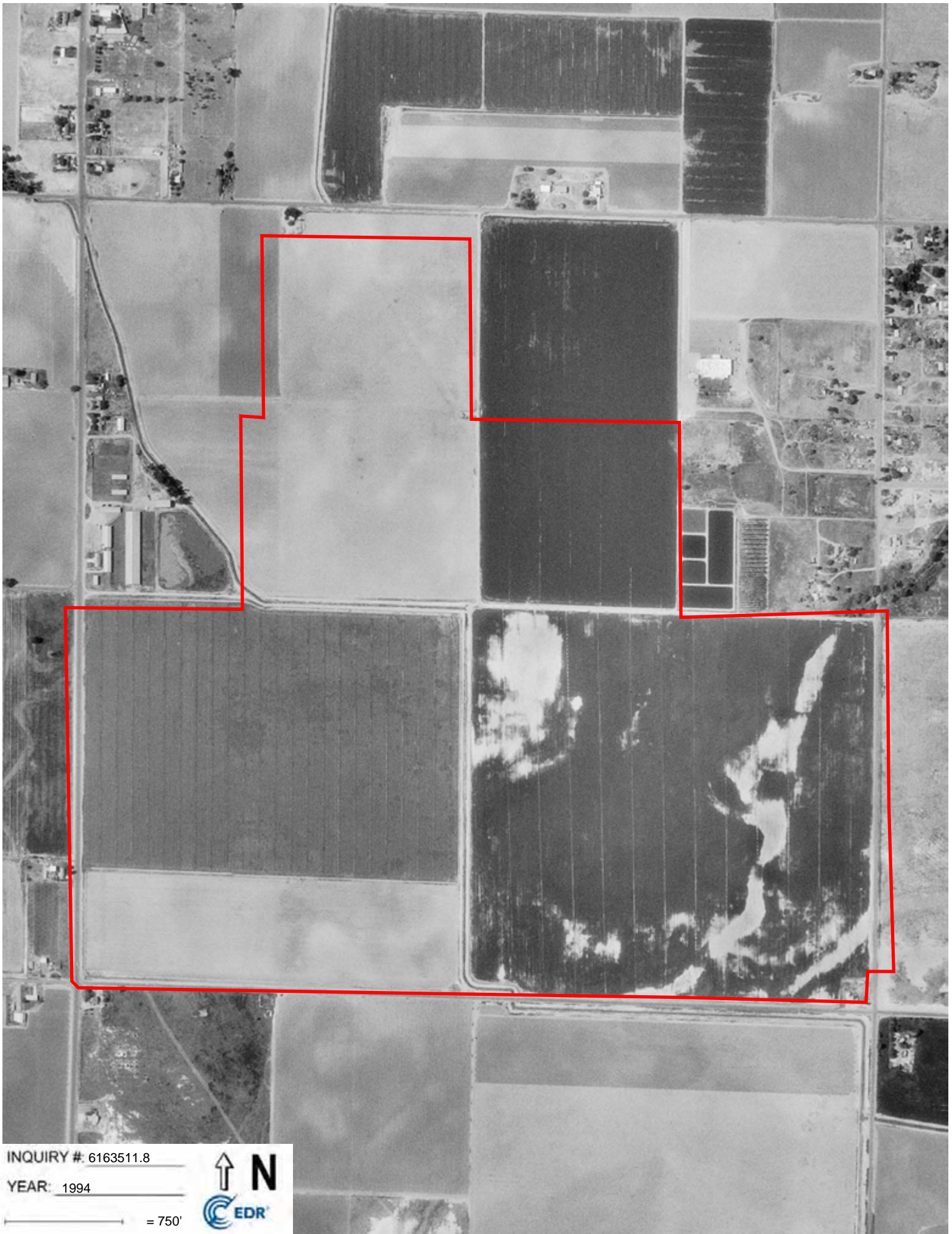


INQUIRY #: 6163511.8

YEAR: 2006

— = 750'





INQUIRY # 6163511.8

YEAR: 1994

— = 750'



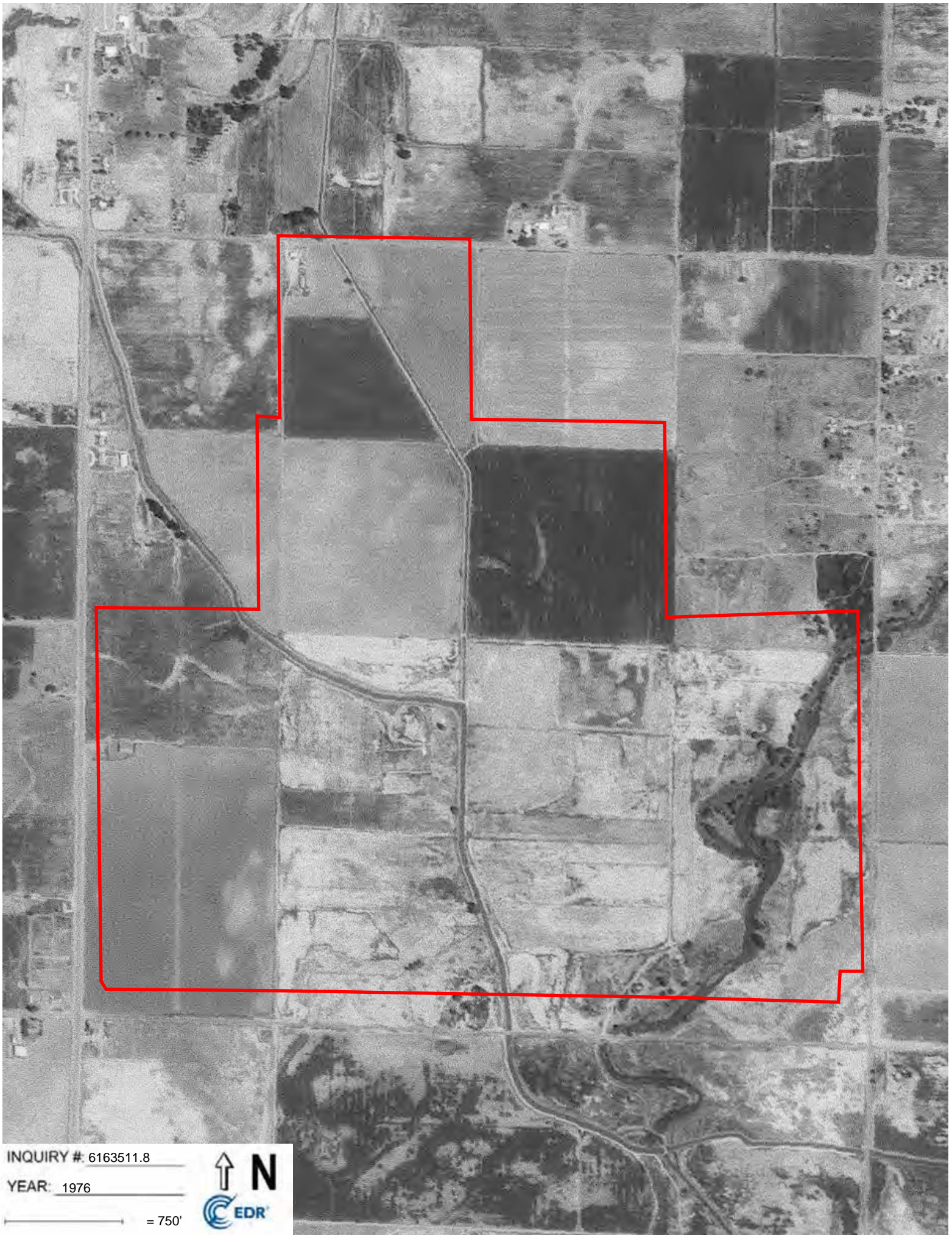


INQUIRY #: 6163511.8

YEAR: 1984

— = 750'



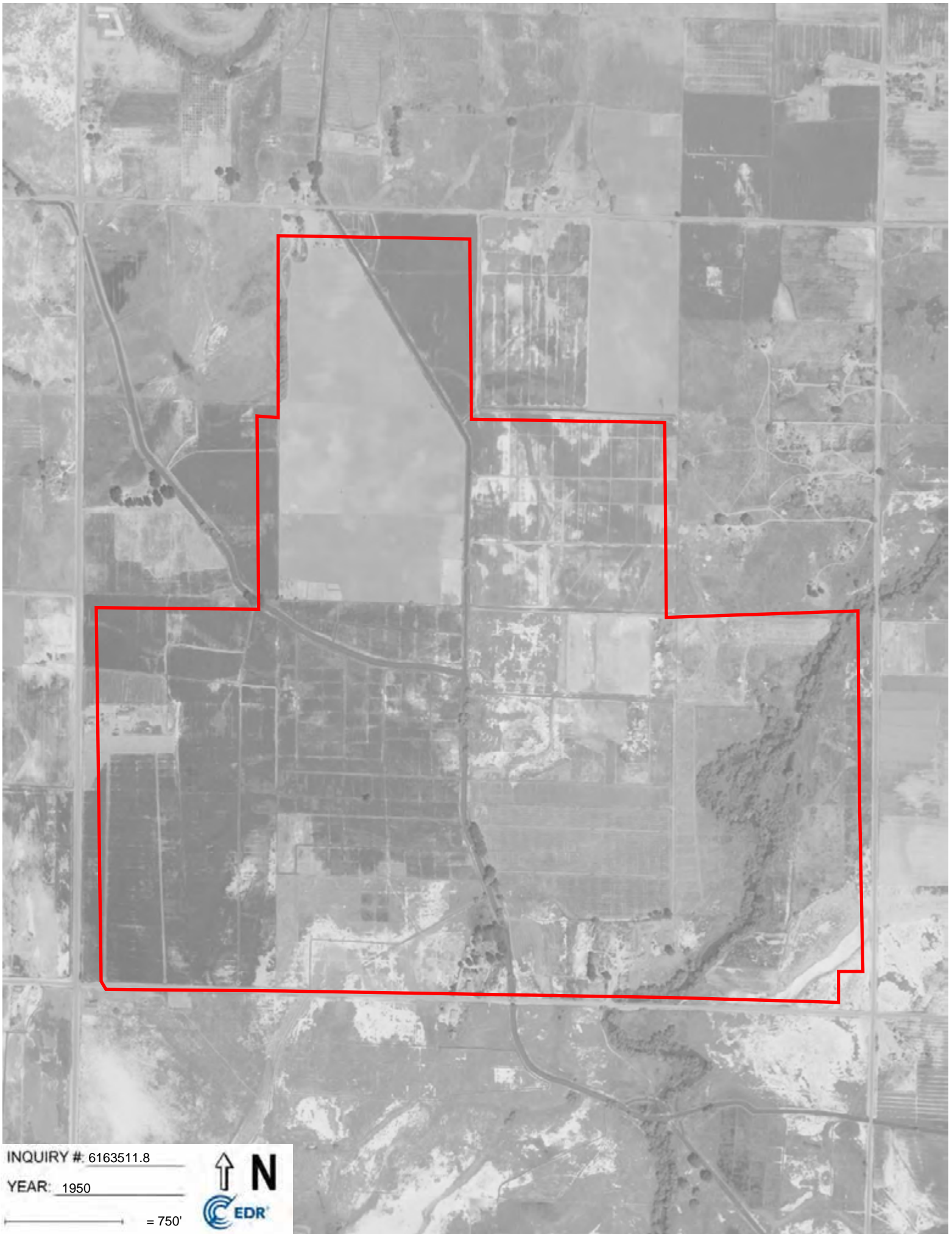


INQUIRY # 6163511.8

YEAR: 1976

— = 750'





INQUIRY #: 6163511.8

YEAR: 1950

— = 750'





INQUIRY #: 6163511.8

YEAR: 1940

— = 750'





INQUIRY #: 6163511.8

YEAR: 1937

— = 750'



APPENDIX C

EDR HISTORICAL TOPO MAP REPORT WITH QUADMATCH

Gilcrease Property

Not Reported

Lemoore, CA 93245

Inquiry Number: 6163511.4

August 20, 2020

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

08/20/20

Site Name:

Gilcrease Property
Not Reported
Lemoore, CA 93245
EDR Inquiry # 6163511.4

Client Name:

ANALYTICAL ENVIRONMENTAL SERVI
1801 7th Street
Sacramento, CA 95811
Contact: David M Pfuhler



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by ANALYTICAL ENVIRONMENTAL SERVICES were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

| | | | |
|-----------------|--------------------|----------------------|--------------------------------|
| P.O.# | NA | Latitude: | 36.229366 36° 13' 46" North |
| Project: | Gilcrease Property | Longitude: | -119.778235 -119° 46' 42" West |
| | | UTM Zone: | Zone 11 North |
| | | UTM X Meters: | 250301.62 |
| | | UTM Y Meters: | 4012968.56 |
| | | Elevation: | 217.00' above sea level |

Maps Provided:

2012
1954
1950
1943
1940, 1942
1926, 1927, 1929

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Topo Sheet Key

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

2012 Source Sheets



Stratford
2012
7.5-minute, 24000



Guernsey
2012
7.5-minute, 24000



Lemoore
2012
7.5-minute, 24000



Hanford
2012
7.5-minute, 24000

1954 Source Sheets



Guernsey
1954
7.5-minute, 24000



Stratford
1954
7.5-minute, 24000
Aerial Photo Revised 1950



Lemoore
1954
7.5-minute, 24000
Aerial Photo Revised 1950



Hanford
1954
7.5-minute, 24000
Aerial Photo Revised 1950

1950 Source Sheets



Stratford
1950
7.5-minute, 24000

1943 Source Sheets



Stratford
1943
15-minute, 62500
Aerial Photo Revised 1940

Topo Sheet Key

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

1940, 1942 Source Sheets



Stratford
1940
15-minute, 62500
Aerial Photo Revised 1940



Corcoran
1942
15-minute, 62500
Aerial Photo Revised 1940

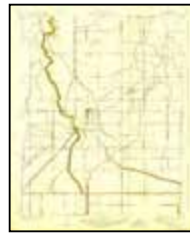
1926, 1927, 1929 Source Sheets



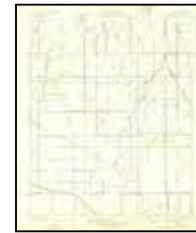
Hanford
1926
7.5-minute, 31680



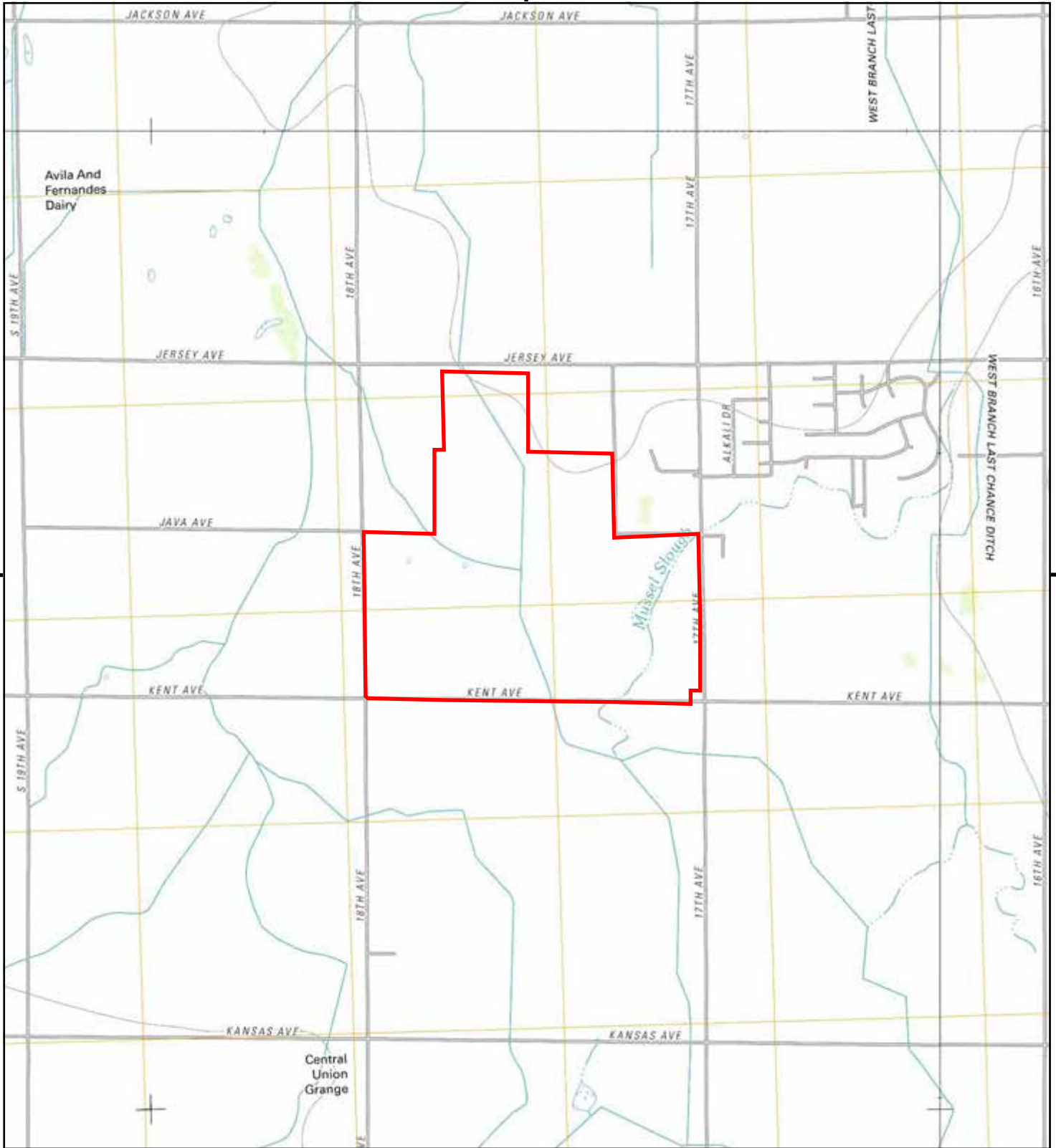
Lemoore
1927
7.5-minute, 31680



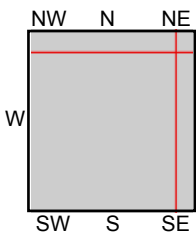
Stratford
1929
7.5-minute, 31680



Guernsey
1929
7.5-minute, 31680



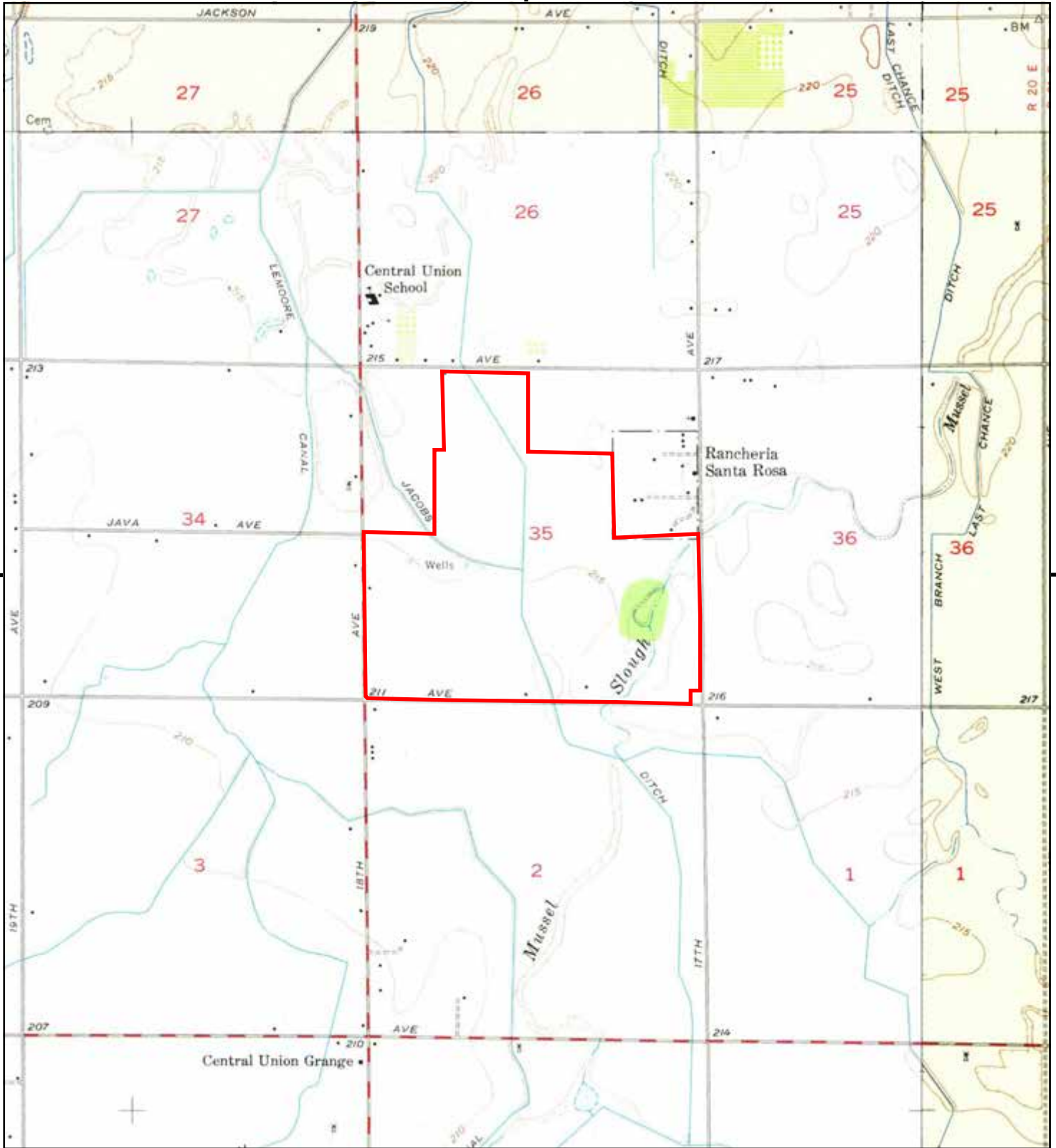
This report includes information from the following map sheet(s).



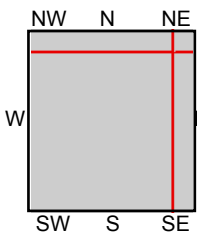
TP, Stratford, 2012, 7.5-minute
 N, Lemoore, 2012, 7.5-minute
 NE, Hanford, 2012, 7.5-minute
 SE, Guernsey, 2012, 7.5-minute

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore, CA 93245
 CLIENT: ANALYTICAL ENVIRONMENTAL SERVI





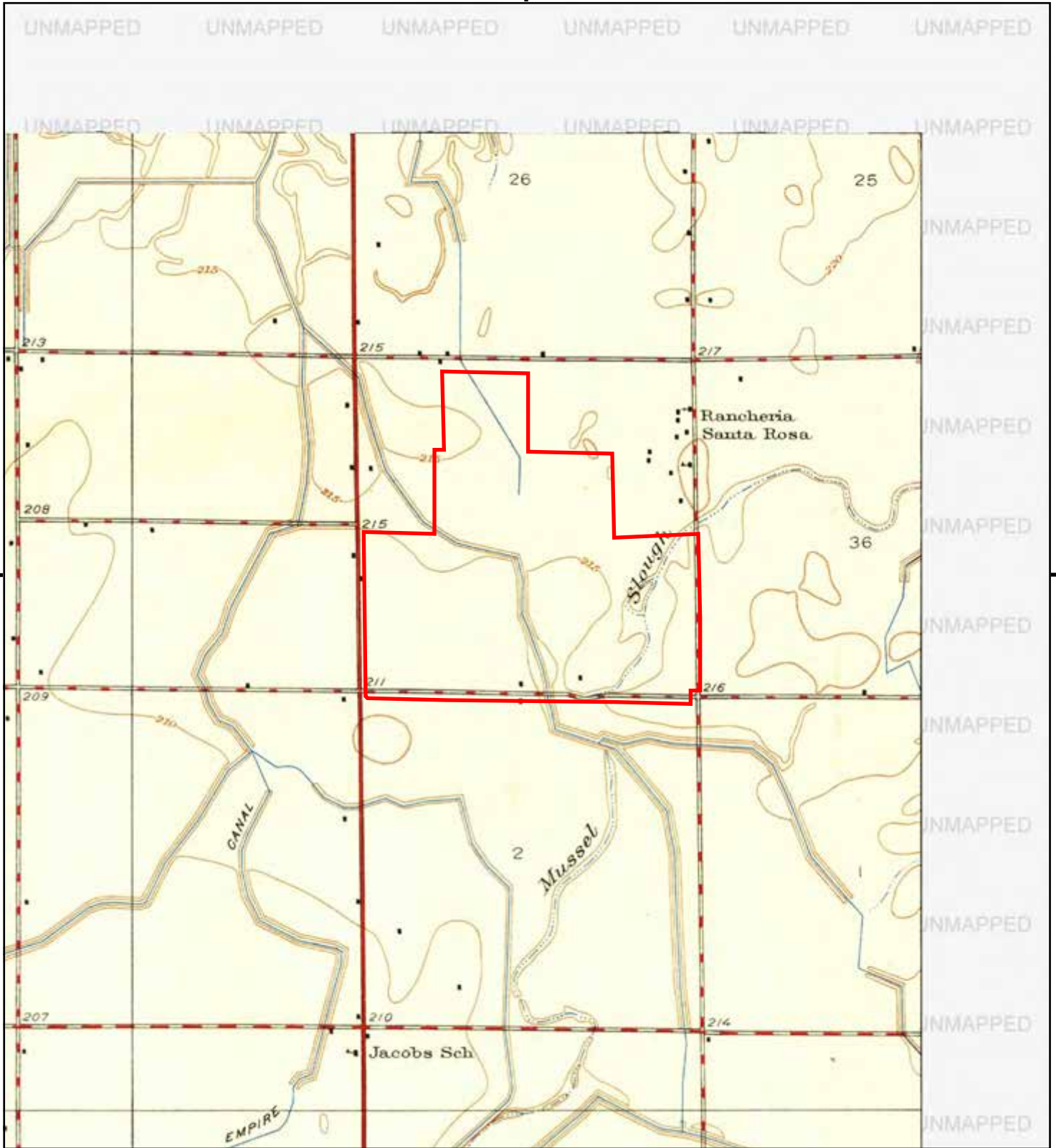
This report includes information from the following map sheet(s).



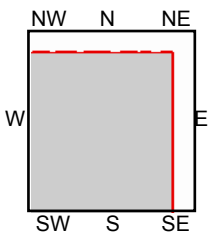
TP, Stratford, 1954, 7.5-minute
 N, Lemoore, 1954, 7.5-minute
 NE, Hanford, 1954, 7.5-minute
 SE, Guernsey, 1954, 7.5-minute

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore, CA 93245
 CLIENT: ANALYTICAL ENVIRONMENTAL SERVI





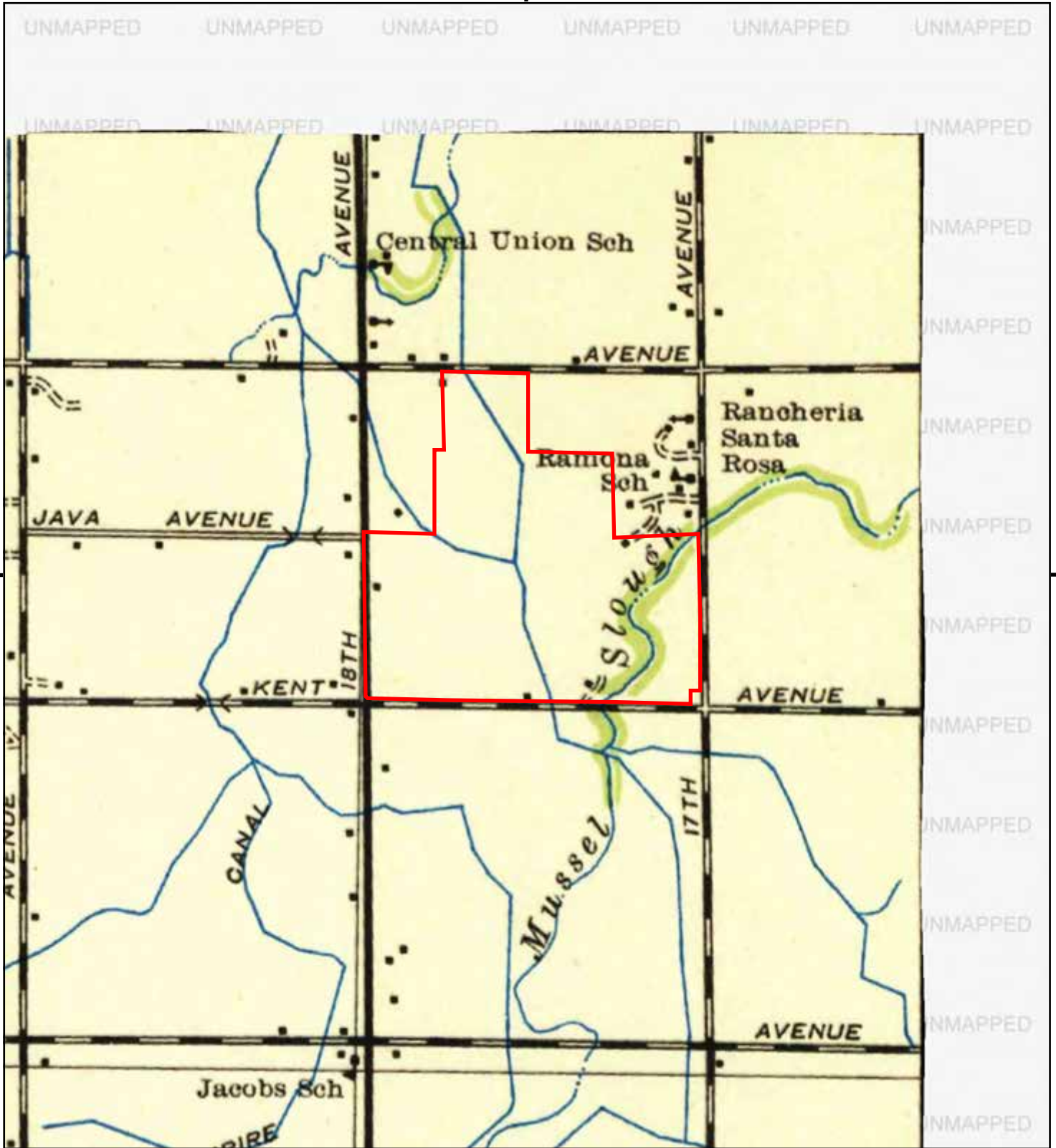
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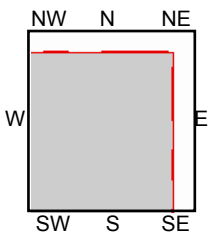
TP, Stratford, 1950, 7.5-minute

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore, CA 93245
 CLIENT: ANALYTICAL ENVIRONMENTAL SERVI





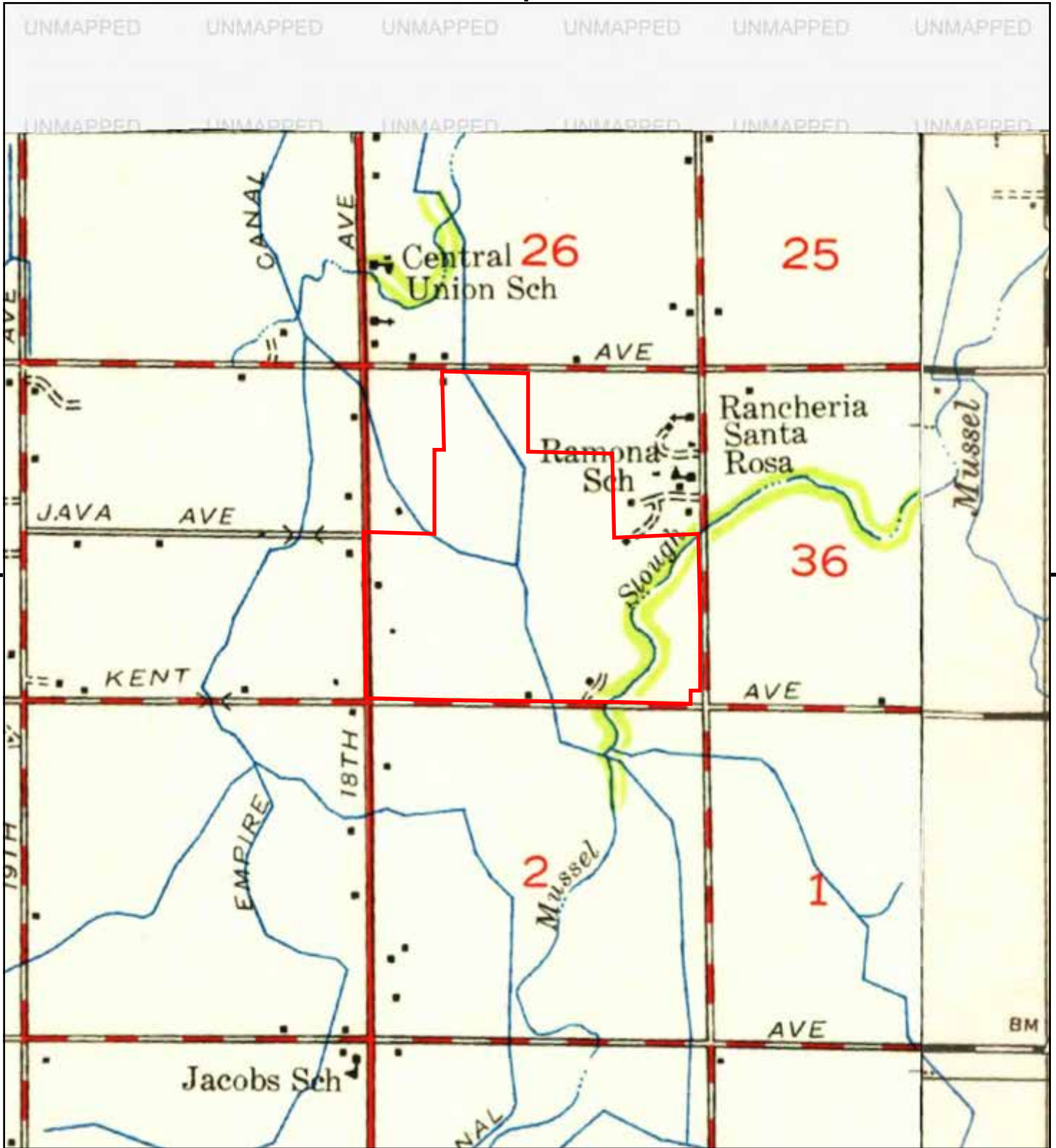
This report includes information from the following map sheet(s).



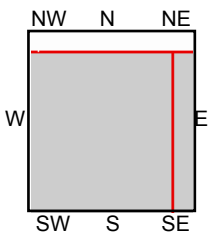
TP, Stratford, 1943, 15-minute

SITE NAME: Gilcrease Property
 ADDRESS: Not Reported
 Lemoore, CA 93245
 CLIENT: ANALYTICAL ENVIRONMENTAL SERVI





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



TP, Stratford, 1940, 15-minute
SE, Corcoran, 1942, 15-minute

SITE NAME: Gilcrease Property
ADDRESS: Not Reported
Lemoore, CA 93245
CLIENT: ANALYTICAL ENVIRONMENTAL SERVI



APPENDIX D

CERTIFIED SANBORN MAP REPORT



Gilcrease Property

Not Reported

Lemoore, CA 93245

Inquiry Number: 6163511.3

August 20, 2020

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

08/20/20

Site Name:

Gilcrease Property
Not Reported
Lemoore, CA 93245
EDR Inquiry # 6163511.3

Client Name:

ANALYTICAL ENVIRONMENTAL SERVICES
1801 7th Street
Sacramento, CA 95811
Contact: David M Pfuhler



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

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

Certified Sanborn Results:

Certification # C301-4FC5-A52E

PO # NA

Project Gilcrease Property

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: C301-4FC5-A52E

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

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

The Sanborn Library LLC Since 1866™

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APPENDIX E

EDR-CITY DIRECTORY ABSTRACT

Gilcrease Property

Not Reported
Lemoore, CA 93245

Inquiry Number: 6163511.5
August 24, 2020

The EDR-City Directory Image Report

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| <u>Year</u> | <u>Target Street</u> | <u>Cross Street</u> | <u>Source</u> |
|-------------|--------------------------|-------------------------------------|------------------------------|
| 2017 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 2014 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 2010 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 2005 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 2000 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 1995 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 1992 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | EDR Digital Archive |
| 1985 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Haines Criss-Cross Directory |
| 1980 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Haines Criss-Cross Directory |
| 1975 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Haines Criss-Cross Directory |

FINDINGS

TARGET PROPERTY STREET

Not Reported
Lemoore, CA 93245

No Addresses Found

FINDINGS

CROSS STREETS

| <u>Year</u> | <u>CD Image</u> | <u>Source</u> |
|------------------------|-----------------|------------------------------|
| <u>18TH AVE</u> | | |
| 2017 | pg. A2 | EDR Digital Archive |
| 2014 | pg. A5 | EDR Digital Archive |
| 2010 | pg. A9 | EDR Digital Archive |
| 2005 | pg. A13 | EDR Digital Archive |
| 2000 | pg. A17 | EDR Digital Archive |
| 1995 | pg. A20 | EDR Digital Archive |
| 1992 | pg. A22 | EDR Digital Archive |
| 1985 | pg. A24 | Haines Criss-Cross Directory |
| 1985 | pg. A25 | Haines Criss-Cross Directory |
| 1980 | pg. A27 | Haines Criss-Cross Directory |
| 1980 | pg. A28 | Haines Criss-Cross Directory |
| 1975 | pg. A30 | Haines Criss-Cross Directory |
| 1975 | pg. A31 | Haines Criss-Cross Directory |

KENT AVE

| | | |
|------|---------|------------------------------|
| 2017 | pg. A4 | EDR Digital Archive |
| 2014 | pg. A8 | EDR Digital Archive |
| 2010 | pg. A12 | EDR Digital Archive |
| 2005 | pg. A16 | EDR Digital Archive |
| 2000 | pg. A19 | EDR Digital Archive |
| 1995 | pg. A21 | EDR Digital Archive |
| 1992 | pg. A23 | EDR Digital Archive |
| 1985 | pg. A26 | Haines Criss-Cross Directory |
| 1980 | pg. A29 | Haines Criss-Cross Directory |
| 1975 | pg. A32 | Haines Criss-Cross Directory |

City Directory Images

18TH AVE 2017

7120 GIBSON, NICHOLAS R
7182 HEWETT, ROGER A
7380 ELICK, WILEY M
7414 FIALHO, ROY M
7575 COSTA, CONSTANTINE D
7705 COSTA, CARRIE B
7794 TAVARES, JOHN O
7919 QUINTEL, GARY M
7999 DELBUFALO, MARY
8148 RODRIGUES PUMP COMPANY
RODRIGUES, RANDALL A
8302 RODRIGUEZ, CARA R
8330 RODRIGUES, NELSON J
8519 FETTERLY, ALAN C
8634 MCWAY, MICHAEL C
9134 MITCHELL, RONALD T
9158 NORTON, NICHOLAS G
9160 NORTON, RICHARD E
9188 GARZA, NICKLAUS I
9240 MERAS, ROBERTO S
9257 NUNES, EDWARD H
9437 WALKER, RICHARD M
9891 SISSON, ROGER D
9897 RUIZ, PAT
9907 DERUITER, EARL D
13105 ORNDOFF, GEORGE L
13179 PHILLIPS, RALPH G
13261 ARNOLD, EVAN
13305 ORMSBY, SARAH A
13365 ANDERSON, CASSANDRA
13379 KATHLEEN, SILVA
13475 AGUDO, LEONARD O
13541 BECK, GWENDA G
13565 MONCLOVA, EDWIN J
13648 LOPEZ, RAUL
13655 SMITH, WILLIAM A
13679 HERNANDEZ, JOSE R
13733 FALL, JR
13750 ORSABA, LOUIE J
13831 HAMNER, ASHLEY
13840 ORSABA, JOHN B
13963 CHAVARRIA, ROBERT
14066 BENSON, CARL G
CASEY, JOHN M
14147 WOOD BROS INC
14156 WARDEN, MERIDA E
14176 GOMES, TIMOTHY L
14230 BLOYD, JOHN R
14324 MARTIN, SALLY A
14500 WATER, ANNY

18TH AVE**2017****(Cont'd)**

14739 HUBANKS, BRANT D
14831 MCCONNAUGHEY, RANDALL A
14868 PHOENIX SUNRISE
15054 WRIGHT, MARY F
15086 HENSON, LEROY
15178 SALTOS, JOSE
15246 WEAVER, NED F
15250 KROEBER, ROGER P
15266 ALLEN, LISA A
15375 MAY, DANNY E
15441 LOPEZ, MANUEL H
15457 MORALES, RAMIRO
15547 AREIAS, JOSEPH
15585 SANGERMAN, CIRILO G
15783 CENTRAL UNION SCHOOL DISTRICT
15884 ORNELLAS, GUS F
15899 FORD, KENNETH
15900 OLIVERA, MORAG
15930 DIAS, MANUEL G
15960 SILVA, DENNIS W
16210 ANDREWS, ROBERT C
16250 MONTI, JAMES M
MONTIC
16255 HAINES, TAYLOR J
16260 DORSTEN, CHRIS
16455 TAFOLLA, ADRIANA
16838 SHAW, JEFF L
SHAWS AIR CONDITIONING & HEATING
17432 POLINO, SANDRA
17755 GUZMAN, JACKIE
17948 GUERRERO, ELOISA
MENDEZ, ANTONIO
MENDIVIL, FILIBERTO
SANTILLAN, VINCENT R
VALLADARES, ROSEMARY
ZEPEDA, VALENTIN A

KENT AVE 2017

17523 RODRIGUES, DANIEL E
18030 BLAHA, DONALD S
18057 MUNOZ, JUAN C
18258 PERRYMAN, SUSAN M
18262 NEWTON, VIRGIE A
18322 NEWTON, RANDY E
18348 PHILLIPS, RANDALL J
18433 YOUNG, JR
18479 PONCE, ENRIQUE V
18500 PHILLIPS, SANDRA L
19101 BLAIR AIR & GROUND
19774 SALGADO, JOSE

18TH AVE 2014

634 ALCALA, GUSTAVO V
1205 GONSALVES, JOHN D
7120 GIBSON, NICHOLAS R
7140 OCCUPANT UNKNOWN,
7150 OCCUPANT UNKNOWN,
7182 HEWETT, ROGER A
7380 ELICK, WILEY M
7414 FIALHO, ROY M
7575 COSTA, CONSTANTINE D
7705 COSTA, CARRIE B
7780 OCCUPANT UNKNOWN,
7794 OCCUPANT UNKNOWN,
7917 DACOSTA, SALOME C
7919 QUINTEL, GARY M
7951 GALVAN, JOSE V
7999 RICCO, PATRICIA
8148 DIRECTIONAL DRILLING OF CALIFORNIA
RODRIGUES PUMP COMPANY
RODRIGUES RANDY A
RODRIGUES, RANDALL A
8302 RODRIGUEZ, CARA R
8330 RODRIGUES, NELSON J
8519 FETTERLY, ALAN C
8634 OCCUPANT UNKNOWN,
8882 OCCUPANT UNKNOWN,
9080 CANO, JOHN W
9134 OCCUPANT UNKNOWN,
9158 OCCUPANT UNKNOWN,
9160 NORTON, RICHARD E
9188 GARZA, NICKLAUS I
9240 BOKKIN, THOMAS E
MERAS, ROBERTO S
9257 NUNES, EDWARD H
9341 OCCUPANT UNKNOWN,
9437 WALKER, RICHARD M
9817 SISSON, RODNEY J
9891 SISSON, ROGER D
9897 RUIZ, PAT
9907 DERUITER, EARL D
12823 BILLINGSLEY, DAV
13071 SMITH, L B
13105 GEARGE, ORNDOFF
13179 KIRAMIDZIAN, ARMEN
13261 LOPES, RICHARD A
13305 ORMSBY, SARAH A
13365 PLUEARD, M R
13379 SILVA, STANLEY A
13381 BOHLKEN, KURT H
13475 AGUDO, LEONARD O
13524 OCCUPANT UNKNOWN,

18TH AVE

2014

(Cont'd)

13541 BECK, TYLER B
13565 MONCLOVA, EDWIN J
13639 BARRAGAN, LENA M
13648 LOPEZ, RAUL
13655 SMITH, WILLIAM A
13679 HERNANDEZ, JOSE R
13696 FRENCH, ORIN L
13710 OCCUPANT UNKNOWN,
13733 FALL, JR
13750 ORSABA, LOUIE J
13802 OCCUPANT UNKNOWN,
13831 HAMNER, GARY R
13840 ORSABA, JOHN B
13926 GINTHER, DENNIS
13963 CHAVARRIA, ROBERT
14066 BENSON, CARL G
CASEY, JOHN M
14147 BADASCI & WOOD TRANSPORT
WOOD BROS INC
14156 GARCIA, LAURA D
14176 MCKINNEY, HELEN
14230 BLOYD, JOHN R
14324 MARTIN, SALLY J
14500 OCCUPANT UNKNOWN,
14544 DOROTHY, CEZAR
14550 OCCUPANT UNKNOWN,
14739 HUBANKS, BRANT D
14770 EMGE, KATHY L
14831 ORNELLAS, EUGENE A
14868 PHOENIX SUNRISE
14915 JON, TREADWELL
15054 OCCUPANT UNKNOWN,
15086 HENSON, LEROY
15178 ROSE, CARL E
15195 SPABERG, GARY D
15226 OCCUPANT UNKNOWN,
15246 WORTH, JAENNE
15250 KROEBER, ROGER P
15258 GREEN, M
15266 FERRELL, ALICE E
15281 LOPEZ, JOSE P
15364 OCCUPANT UNKNOWN,
15375 GREEN, JOSEPHINE N
15378 OCCUPANT UNKNOWN,
15441 LOPEZ, MANUEL H
15457 OCCUPANT UNKNOWN,
15475 OCCUPANT UNKNOWN,
15547 AREIAS, JOHN L
15585 AYALA, DAYLE
15621 AMBRIZ, DALLAS V

18TH AVE

2014

(Cont'd)

15772 OLIVEIRA, EDWARD P
15783 CENTRAL UNION SCHOOL DISTRICT
15884 ORNELLAS, GUS F
15899 FORD, KENNETH
15900 MACIEL, MARTHA
15930 DIAS, MANUEL G
15960 SILVA, DENNIS W
16210 OCCUPANT UNKNOWN,
16250 MONTI, JAMES M
16255 COLLINS, AMANDA
16260 DORSTEN, CHRIS
16283 OCCUPANT UNKNOWN,
16455 JOSE, PALOMERA
16467 OCCUPANT UNKNOWN,
16838 SHAW, JEFF L
SHAWS AIR CONDITIONING & HEATING
17432 OCCUPANT UNKNOWN,
17755 GUZMAN, JACKIE
17948 ZEPEDA, VALENTIN A

KENT AVE 2014

17523 RODRIGUES, DANIEL E
18030 BLAHA, DONALD S
18057 MUNOZ, JUAN C
18258 PERRYMAN, SUSAN M
18262 NEWTON, RANDY E
18348 PHILLIPS, RANDALL J
18433 YOUNG, JR
18479 PONCE, ENRIQUE V
18500 PHILLIPS, PENNY
19101 BLAIR AIR & GROUND
19171 OCCUPANT UNKNOWN,
19774 OCCUPANT UNKNOWN,

18TH AVE 2010

634 ALCALA, GUSTAVO V
789 LEMOORE SENIOR CITIZEN CTR
1108 FELLEKE, D
1205 GONSALVES, JOHN D
7120 GIBSON, ROBERT R
7140 GREENO, SUZANNE W
7150 OCCUPANT UNKNOWN,
7182 HEWETT, ROGER A
7380 ELICK, WILEY M
7414 FIALHO, ROY M
7575 COSTA, CONSTANTINE D
7705 LOZA, SAUL
7780 GALVEZ, VICTOR R
7794 OCCUPANT UNKNOWN,
7917 DACOSTA, SALOME C
7919 QUINTEL, GARY M
7951 GARCIA, MARISOL
7999 DELBUFALO, MARY
8148 DIRECTIONAL DRILLING OF CA
RODRIGUES PUMP CO
RODRIGUES, RANDALL A
8330 RODRIGUES, NELSON J
8519 FETTERLY, ALAN C
8634 OCCUPANT UNKNOWN,
8882 MCCLAIN, CHYRSTAL
9080 CANO, JOHN A
9134 OCCUPANT UNKNOWN,
9158 OCCUPANT UNKNOWN,
9160 NORTON, RICHARD E
9188 GARZA, I
9240 BOKKIN, THOMAS E
MERAS, ROBERTO S
9257 NUNES, EDWARD H
9341 OCCUPANT UNKNOWN,
9437 WALKER, RICHARD M
9660 LEMOORE CEMETERY DISTRICT
9817 SISSON, RODNEY J
9891 SISSON, ROGER D
9907 DERUITER, EARL D
12823 BILLINGSLEY, LILLIAN L
13071 KNOBLOCK, ROGER B
13105 ORNDOFF, GEORGE
13179 PHILLIPS, RALPH G
13261 LOPES, TONY R
13305 ORMSBY, KAREN I
13365 PLUEARD, ROBIN M
13379 SILVA, SID A
13381 JACOBS, BRAD R
13429 GARCIA, DELFINA
13475 AGUDO, LEONARD O

18TH AVE

2010

(Cont'd)

13524 WHIPPLE, LARRY D
13541 KRAFT, HEATH K
13565 MONCLOVA, EDWIN J
13639 OCCUPANT UNKNOWN,
13648 LOPEZ, RAUL
13655 SMITH, WILLIAM A
13679 MORRELL, NANCE J
13693 CHAVARRIA, ROBERT
13696 FRENCH, ORIN L
13710 OCCUPANT UNKNOWN,
13733 FALL, ALICE M
13750 ORSABA, LOUIS J
13802 OCCUPANT UNKNOWN,
13831 HAMNER, GARY R
13840 ORSABA, JOHN B
13926 SKAGGS, GEORGE
13963 OCCUPANT UNKNOWN,
14066 BENSON, CARL G
14156 GARCIA, MANUEL H
14176 MILLS, DANIEL L
14230 BLOYD, JOHN R
14324 MARTIN, JIMMY E
14500 HENSON, LEROY
14544 MENDOZA, CRISTINA A
14550 AZEVEDO, LINDA P
14739 HUBANKS, BRANT D
14770 EMGE, KATHY L
14831 MCCONNAUGHEY, JASON A
14865 BREWER, EVELYN A
14868 PHOENIX SUNRISE GOLF COURSE
14915 OCCUPANT UNKNOWN,
15054 OCCUPANT UNKNOWN,
15086 ARZOLA, OFELIA
15178 FLORES, JERRY M
15195 SPABERG, HAAKAN D
15226 KROEBER, LAMARTINE J
15246 WORTH TRY N BOER GOATS
WORTH, JACK R
15250 KROEBER, ROGER P
15258 GREEN, M
15266 FERRELL, HOMER R
15281 ARRANTS, JEFF E
15360 CARREIRO FARMS
15364 YOUNG, PAUL
15375 ASMUS, BRENDA
15378 DUNN, ROBERT
15441 KNUTSON, JAMES M
15457 OCCUPANT UNKNOWN,
15475 LUCKY BOYS EXPRESS
OCCUPANT UNKNOWN,

18TH AVE**2010****(Cont'd)**

15547 MEJIA, JOEL
15585 RANDALL, ALLEN L
15621 AMBRIZ, RUDY
15772 OLIVEIRA, EDWARD P
15783 CENTRAL UNION SCHOOL DISTRICT
CENTRAL UNION SUPERINTENDENT
STRATFORD GRAMMER SCHOOL
15884 ORNELLAS, GUS F
15899 FORD, KENNETH
15900 PEICHOTO, MARTHA M
15930 DIAS, MANUEL G
15960 OLIVIERA, JOE P
16197 OCCUPANT UNKNOWN,
16210 ALEXANDER, DAVID B
16250 MONTI, JAMES M
16255 SANTOS, MANUEL R
16283 SANTOS, MANUEL R
16455 SILVA, CINDY
16467 VEGA, GUADALUPE
16838 SHAW, JEFF L
SHAWS AIR CONDITIONING & HTG
17432 CALDERON, RENE
17755 GUZMAN, JACKIE
17948 MENDIVIL, FILIBERTO
ZEPEDA, MICAELA E

KENT AVE 2010

17523 OCCUPANT UNKNOWN,
18030 BLAHA, DONALD S
18057 MUNOZ, JUAN C
18262 NEWTON, VIRGIE A
18322 OCCUPANT UNKNOWN,
18348 PHILLIPS, RANDALL J
18433 YOUNG, MAMIE Y
18479 PONCE, ENRIQUE V
18500 OCCUPANT UNKNOWN,
19101 BLAIR AIR & GROUND
19171 JOHNSON, HAROLD E
19774 OCCUPANT UNKNOWN,

18TH AVE 2005

634 ALCALA, GUSTAVO V
1108 FELLEKE, D
7120 GIBSON, ROBERT R
7140 GREENO, SUZANNE H
7150 NELSON, MAJEL
7182 HEWETT, ROGER A
7380 ELICK, WILEY M
7575 COSTA, CONSTANTINE D
7705 OCCUPANT UNKNOWN,
7780 GALVEZ, VICTOR R
7794 OCCUPANT UNKNOWN,
7919 QUINTEL, STEPHEN A
7951 TOSTE, LINDA M
7999 DEL, B
8148 RODRIGUES PUMP CO
RODRIGUES, RANDALL A
8302 OCCUPANT UNKNOWN,
8330 RODRIGUES, NELSON J
8519 FETTERLY, ALAN
8634 RODRIGUES, NELSON J
8882 PARKER, ROBERT J
9080 CANO, TRUDY A
9134 OCCUPANT UNKNOWN,
9160 NORTON, RICHARD
9188 GARZA, I
9240 KINDER, A
RATLIFF, TIMOTHY
WILSON, RENE
9257 NUNES, EDWARD H
9451 OCCUPANT UNKNOWN,
9817 SISSON, RODNEY J
9891 BRUNER, RONALD
9907 DERUITER, EARL D
12823 BILLINGSLEY, DAVID C
13071 KNOBLOCK, ROGER B
13105 MCCARTHA, STEVE W
13179 PHILLIPS, RALPH G
13261 LOPES, TONY R
13305 ORMSBY, KAREN I
13365 CONTENTE, JOSEPH F
13379 SILVA, STANLEY A
13381 EDUCATION CONSULTING SERVICE
VILLA, GRANVILLE D
13429 GARCIA, DELFINA
13475 AGUDO, LEONARD
13524 WHIPPLE, LARRY D
13541 LUKER, CLINTON J
13565 MONCLOVA, EDWIN J
13639 BARRIOS, MARK J
13648 GIL, MAURILIO

18TH AVE

2005

(Cont'd)

13655 DISCOVERY TOYS
SMITH, WILLIAM A
13679 MORRELL, GEORGE W
13696 OCCUPANT UNKNOWN,
13710 BAZE, LARRY G
13733 FALL, DELBERT W
13750 ORSABA, LOUIS J
13802 GOMEZ, FRANK H
13831 HAMNER, GARY R
13840 ORSABA, JOHN B
13926 GUZMAN, JESUS A
14066 BENSON, CARL G
BOILES, RONALD J
14156 GARCIA, MANUEL H
14176 GOMES, TIMOTHY L
14230 BLOYD, JOHN R
14324 MARTIN, JIMMY E
14500 GODINHO, BRYON K
14544 MENDOZA, CRISTINA C
14550 AZEVEDO, LINDA P
14739 HUBANKS, BRANT D
14770 EMGE, KATHLEEN L
14831 ORNELLAS, EUGENE A
14865 BREWER, ROBERT W
14868 PHOENIX SUNRISE
14915 CLEMENTE, D
15054 OCCUPANT UNKNOWN,
15086 ADAMS, JAMES G
15178 OLIVER, ERNEST J
15195 OCCUPANT UNKNOWN,
15226 KROEBER, LAMARTINE J
15246 WORTH, JACK R
15250 KROEBER, ROGER P
15258 NULL, DONALD T
15266 OCCUPANT UNKNOWN,
15281 OCCUPANT UNKNOWN,
15364 RAMOS, ANTHONY C
15375 GREEN, NORMAN W
15441 GREEN, EVERETT L
15457 ROCHA, WANDA J
15547 OCCUPANT UNKNOWN,
15585 RANDALL, ALLEN L
15621 HOBBS, ROBERT B
15772 OLIVEIRA, EDWARD P
15783 CENTRAL UNION SCHOOL DISTRICT
15884 ORNELLAS, GUS
15899 OCCUPANT UNKNOWN,
15900 OLIVEIRA, PAMELA L
15930 DIAS, MANUEL G
15960 SILVA, DENNIS

18TH AVE

2005

(Cont'd)

16197 MCCALLISTER, LEONARD V
16210 ALEXANDER, MARL M
16255 HAINES, TAYLOR
16283 MURPHY, EUGENE L
16455 LORETO, SALVADOR
16467 VELASQUEZ, BENJAMIN
16838 SHAW, JEFF
17432 SANCHEZ, ANGELICA
17755 RODRIGUEZ, JESUS
17948 MENDIVIL, FILIBERTO
ZEPEDA, JUAN A

KENT AVE 2005

17034 BROWN, CHARLES E
18030 BLAHA, DONALD S
18057 MUNOZ, JUAN C
18262 PERRYMAN, SUSAN
18322 OCCUPANT UNKNOWN,
18348 PHILLIPS, PENNY E
18433 YOUNG, INA M
18479 REIS, LARRY L
19101 BLAIR AIR SERVICE INC
R AND D LEASING INC
19171 OCCUPANT UNKNOWN,
19774 CARRASCO, JOSE

18TH AVE 2000

866 LETBETTER, DONALD
7120 GIBSON, BOB
7182 HEWETT, ROGER
7380 ELICK, WILEY
7778 OCCUPANT UNKNOWN,
7780 GALVEZ, VICTOR R
7784 MELLO, M C
7794 TAVARES, JOSE
7917 OCCUPANT UNKNOWN,
7919 QUINTEL, STEPHEN
7951 OCCUPANT UNKNOWN,
8078 DIAZ, DORA A
8148 RODRIGUES PUMP COMPANY
RODRIGUES, RANDY A
8184 OCCUPANT UNKNOWN,
8302 OCCUPANT UNKNOWN,
8330 RODRIGUES, NELSON
9188 GALLEGOS, DANIEL C
9240 JONES, WILLIAM D
9891 SISSON, ROGER D
10026 R-FARM OUTLET
12823 BILLINGSLEY, DAVID
13071 OCCUPANT UNKNOWN,
13105 OCCUPANT UNKNOWN,
13179 OCCUPANT UNKNOWN,
13261 LOPES, TONY R
13305 OCCUPANT UNKNOWN,
13321 GODINHO, J
13365 CONTENTE, JOSEPH F
13379 SILVA, STANLEY A
13381 VILLA, FRANCIS
13429 GARCIA, DANNY
13524 WHIPPLE, LARRY
13541 LUKER, CLINTON J
13639 ATWOOD, ANNA
13648 OCCUPANT UNKNOWN,
RITZ ALLI HAIR SALON
13655 SMITH, ALLISON
13679 MORRELL, GEORGE W
13696 LETLOW, PHILLIP
13710 GUSTAFSON, LARK
13733 FALL, DELBERT
13750 ORSABA, LOUIE
13761 OCCUPANT UNKNOWN,
13802 GOMEZ, DOLORES
13831 HAMNER, GARY R
13840 ORSABA, JOHN
14066 BOILES, JERRY
R J B CONSTRUCTION
14147 BADASCI & WOOD TRANSPORT

18TH AVE

2000

(Cont'd)

14147 BADASCI LAND LEVELING INCORPORATED
 WOOD BROTHERS INCORPORATED
 14156 GARCIA, MANUEL
 14176 GOMES, TIM
 14230 BLOYD, JOHN R
 14234 MARTIN, JIMMY E
 14324 MARTIN, JIMMY
 14500 OCCUPANT UNKNOWN,
 14544 AZEVEDO, JOE L
 14550 AZEVEDO, SCOTT A
 14739 HUBANKS, BRANT
 14770 OCCUPANT UNKNOWN,
 14831 ORNELLAS, EUGENE
 14865 BREWER, ROBERT W
 14868 JACKSON LAKES GOLF & COUNTRY CLUB
 14915 MCKAY, JAY
 15086 REEVES, JANSEN A
 15178 OCCUPANT UNKNOWN,
 15195 SPABERG, GARY
 15226 KROEBER, L J
 15246 OCCUPANT UNKNOWN,
 15250 KROEBER, ROGER
 15258 NULL, DONALD T
 15281 CLEMENTE, MANUEL
 15360 CARREIRO FARMS
 OCCUPANT UNKNOWN,
 15364 MARTINEZ, BENITO
 15375 GREEN WELL DRILLING & PUMP SERVICE
 OCCUPANT UNKNOWN,
 15378 BACH, DAWN E
 15457 ROCHA, WANDA J
 15475 OCCUPANT UNKNOWN,
 15547 OCCUPANT UNKNOWN,
 15585 OCCUPANT UNKNOWN,
 15772 OLIVEIRA, EDWARD P
 15783 CENTRAL UNION SCHOOL DISTRICT CENTRAL UNION SCHOOL
 CENTRAL UNION SCHOOL DISTRICT SUPERINTENDENTS OFFICE
 CTRL UN SCHOOL DIST INSTRUCTIONAL MEDIA CENTER
 VANFOSSSEN, JOHN F
 15884 ORNELLAS, GUS
 15899 OCCUPANT UNKNOWN,
 15900 OLIVEIRA, JOE P
 15930 BURR, BENTLEY
 15960 SILVA, DENNIS
 16197 MCALISTER, LEONARD
 16283 MURPHY, EUGENE
 16455 FUENTES, P T
 16467 VELAZQUEZ, B
 16838 SAGASER, PHIL

KENT AVE 2000

16591 FRICK, DARRYL
17034 BROWN, PAULINE
RAY, BEVERLY A
18030 BLAHA, DONALD S
LEMOORE HEATING & AIR CONDITIONING
18057 WORRELL, FLOY F
18258 OCCUPANT UNKNOWN,

18TH AVE

1995

7784 MELLO, M C
7794 TAVARES, JOSE
7919 QUINTEL, STEPHEN
7951 OCCUPANT UNKNOWNN
8148 RODRIGUES PUMP CO
8302 OCCUPANT UNKNOWNN
8330 RODRIGUES, NELSON
8519 OCCUPANT UNKNOWNN
8882 OCCUPANT UNKNOWNN
9134 OCCUPANT UNKNOWNN
9188 OCCUPANT UNKNOWNN
9257 OCCUPANT UNKNOWNN
9513 SAALFELD, JOE
9660 MILLER, PHIL
14865 BREWER, ROBERT W

KENT AVE 1995

17034 BROWN, PAULINE
18030 BLAHA, DONALD S
LEMOORE HEATING & AIR COND
18057 WORRELL, LOYD
18262 NEWTON, RANDY
18348 PHILLIPS, JOHN L

18TH AVE

1992

7575 COSTA, DAVID
7784 MELLO, M C
7794 TAVARES, JOSE
7919 QUINTEL, STEPHEN
7951 WHISENHUNT, DENNIS
8148 RODRIGUES PUMP CO
RODRIGUES, RANDY A
8302 RODRIGUES, A A
8330 RODRIGUES, NELSON
8519 FETTERLY, ALAN
8882 RODRIGUES, NEIL
9513 AHOLA, STACY
9660 MILLER, PHIL

KENT AVE 1992

17034 BROWN, PAULINE
18030 LEMOORE HTG&AIR CND
18057 WORRELL, LOYD
18262 NEWTON, ROY L
18479 KINCAID, ERNEST

18TH AVE 1985

| 18TH AV 93245 LEMOORE | | |
|-----------------------|-------|--------------------------------|
| | 845 | XXXX 00 |
| | 866 | LETBETTER DONALD 924-2038 |
| | 1424 | XXXX 00 |
| | 1430 | XXXX 00 |
| 0 | 1438 | XXXX 00 |
| | 1441 | LEMOORE CEMETERY 924-3439 3 |
| | 1444 | XXXX 00 |
| 0 | 1456 | XXXX 00 |
| | 1468 | XXXX 00 |
| | 1486 | FLORES DAVID 924-7623 +5 |
| | | MERRILL AL 924-7825 4 |
| 2 | 1512 | XXXX 00 |
| | 1567 | XXXX 00 |
| | 1570 | STEVENS JOHN N 924-4175 +5 |
| | 5058 | AGUEDA MIKE 923-4410 3 |
| | 5245 | GRAVANCE FRANK 923-4774 +5 |
| | 5259 | STAGE COLE 923-4071 +5 |
| | 7705 | COSTA CHRIS M 924-3279 |
| 2 | 7778 | XXXX 00 |
| | 7780 | XXXX 00 |
| | 7784 | COELHO M P 924-2443 |
| | 7790 | XXXX 00 |
| | 7794 | TAUARES JOSE 924-9781 3 |
| | 7919 | QUINTEL STEPHEN 924-3612 |
| | 7951 | RODRIGUES MANUEL A 924-3114 |
| 1 | 7999 | TOSTE LORNA 924-8392 8 |
| | 8148 | RODRIGUES PUMP CO 924-9097 |
| | | RODRIGUES RANDY A 924-9097 |
| | 8302 | RODRIGUES A A 924-2415 |
| | 8330 | RODRIGUES NELSON 924-2423 |
| | 8427 | XXXX 00 |
| | 8519 | FETTERLY ALAN 924-3765 8 |
| | 8626 | XXXX 00 |
| | 8634 | RODRIGUES RODNEY 924-9162 |
| 4 | 8882 | XXXX 00 |
| 1 | 9080 | XXXX 00 |
| | 9188 | XXXX 00 |
| 5 | 9240 | GONZALES R 924-3858 +5 |
| | | GRAVANCE KATHY 924-5107 +5 |
| | 9242 | XXXX 00 |
| | 9257 | NUNES EDW H 924-4257 |
| 2 | 9346 | ROE JOE LUTHER 924-2658 6 |
| 4 | 9348 | XXXX 00 |
| | 9451 | XXXX 00 |
| 0 | 9513 | RODRIGUES STUART G 924-1994 +5 |
| | 9680 | KURTZ W R 924-5892 9 |
| 2 | 12823 | BILLINGSLEY DAVID 924-2022 |
| | 13071 | HENRY HARRY E 924-3262 |
| 1 | 13105 | KNOBLOCK ROGER B 924-2352 8 |
| | 13180 | PERIERA TONY 924-3097 3 |
| | 13259 | OCHOA JOSE 924-1654 2 |
| 5 | 13261 | LOPES TONY R 924-3651 8 |
| 1 | 13305 | ORMSBY THOS V 924-4881 0 |
| | 13321 | GODINHO JERRY 924-2210 |
| | 13365 | CONTENTE JOE F 924-4072 |
| 0 | 13378 | SILVA STANLEY A 924-4332 9 |
| | 13379 | XXXX 00 |
| | 13381 | VILLA DEANE 924-5862 |
| | | VILLA FRANCIS 924-5862 |
| 9 | 13429 | GARCIA DANNY 924-3607 |
| 3 | 13475 | XXXX 00 |
| | 13502 | KINGS CO FIRE S LMR 924-2626 1 |
| 8 | 13524 | HOLL BRIAN 924-4938 2 |
| 5 | | SAYLER SCOTT 924-4938 2 |

LITER OR PHOTOCOPIED IN ANY MANNER WHATSOEVER

18TH AVE 1985

| 18TH AV | | 93631 CONT |
|---------|------------------------|-------------|
| 1700 | XXXX | 00 |
| 1710 | VIGO DONALD | 897-3800 9 |
| 1740 | HILLBLDM MANFRED R | 897-3260 |
| 1811 | MONSON HAROLD | 897-3212 2 |
| 1813 | XXXX | 00 |
| 1815 | JOHNSON CLARA E | 897-3445 |
| 1817 | XXXX | 00 |
| 1819 | XXXX | 00 |
| 1821 | XXXX | 00 |
| 1823 | ALVES H | 897-2269 1 |
| 1824 | CROFT JOHN R | 897-3923 |
| 1825 | GODFREY ELLEN | 897-3252 |
| 1827 | MILLER N E | 897-7200 0 |
| 1829 | HENSLEE H E | 897-5055 8 |
| 1831 | ACKERMAN GRACE A | 897-5383 3 |
| 1833 | STRID TINA | 897-5682 1 |
| 1835 | SMITH CLARENCE A | 897-2210 |
| 1836 | XXXX | 00 |
| 1837 | XXXX | 00 |
| 1839 | XXXX | 00 |
| 1841 | LANE JESSIE W | 897-3097 7 |
| 1848 | XXXX | 00 |
| 1849 | ELLBERG CONSTRUCTN | 897-3126 6 |
| 1900 | KINGSBURG SC AGRI | 897-2248 +5 |
| | KINGSBURG SC B GYM | 897-2992 1 |
| | KINGSBURG SC CAFE | 897-5447 |
| | KINGSBURG SC G GYM | 897-3038 1 |
| | KINGSBURG SC HIGH | 897-5156 |
| | KINGSBURG SC MNTNC | 897-3070 |
| 1948 | HAIRE KEITH | 897-7230 1 |
| 2070 | GARCIA JOHN O | 897-7248 3 |
| 2075 | REYNOSO ROSARIO | 897-4665 1 |
| 2080 | XXXX | 00 |
| 2081 | MICHIGIAN B S | 897-3731 |
| 2100 | BOUCHER DAN | 897-7053 0 |
| 2101 | XXXX | 00 |
| 2132 | OSTROM EVERETT S | 897-2341 |
| 2164 | DRAKE ROY W | 897-3302 |
| 2185 | ROUCH ROBT N | 897-3653 |
| 2180 | LEWIS MIKE | 897-5464 +5 |
| 2190 | XXXX | 00 |
| 2200 | XXXX | 00 |
| 2232 | KULOW H R | 897-2229 9 |
| 2240 | CHARLESWORTH J B | 897-5323 6 |
| 2245 | ERICKSON GEORGE T | 897-2258 |
| 2246 | FISHEL J E | 897-2259 |
| 2247 | ELLQUIST JOAN | 897-3427 +5 |
| | ERICKSON E M | 897-5080 1 |
| | HANSON FLORENCE C | 897-3658 9 |
| | JOHNSON LESTER H | 897-2525 4 |
| 2256 | SCHMAL TERRY | 897-7695 2 |
| 2300 | ADAMS RAYMOND H | 897-2871 4 |
| 2321 | XXXX | 00 |
| 2340 | GILLET R | 897-3716 |
| 2341 | OLSON BURTON | 897-2271 |
| | OLSON JOYCE | 897-2271 |
| 2360 | MARRIOTT SIMON | 897-4239 2 |
| 2361 | THOLLANDER G A | 897-2414 |
| 2400 | PARKER ROBT G | 897-4860 3 |
| 2401 | BOUCHER RAY D | 897-3203 |
| 2454 | JONES DENNIS | 897-2095 2 |
| | STUMPS PLUMBING | 897-4313 2 |
| 2455 | SATTERBERG GORDON | 897-3287 |
| 2456 | ROGERS JOHN M | 897-4011 2 |
| 2459 | LARSON WAYNE | 897-5657 9 |
| 2465 | GIBSON C A | 897-3972 |
| 2475 | MATTHEWS MARK F | 897-5210 8 |
| 2480 | WOODS JOHN J | 897-3414 |
| 2480 | LANKFORD J ROBT | 897-3711 |
| 2492 | BONANDER EDWIN REV | 897-4539 1 |
| 2494 | LENZ H F | 897-2460 |
| 2495 | STARK RON | 897-4014 3 |
| 2500 | MCLASKEY LARRY | 897-3703 4 |
| 2501 | ELZARIAN EDWARD | 897-3525 |
| 2503 | XXXX | 00 |
| 2505 | FORD JIM | 896-3380 1 |
| 2507 | WORKMAN DONALD | 897-5325 |
| 2509 | KAZARIAN RAY H | 897-7013 7 |
| 2511 | PRINZ VERNON D | 897-3767 |
| 2513 | BALES C | 897-2091 3 |
| | MUNSON GARY W | 897-5676 |
| 2515 | SWARD ROY M | 897-3464 |
| 2517 | ROEHLK GEO P | 897-7096 2 |
| 2519 | MORGAN FRED | 897-2497 |
| 2521 | CODUTI LEONARD L | 897-3406 |
| 2523 | JOHNSTON DAVID | 897-3619 7 |
| 2603 | OLSON PHILIP | 897-2444 |
| 2605 | STIMMELL ALLAN | 897-5041 |
| | * 13 BUS 114 RES 6 NEW | |

KENT AVE 1985

KENT AV 93245 LEMOORE

| | | | |
|-------|---------------------|----------|-------|
| 16488 | XXXX | 00 | |
| 16842 | ANGULO ABEL | 924-8776 | 1 |
| 18030 | BLAHA DONALD S | 924-9218 | 9 |
| | LEMOORE HTG&AIR CND | 924-7307 | +5 |
| 18057 | WORRELL LOYD | 924-2749 | |
| 18348 | XXXX | 00 | |
| 18433 | XXXX | 00 | |
| 18479 | JONES LARRY | 924-4952 | 4 |
| 18488 | XXXX | 00 | |
| ★ | 1 BUS | 8 RES | 1 NEW |

18TH AVE 1980

| 18TH AV 93245 LEMOORE | | |
|-----------------------|---------------------|-------------|
| 845 | LEMOORE LITTLE LGUE | 924-9932 9 |
| 866 | LETBETTER DONALD | 924-2038 |
| 1224 | CHIEF AUTO PARTS | 924-3266+0 |
| 1424 | XXXX | 00 |
| 1430 | SMILEY S | 924-4391 +0 |
| 1438 | XXXX | 00 |
| 1441 | GRANGEVILLE CEMETRY | 924-2185 9 |
| | LEMOORE CEMTRY DIST | 924-2185 8 |
| 1444 | XXXX | 00 |
| 1456 | XXXX | 00 |
| 1468 | XXXX | 00 |
| 1512 | XXXX | 00 |
| 1567 | JURIS JON | 924-4023 8 |
| 1570 | XXXX | 00 |
| 5259 | GRAVANCE FRANK | 923-4774 +0 |
| 7705 | COSTA CHRIS M | 924-3279 |
| 7778 | XXXX | 00 |
| 7780 | SANTOS GEORGE | 924-9098 9 |
| | SANTOS JOHN | 924-5098 +0 |
| 7784 | COELHO M P | 924-2443 |
| 7790 | XXXX | 00 |
| 7919 | QUINTEL STEPHEN | 924-3612 |
| 7951 | RODRIGUES MANUEL A | 924-3114 3 |
| 7999 | TOSTE LORNA | 924-8392 8 |
| 8148 | RODRIGUES PUMP CO | 924-9097+0 |
| | RODRIGUES RANDY A | 924-9097 6 |
| 8302 | RODRIGUES A A | 924-2415 |
| 8330 | RODRIGUES NELSON | 924-2423 |
| 8427 | WEATHERS WM | 924-3754 +0 |
| 8519 | FETTERLY ALAN | 924-3765 8 |
| 8626 | XXXX | 00 |
| 8634 | RODRIGUES RODNEY | 924-9182 |
| 8882 | OURIQUE JOSE F | 924-4533 7 |
| 9080 | XXXX | 00 |
| 9240 | ALEXANDER RANDAL | 924-9813 7 |
| 9257 | NUNES EDW H | 924-4257 |
| 9346 | ROE JOE LUTHER | 924-2658 6 |
| | ROE MARTIN | 924-4666 3 |
| 9451 | XXXX | 00 |
| 9513 | LEEDALE LUCY | 924-9096 7 |
| 9660 | KURTZ W R | 924-5892 9 |
| 12823 | BILLINGSLEY DAVID | 924-2022 |
| | BILLINGSLEY M | 924-8759 9 |
| 13071 | HENRY HARRY E | 924-3262 |
| 13105 | KNOBLOCK ROGER B | 924-2352 8 |
| 13180 | AZEVEDO RICHARD G | 924-4776 +0 |
| 13261 | LOPES TONY R | 924-3651 8 |
| 13305 | ORMSBY THOS V | 924-4881 +0 |
| 13321 | GODINHO JERRY | 924-2210 |

18TH AVE 1980

| 18TH AV | | 93245 CONT | |
|---------|-------------------------|------------|----|
| 13365 | CONTENTE JOE F | 924-4072 | 4 |
| | CONTENTE MONTY | 924-3861 | 9 |
| | YBARRA JOE | 924-3861 | 9 |
| 13378 | SILVA STANLEY A | 924-4332 | 9 |
| 13379 | XXXX | 00 | |
| 13381 | VILLA DEANE | 924-5862 | |
| | VILLA FRANCIS | 924-5862 | |
| | VILLA T M | 924-4946 | 8 |
| 13429 | GARCIA DANNY | 924-3607 | |
| 13475 | SMITH R W | 924-8212 | +0 |
| 13541 | XXXX | 00 | |
| 13565 | PERRY WILLIAM T | 924-9342 | 8 |
| 13648 | WARSHAWSKY D A LCDR | 924-8353 | 6 |
| 13655 | XXXX | 00 | |
| 13679 | MORRELL GEO W | 924-4610 | 5 |
| 13696 | PLYLER J C | 924-4076 | 8 |
| 13733 | FALL DELBERT | 924-4014 | |
| 13750 | ORSABA LOUIE | 924-3675 | |
| 13802 | GOMEZ JOE | 924-3844 | 3 |
| 13831 | DUDLEY JOHN WM | 924-5135 | |
| 13840 | ORSABA JOHN | 924-5114 | |
| 13926 | INIGUES IGNACIO | 924-8264 | 9 |
| 14066 | ACOSTA BILL | 924-8157 | +0 |
| | GARCIA M | 924-2469 | |
| | HARMON JOHN | 924-8157 | +0 |
| 14156 | GARCIA DANL A | 924-8709 | +0 |
| 14176 | TORIK M | 924-3527 | 7 |
| 14230 | DEWEY JOHN G | 924-8983 | +0 |
| 14324 | MARTIN JIMMY | 924-3580 | +0 |
| 14500 | XXXX | 00 | |
| 14544 | ANDRADA ALBERT | 924-4274 | +0 |
| 14739 | HUBANKS BRANT | 924-2645 | 3 |
| 14770 | JOHNSON JEROLD | 924-8455 | +0 |
| 14831 | ORNELLAS EUGENE | 924-5519 | 8 |
| 14865 | BREWER ROBERT W | 924-5420 | 9 |
| 14868 | JACKSON LK GOLF CRS | 924-2763 | 8 |
| 14915 | XXXX | 00 | |
| 15086 | REEVES JANSEN A | 924-5753 | |
| 15195 | AVILA JOE INSURANCE | 924-4975 | 8 |
| 15226 | KROEBER L J | 924-3207 | |
| 15246 | XXXX | 00 | |
| 15266 | ALLEN BRYANT | 924-3073 | 7 |
| 15360 | CRAIN CECILE | 924-3928 | |
| | CRAIN JOE | 924-3928 | |
| | RODRIGUES DANL | 924-3936 | +0 |
| 15375 | GREEN NORMAN W | 924-2429 | |
| 15378 | CONRO PAUL | 924-2466 | +0 |
| 15441 | HILL ROBERT J | 924-3520 | +0 |
| 15457 | HARTSBURG PEGGY | 924-4517 | +0 |
| | ROCHA ERNEST L | 924-4117 | 6 |
| 15475 | HOBBS H B | 924-4124 | |
| 15547 | XXXX | 00 | |
| 15772 | OLIVEIRA EDWARD P | 924-3397 | |
| 15783 | CENTRL UN RSRCE RM | 924-8780 | 9 |
| | CENTRL UN SCHOOL | 924-5457 | |
| | CENTRL UN SPRNTNDNT | 924-3405 | |
| 15865 | XXXX | 00 | |
| 15870 | XXXX | 00 | |
| 15884 | OLIVEIRA MANUEL P | 924-2951 | |
| 15899 | FORD KENNETH | 924-4375 | |
| 15900 | OLIVEIRA JOE P JR | 924-9374 | 6 |
| 15960 | OLIVEIRA JOE P | 924-2961 | 4 |
| 15965 | DILL ROY D | 924-5864 | 9 |
| 16197 | MCALISTER LEONARD | 924-5596 | |
| 16250 | XXXX | 00 | |
| 16255 | DILL N S | 924-9807 | +0 |
| 16283 | NEWTON TOM | 924-9603 | +0 |
| 16548 | XXXX | 00 | |
| 16838 | HOMAN TONY D | 924-2745 | |
| NO # | COUNTRY APTS POOL | 924-9963 | 7 |
| NO # | POOL N PATIO | 924-8924 | 9 |
| | * 13 BUS 107 RES 22 NEW | | |

KENT AVE 1980

KENT AV 93245 LEMOORE

| | | | |
|-------|-------------------|----------|-------|
| 18030 | BLAHA DONALD S | 924-9218 | 9 |
| 18057 | WORRELL LOYD | 924-2749 | |
| 18348 | DONNELL DARRELL J | 924-5667 | |
| 18433 | XXXX | 00 | |
| 18479 | JONES TOMMY | 924-3545 | |
| 18488 | MORALES BELIA | 924-8786 | +0 |
| ★ | 0 BUS | 6 RES | 1 NEW |

18TH AVE 1975

18TH AV 93245 LEMOORE

| | | |
|-------|--------------------|------------|
| 866 | LETBETTER DONALD | 924-2038 |
| 1424D | DAVIS GARY D DR | 924-5535 4 |
| 1430D | RAILSBACK SHERMAN | 924-8476+5 |
| 1438 | XXXX | 00 |
| 1444 | SMITH MICHAEL L | 924-5160 4 |
| 1456 | THOMAS RICH | 924-5370+5 |
| B | KUPP BARY K | 924-3695 4 |
| 1468 | BEGGS MICHAEL | 924-4667+5 |
| | KOCH ROGER L | 924-8355+5 |
| 1486 | CAIRONE MATTHEW | 924-5181 4 |
| | RICE ROYAL W JR | 924-3091+5 |
| 1512 | SMITH DONALD D CDR | 924-4725 3 |
| 1542 | MCNULTY PATRICK L | 924-2837 4 |
| 1556 | RAMIREZ BARBARA | 924-3285 |
| | RAMIREZ MICHAEL L | 924-3285 |
| 1570 | CHAPMAN C S JR LT | 924-9315 4 |
| 7705 | COSTA CHRIS M | 924-3279 |
| 7778 | MELLO M J | 924-4318 3 |
| 7780 | DOMINGOS ANTONIO P | 924-3774 3 |
| 7784 | COELHO M P | 924-2443 |
| 7790 | DIAS ALBERT S | 924-9454 4 |
| 7919 | QUINTEL STEPHEN | 924-3612 |
| 7951 | RODRIGUES MANUEL A | 924-3114 3 |
| 7999 | ROCHA HENRY RICK | 924-3952 3 |
| 8148 | ALMEIRA ANIBAL C | 924-3079 4 |
| 8302 | RODRIGUES A A | 924-2415 |

18TH AVE 1975

| 1975 | |
|---------------------------|--------------|
| ..18TH AV | 93245 CONT.. |
| 4330 RODRIGUES NELSON | 924-2423 |
| 8427 XXXX | 00 |
| 8519 XXXX | 00 |
| 8626 OLEVEIRA FRANK | 924-2112 4 |
| 8634 RODRIGUES RODNEY | 924-9162 |
| 8882 RODRIGUEZ RANDY A | 924-9097+5 |
| 9080 XXXX | 00 |
| 9240 XXXX | 00 |
| 9257 NUNES EDW H | 924-4257 |
| 9346 ROE MARTIN | 924-4666 3 |
| 9451 WILLIAMS LES | 924-4986 4 |
| 9513 DAUGHERTY ALVIDA | 924-3809+5 |
| 9660 KURTZ W R | 924-5892 |
| 10352 XXXX | 00 |
| 10534 WIMER WM H | 924-4604 |
| 10550 WESTBAY KEITH | 924-2276 |
| 10580 HESS RICHARD W | 924-3154 |
| 10592 LYFORD GEO JR | 924-5726 |
| REECE MEL DINO | 924-9354+5 |
| 10683*HILL W H PAT | 924-5640 |
| HILL W H PAT | 924-5640 |
| 10734*GRANGEVILLE CEMETRY | 924-2185 |
| *LEMDORE CENTRY DIST | 924-2185 |
| 10754 VAZ W C | 924-5253 4 |
| 10766 GRICE JOHN D LCDR | 924-3600 |
| 10778 KNEE FRED M | 924-9108 4 |
| 10790 HARTER GARY L LCDR | 924-9309 3 |
| 10822 KLEINHAMMER S | 924-2320 |
| 12823 BILLINGSLEY DAVID | 924-2022 |
| 13071 HENRY HARRY E | 924-3262 |
| 13180 LUIS ALBERT | 924-4930 |
| 13261 XXXX | 00 |
| 13305 LAFFERTY ARLENE | 924-4361 |
| LAFFERTY JOHN P | 924-4361 |
| *LAFFERTY PAINT SERV | 924-4361 |
| 13321 GODINHO JERRY | 924-2210 |
| 13365 CONTENTE JOE F | 924-4072 4 |
| CONTENTE MIKE | 924-3034+5 |
| 13378 BORBA MANUEL JR | 924-3283 |
| 13379 BORBA RICKY | 924-3109 4 |
| 13381 VILLA DEANE | 924-5862 |
| VILLA FRANCIS | 924-5862 |
| 13429 GARCIA DANNY | 924-3607 |
| 13475 DURRANT R L | 924-3529 4 |
| 13541 LUKER CLINTON J | 924-3641 |
| LUKER JOAN | 924-3641 |
| 13679 MORRELL GEO W | 924-4610+5 |
| 13733 FALL DELBERT | 924-4014 |
| 13750 ORSABA LOUIE | 924-3675 |
| 13802 GOMEZ JOE | 924-3844 3 |
| 13831 DUDLEY JOHN WM | 924-5135 |
| 13840 ORSABA JOHN | 924-5114 |
| 13926 XXXX | 00 |
| 14066 GARCIA FRANK J | 924-2469 |
| 14156 ROEIRO RONALD | 924-5002+5 |
| 14176 STEELE DONALD F | 924-8234+5 |
| 14230 XXXX | 00 |
| 14324 CROSS ROXIE | 924-3528 4 |
| 14500 KAGLE ED | 924-3392 |
| 14739 HUBANKS BRANT | 924-2645 3 |
| 14770 ROSS ROBT | 924-3263+5 |
| 14868*MESA VERDE GOLF CRS | 924-2763 |
| 14915 BREWER ROBT W | 924-5420 |
| 15086 REEVES JANSEN A | 924-5753 |
| 15226 KROEBER L J | 924-3207 |
| 15246 HUDSON MYRTIE M | 924-5738 4 |
| HUDSON SHORTY | 924-5738 4 |
| 15266 LOYA JESSE JR | 924-5035 4 |
| 15360 CARREIRO ERNIE | 924-3521 |
| CRAIN CECILE | 924-3928 |
| CRAIN JOE | 924-3928 |
| RODRIGUES DANL | 924-3936 3 |
| 15375 GREEN NORMAN W | 924-2429 |
| 15441 XXXX | 00 |
| 15457 ROCHA GARY | 924-9788 4 |
| 15475 HOBBS H B | 924-4124 |
| 15772 OLIVERIA EDM P | 924-3397 |
| 15783*CENTRAL UNION SCHL | 924-5457 |
| *CENTRL UN SPRNTNDNT | 924-3405 |
| 15865 HOLLOWAY PHIL | 924-3741 4 |
| 15870 XXXX | 00 |
| 15884 OLIVEIRA MANUEL P | 924-2951 |
| 15899 FORD KENNETH | 924-4375 |
| 15900 ROCHA AUGUSTINE L | 924-2948 |
| 15960 OLIVEIRA JOE P | 924-2961 4 |
| 15965 STRAUBAUGH D E | 924-9716+5 |
| 16197 MCALISTER LEONARD | 924-5596 |
| 16250 XXXX | 00 |
| 16255 NUNES DAVID | 924-2428 |
| 16283 NUNES EUGENE A | 924-5113 3 |
| 16548 HDMAN JOHN J | 924-5595 |
| 16838 HDMAN TONY C | 924-2745 |
| 17017 XXXX | 00 |
| * 7 BUS 112 RES | 14 NEW |

KENT AVE 1975

KENT AV 93245 LEMOORE

| | | |
|-------|--------------------|------------|
| 16488 | BURSIAGA DOROTEO | 924-2767+5 |
| 16842 | XXXX | 00 |
| 17468 | XXXX | 00 |
| 18030 | GRANTHAM LEONARD J | 924-3951 |
| 18057 | WORRELL LOYD | 924-2749 |
| 18348 | DONNELL DARRELL J | 924-5567 |
| 18433 | XXXX | 00 |
| 18479 | JONES TOMMY | 924-3545 |
| | * 0 BUS 8 RES | 1 NEW |

APPENDIX F

RESUMES

Dave Pfuhler

Environmental Analyst / Biologist



ANALYTICAL
ENVIRONMENTAL
SERVICES

Education

B.S. Environmental
Science/ Natural
Resource Management
SUNY Binghamton
University

Qualifications

- Skilled in scientific data analysis and statistical modeling.
- 3 years of experience working with environmental regulatory agencies.

Mr Pfuhler is an experienced environmental analyst, biologist, and technical writer. He has contributed towards the preparation of numerous environmental technical studies, including various CEQA and NEPA documents, and provides professional consulting services to private clients and Native American tribes. Prior to joining AES, his experiences were in both the public and private environmental sector. He is a skilled writer with a background in environmental science and natural resource management. Mr. Pfuhler is knowledgeable in environmental regulatory processes, with experience involving hazardous materials, biological resources, transportation and traffic, and noise pollution. He provides consultation and guidance for environmental issues, other regulatory processes, and coordinates with lead agencies, engineers, and sub-consultants in preparing documents. He has been a contributing analyst and author of numerous environmental impact statements, environmental assessments, Phase 1 Environmental Site Assessments, environmental permit applications, and environmental overviews required for NEPA/CEQA compliance.

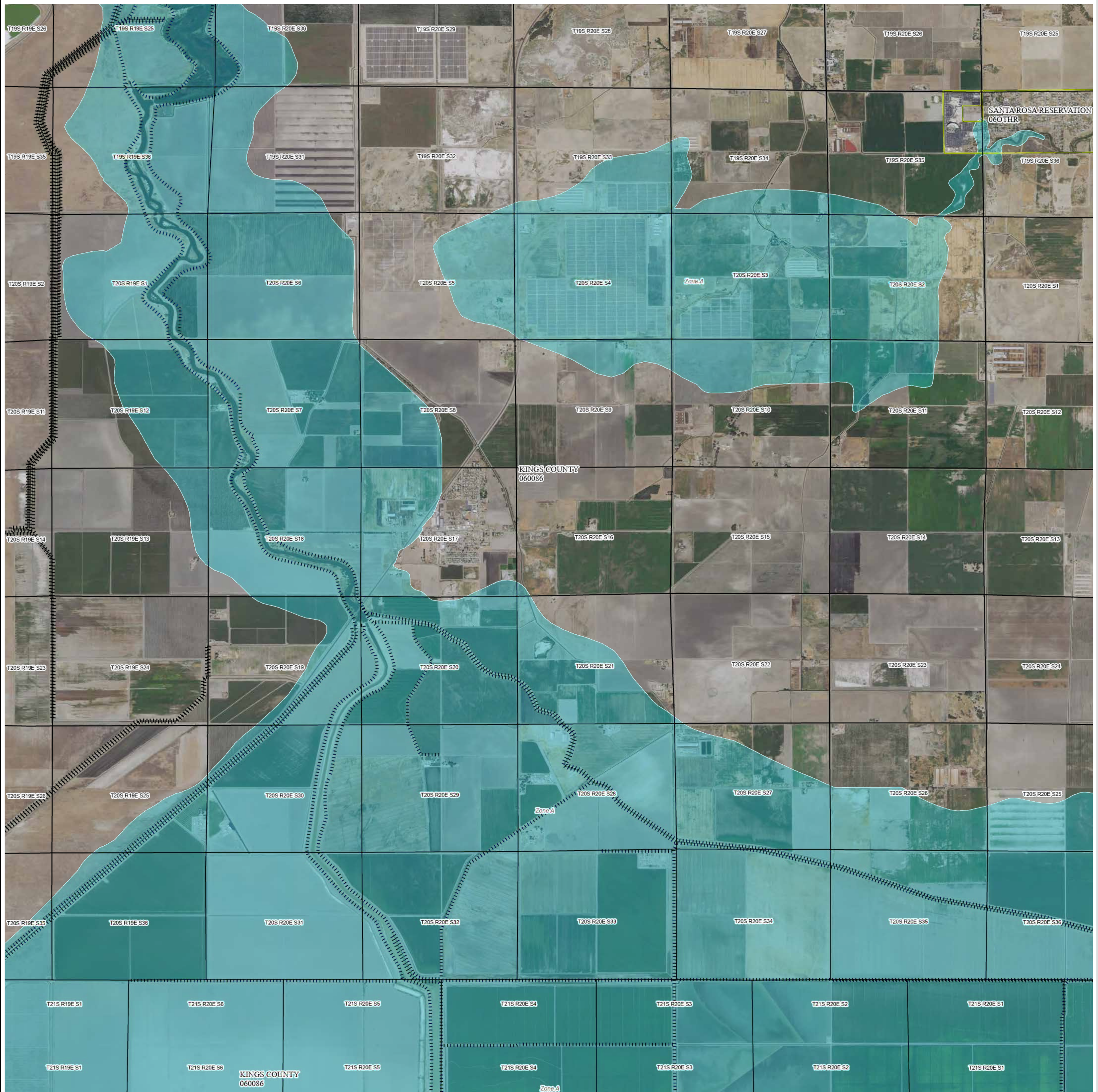
Representative Project Experience

Mr. Pfuhler served as the environmental site assessor and/or report preparer for the following Phase 1 Environmental Site Assessments (ESA):

- 3771 Cleveland Avenue, Sonoma County Phase 1
- Santa Rosa Rancheria, Rancheria Parcels Fee-to-Trust Phase 1
- Santa Rosa Rancheria, Former Dairy Parcels Fee-to-Trust Phase 1
- Santa Rosa Rancheria, Jersey Parcels Fee-to-Trust Phase 1
- Santa Rosa Rancheria, Hanford Parcels Fee-to-Trust Phase 1
- Santa Rosa Rancheria, Lemoore Parcels Fee-to-Trust Phase 1
- Cahto Tribe of the Laytonville Rancheria, Gas Station Phase 1
- 3775 Cleveland Avenue, Sonoma County Phase 1
- Table Mountain Rancheria, Beach Club Fee-to-Trust Phase 1
- Table Mountain Rancheria, Lost Lake Property Fee-to-Trust Phase 1
- Table Mountain Rancheria, Sutherland Property Fee-to-Trust Phase 1
- Table Mountain Rancheria, Brooks Property Fee-to Trust Phase 1
- Tule River Tribe, 40-Acre Airpark Fee-to-Trust Phase 1
- Boyd Gaming, Sacramento County Phase 1

APPENDIX G

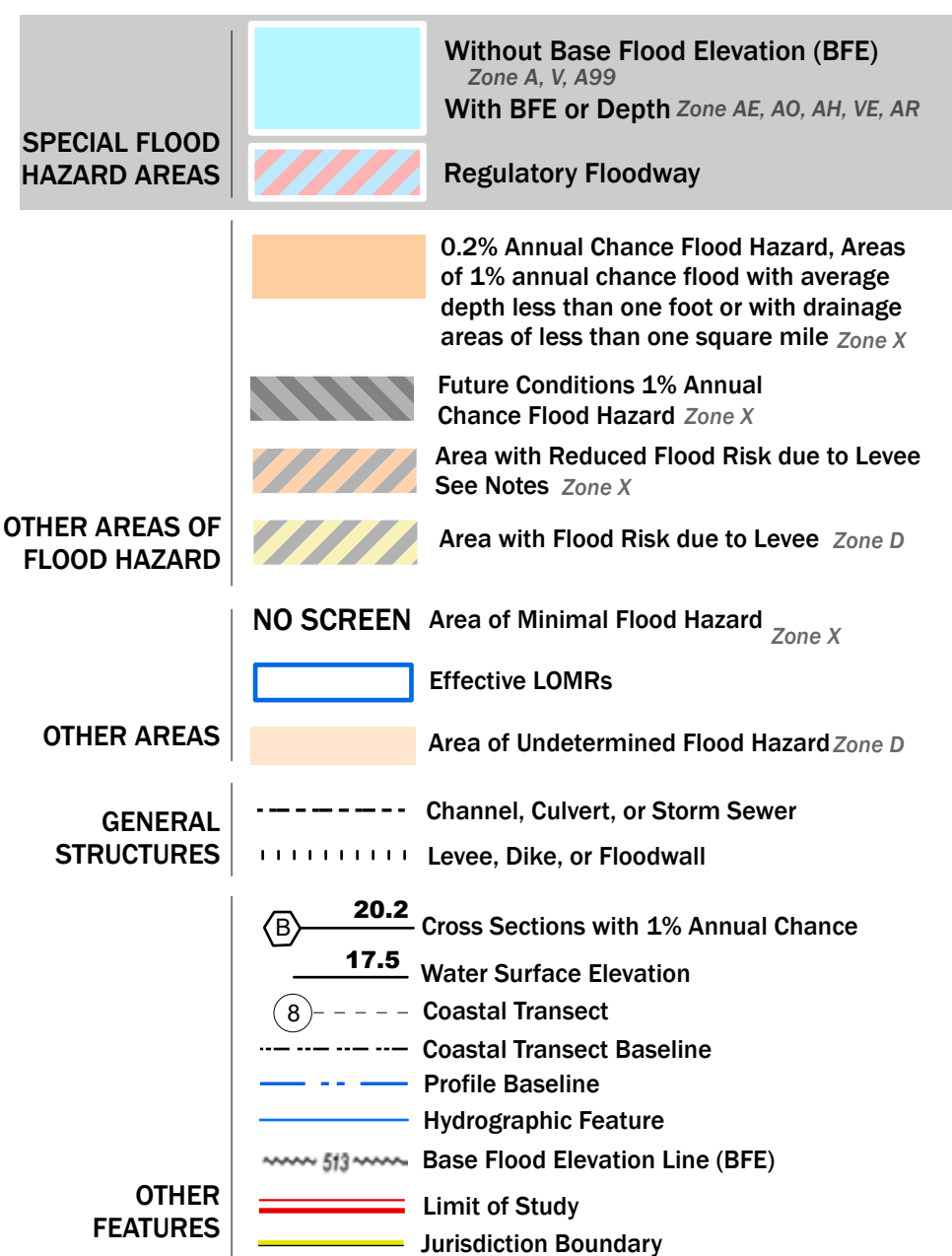
FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP



USGS The National Map: Orthoimagery, Data refreshed October, 2020.

FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR DRAFT FIRM PANEL LAYOUT



NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-6627) or visit the FEMA Flood Map Service Center website at <https://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates, refer to the Flood Insurance Study Report for this jurisdiction.

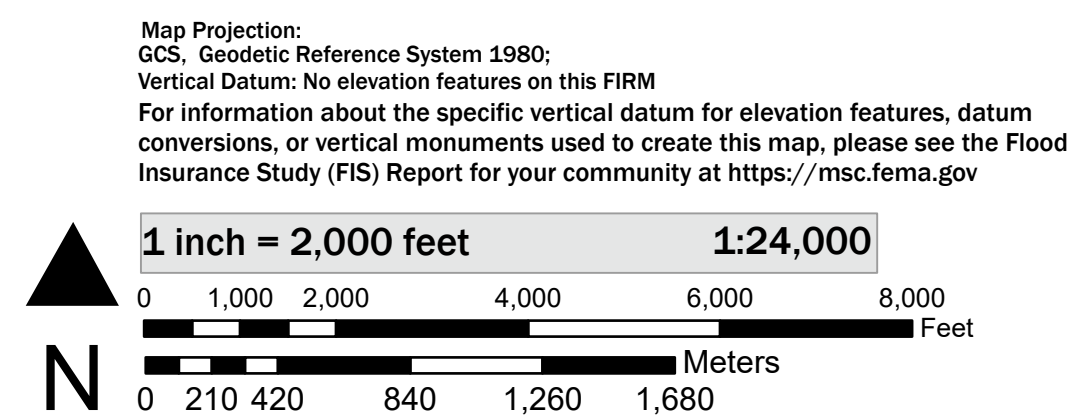
To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Basemap information shown on this FIRM was provided in digital format by USDA, Farm Service Agency (FSA). This information was derived from NAIP, dated April 11, 2018.

This map was exported from FEMA's National Flood Hazard Layer (NFHL) on 10/19/2020 3:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time. For additional information, please see the Flood Hazard Mapping Updates Overview Fact Sheet at <https://www.fema.gov/media-library/assets/documents/118418>

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards. This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date.

SCALE



NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

KINGS COUNTY, CALIFORNIA
AND INCORPORATED AREAS
PANEL 325 OF 875

Panel Contains:

| COMMUNITY | NUMBER | PANEL |
|------------------------|--------|-------|
| SANTA ROSA RESERVATION | 060086 | 0325 |
| KINGS COUNTY | | |

APPENDIX H

INTERVIEWS AND QUESTIONNAIRE

State/Local/Tribal Government Official Interview Form

Interviewee(s):

Date: Feb 17, 2021 Time: 1:00 pm

Name/Title: Leland McGee, Tribal Administrator Phone Number: 559-633-3837

Email Address: _____

Type of Interview: On-site Off-site/Telephone Off-site/Letter or Email

Governmental Agency Description (as applicable):

Agency Office Name: Tribal Administration

Agency Office Address: 16835 Alkali Drive, P.O. Box 8, Lemoore, CA, 93245

Agency Function/Jurisdiction: Other
Tribal

Interview Results (to the best knowledge of the Interviewee(s)):

Historical Knowledge about Property? 1 Year 5 Years 10+ Years

Historical Use of Property? Residential Industrial Commercial
 Agricultural Rural Other

Reason to believe REC present? Yes No Require Data

Comment(s):

Land has been used for the cultivation of hay and cotton. Dairy located along the back side of the property. No knowledge of environmental concerns on the property.

Signature(s):


Signed (Interviewer)

Biologist
Title

February 17, 2021
Date

User/Owner/Occupant/Key Site Manager Questionnaire

The Bureau of Indian Affairs is conducting a Phase I Environmental Site Assessment according to American Society for Testing and Materials (ASTM) Standard Practice E1527-13. We request your assistance in conducting this Assessment by asking that you complete this questionnaire and return it as soon as possible.

These questions should be answered by someone or a group of people that are most likely to have knowledge about the subject of the questions – typically the owner, long time tenant, or a property manager. *Please do not leave any blank.* Answer in good faith to the best of your knowledge and if you’re not sure how to answer the question, feel free to contact the environmental professional for clarification.

Property Name: Gilcrease Parcels

Property Address or ID Number (as applicable): Kings County APN: 026-160-018, 026-160-025, 026-160-026, 026-160-027, 026-160-028, 026-160-029, 026-160-030, 026-160-031, 026-160-032, 026-160-033

General Property Description (location, use, level of development, topography, biota, etc.):
The Subject Property contains agricultural fields and an irrigation canal. The Subject Property is located to the west of the Tachi Palace Resort and Casino (Resort). The topography of the Subject Property is flat topography and located at approximately 200 feet above mean sea level (amsl).

| Question | Yes | Not Sure | No | If yes, please describe |
|--|-----|----------|----|-------------------------|
| <p>1. Did a search of land title records (or judicial records where appropriate – see NOTE below) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?</p> <p>NOTE — Certain jurisdictions require that environmental liens be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens.</p> | | | X | |
| <p>2. Did a search of recorded land title records (or judicial records where appropriate, see NOTE below) identify any AULs, such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?</p> <p>NOTE — Certain jurisdictions require that activity and use limitation (AULs) be filed in judicial records rather than in land title records. In such cases judicial records must be searched for AULs.</p> | | | X | |

| Question | Yes | Not Sure | No | If yes, please describe |
|--|-----|----------|----|--|
| 3. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? | | | X | |
| 4. Does the purchase price paid for the property reasonably reflect the fair market value of the property? If you conclude that there is a difference, do you have any reason to believe that the lower purchase price is because contamination is known or believed to be present at the property? | | | X | Tribe paid more than FMV per acre. |
| 5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases of hazardous materials? | | | X | |
| 6. Do you know the past uses on the property? If so, please generally describe the uses and how long have you have had knowledge of the property? | X | | | Agriculture – field rotation crops. Several years. |
| 7. Do you know of specific chemicals that are present or once were present at the property? | | | X | |

| Question | Yes | Not Sure | No | If yes, please describe |
|---|-----|----------|----|-------------------------|
| 8. Do you know of spills or other chemical releases that have taken place at the property? | | | X | |
| 9. Do you know of any environmental cleanups that have taken place at the property? | | | X | |
| 10. Based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of hazardous materials or petroleum product releases at the property? | | | X | |
| 11. Are there any pits, ponds, or lagoons on the property that have been used in connection with waste disposal or waste treatment? | | | X | |
| 12. Are there any areas of stained soil or pavement on the property? | | | X | |
| 13. Are there any areas of stressed vegetation caused by something other than insufficient water on the property? | | | X | |

| Question | Yes | Not Sure | No | If yes, please describe |
|--|-----|----------|----|-------------------------|
| 14. On the property are there any depressions, mounds, or filled/graded areas that are associated with solid waste disposal? | | | X | |
| 15. Are there any liquid discharges into waterways on the property or injections into groundwater on the property? | | | X | |
| 16. Are there any wells located on the property? | X | | | |
| 17. Are there any septic systems or cesspools on the property? | | | X | |
| 18. Do you have or know of the existence of any of the following records related to the property? | | | X | |

| Question | Yes | Not Sure | No | If yes, please describe |
|---|-----|----------|----|-------------------------|
| a) Environmental site assessment reports? b) Environmental compliance audit reports? c) Environmental permits (for example, solid waste disposal permits, hazardous waste disposal permit, wastewater permits, NPDES permits, underground injection permits)? d) Registrations for underground and above-ground storage tanks? e) Registrations for underground injection system? f) Material safety data sheets? g) Community right-to-know plan? h) Safety plans; preparedness and prevention plans; spill prevention, countermeasure, and control plans; facility response plans, etc.? i) Reports regarding hydrogeologic conditions on the property or surrounding area? j) Notices or other correspondence from any government agency relating to past or current violations of environmental laws with respect to the property or relating to environmental liens encumbering the property? k) Hazardous waste generator notices or reports? l) Geotechnical studies? m) Risk assessments? n) Recorded Activity and Use Limitations (AULs)? | | | | |
| 19. Do you know of any pending, threatened, or past litigation or administrative proceedings relevant to hazardous substances on the property? | | | X | |
| 20. Do you know of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances? | | | X | |

| Question | Yes | Not Sure | No | If yes, please describe |
|---|-----|----------|----|-------------------------|
| 21. Do you have any reason to believe contamination is present at the property that was not covered by the above questions? | | | X | |

Name: Leland McGee

Title (if applicable): Tribal Administrator

Association with Property (may check more than one if applicable):

User (party seeking to use the Phase I Environmental Site Assessment)

Owner (owner of Property)

Occupant (party occupying or using the Property)

Key Site Manager (person with good knowledge or uses or physical characteristics of the Property)

Years associated with Property: 1 Year 2 Years 10+ Years

Sign Here:  Date: 11.9.2020

If more than one person assisted in completing this form:

Name: _____

Title (if applicable): _____

Association with Property (may check more than one if applicable):

User (party seeking to use the Phase I Environmental Site Assessment)

Owner (owner of Property)

Occupant (party occupying or using the Property)

Key Site Manager (person with good knowledge or uses or physical characteristics of the Property)

Years associated with Property: 1 Year 5 Years 10+ Years

Sign Here: _____ Date: _____

APPENDIX H

BIBLIOGRAPHY

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BIBLIOGRAPHY

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