#### **DRAFT**

Initial Study and Mitigated Negative Declaration for the California Conservation Corps, Auberry Center

**July 2020** 

**Lead Agency:** 



California Conservation Corps 1719 24th Street Sacramento, California 95816

Prepared for:



State of California Department of General Services
Real Estate Services Division
707 Third Street, 4th Floor
West Sacramento, California 95605

Prepared by:



2525 Warren Drive Rocklin, California 95677



DRAFT MITIGATED NEGATIVE DECLARATION CALIFORNIA CONSERVATION CORPS, AUBERRY CENTER		
Lead Agency:	California Conservation Corps (CCC)	
Project Proponent:	State of California Department of General Services – Real Estate Services Division	
Project Location:	The Proposed Project is located immediately west of the Auberry Road and Powerhouse Road intersection at the former Auberry Elementary School (33367 North Auberry Road) in Auberry, California. The Project site corresponds to a portion of Section 8, Township 10 south, and Range 23 east (Mount Diablo Base and Meridian) within the "Auberry, California" 7.5-minute quadrangle (U.S. Geological Survey [USGS] 1987). The approximate center of the Project site is located at latitude (NAD83) 37.080134° and longitude (NAD83) -119.487500° within the Upper San Joaquin Watershed (Hydrologic Unit Code #18040006, USGS 2016).	

#### **Project Description**

The California Conservation Corps (CCC) is proposing to renovate the elementary school consisting of approximately 52,000 square feet (sf) of existing structures. The Project involves bringing the existing structures to current code for use as a CCC facility. Existing structures to be renovated include an administration building, dormitories, multi-purpose building with kitchen and dining room, education building, two COMET buildings, storage room, and recreation building. The Project also includes construction of a new 12,358-square-foot warehouse with work area. Additional site improvements would include paved surfaces, walkways, driveways, parking, and associated utilities. The current Project configuration includes a 100-foot buffer from Little Sandy Creek.

Public Review Period: Jul 1, 2020 – July 31, 2020

#### Mitigation Measures Incorporated into the Project to Avoid Significant Effects

The following mitigation measures identified in the Initial Study are required to ensure Project impacts are reduced to less than significant:

### **Air Quality**

**AIR-1: Air Impact Assessment.** In accordance with SJVAPCD Rule 9510, a detailed air impact assessment (AIA) shall be prepared detailing the specific construction requirements (i.e., equipment required, hours of use, etc.) and operational characteristics associated with the proposed on- and offsite improvements. In accordance with this rule, emissions of NOX from construction equipment greater than 50 horsepower used or associated with the development Project shall be reduced by 20 percent from baseline (unmitigated) emissions and PM10 emissions by 45 percent. The Project will demonstrate compliance with Rule 9510,

- including payment of all applicable fees, prior to construction. Examples of mitigation measures that would reduce emissions attributable to the proposed Project in compliance with Rule 9510 include, but are not limited to, the following:
- During all construction activities, all diesel-fueled construction equipment including, but not limited to, rubber-tired dozers, graders, scrapers, excavators, asphalt paving equipment, cranes, and tractors shall be California Air Resources Board (CARB) Tier 4 Certified as set forth in Section 2423 of Title 13 of the CCR, and Part 89 of Title 40 of the Code of Federal Regulations (CFR).
- All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. Equipment maintenance records shall be kept onsite and made available upon request by the SJVAPCD.
- The Project applicant shall comply with all applicable SJVAPCD rules and regulations. Copies of any applicable air quality permits and/or monitoring plans shall be provided to the County.
- AIR-2: Operational Emissions Reduction. In accordance with SJVAPCD Rule 9510, a detailed air impact assessment shall be prepared detailing the operational characteristics associated with the Proposed Project. In accordance with this rule, operational emissions of NOx shall be reduced by a minimum of 33.3 percent. (Emissions reductions are in comparison to the Project's operational baseline emissions presented in Table 4.3-3 of this Initial Study.) The Project would demonstrate compliance with Rule 9510, including payment of all applicable fees prior to construction.
  - Based on the findings of the air impact assessment, the applicant shall pay the SJVAPCD a monetary sum necessary to offset the required operational emissions that are not reduced by the emission reduction measures contained in the air impact assessment. The quantity of operational emissions that need to be offset will be calculated in accordance with the methodologies identified in Rule 9510, Indirect Source Review, and approved by the SJVAPCD. Operational emissions reduction methods will be selected under the direction of the SJVAPCD according to the air impact assessment process detailed in, and required by Rule 9510, Indirect Source Review.

#### **Biological Resources**

- **BIO-1:** Conduct Pre-Construction Sensitive Amphibians Surveys. The following shall be conducted prior to initiation of Project construction:
  - Conduct a preconstruction clearance survey for foothill yellow-legged frog within 48 hours prior to the start of construction. If foothill yellow-legged frogs are observed, work would not proceed until consultation with CDFW has taken place, and avoidance measures (such as exclusionary fencing and biological monitoring) would likely be required.

- **BIO-2:** Conduct Pre-Construction Northwestern pond turtle surveys. The following shall be conducted prior to initiation of Project construction:
  - Conduct a preconstruction clearance survey for Northwestern pond turtle within 48 hours prior to the start of construction. If Northwestern pond turtles are observed in the construction zone, a qualified biologist shall relocate the turtle to a location away from the construction zone.
- **BIO-3:** Conduct Pre-Construction Bird Nesting Surveys. The following shall be conducted prior to initiation of Project construction:
  - Conduct a preconstruction nesting raptor and bird survey of all suitable habitat on the Project site within 14 days of the commencement of construction during the nesting season (February 1 August 31). Where accessible, surveys should be conducted within 300 feet of the Project site for nesting raptors and within 100 feet of the Project site for nesting birds.
  - If active nests are found, a no-disturbance buffer around the nest shall be established. The buffer distance shall be established by a qualified biologist in consultation with CDFW. The buffer shall be maintained until the fledglings are capable of flight and become independent of the nest tree, to be determined by a qualified biologist. Once the young are independent of the nest, no further measures are necessary. Pre-construction nesting surveys are not required for construction activity outside the nesting season.
- **BIO-4: Special-Status Mammals Surveys.** The following shall be conducted prior to initiation of Project construction:
  - Conduct preconstruction roosting bat surveys for all suitable roosting habitat (i.e., trees and manmade structures) no more than a year prior to the start of construction activities. If suitable roosting habitat is identified, a qualified biologist will conduct an evening bat emergence survey (within a week or less from the start of construction) that may include acoustic monitoring to determine whether or not bats are present. If bats are found, consultation with CDFW prior to initiation of disturbance of suitable roosting habitat will be required. If bats are not found during the preconstruction surveys, no further measures will be necessary.

#### **Cultural Resources**

CUL-1: Implement Measures to Protect Unanticipated Cultural Resources Discoveries. If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for pre-contact and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately, and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the DGS Real Estate Services Division (RESD) and the California Conservation Corps (CCC). The agencies shall consult on a finding of eligibility and implement appropriate treatment measures, if the find is determined to be an Historical Resource under CEQA, as defined in Section 15064.5(a) of the CEQA Guidelines. Work may not resume within the no-work radius until the lead agency through consultation as appropriate, determine that the site either: 1) is not an Historical Resource under CEQA, as defined in Section 15064.5(a) of the CEQA Guidelines; or 2) that the treatment measures have been completed to their satisfaction.
- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (AB 2641). The archaeologist shall notify the Fresno County Coroner (per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the Coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If RESD does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, RESD must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the nowork radius until the lead agency, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

#### **Geology and Soils**

GEO-1: Discovery of Unknown Paleontological Resources. If any paleontological resources (i.e., fossils) are found during Project construction, construction shall be halted immediately in the subject area and the area shall be isolated using orange or yellow fencing until RESD is notified and the area is cleared for future work. A qualified paleontologist shall be retained to evaluate the find and recommend appropriate treatment of the inadvertently discovered paleontological resources. In addition, in the event of an inadvertent find, sediment samples should be collected and processed to determine the small fossil potential on the Proposed Project Site. If RESD resumes work in a location where paleontological remains have been discovered and cleared, RESD will have a paleontologist onsite to observe any continuing excavation to confirm that no additional paleontological resources are in the area. Any fossil

materials uncovered during mitigation activities should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

#### **Tribal Cultural Resources**

- TCR-1: Implement Measures to Protect Unanticipated Tribal Cultural Resources Discoveries. If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within 100 feet of the discovery. The construction foreman will notify culturally affiliated or consulting tribe(s), who will evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:
  - If the culturally affiliated or consulting tribe(s) determines that the find does not represent a cultural resource, work may resume immediately, and no agency notifications are required.
  - If the culturally affiliated or consulting tribe(s) determines that the find does represent a tribal cultural resource from any time period or cultural affiliation, he or she shall immediately notify RESD, which shall consult on a finding of eligibility. If the find is determined to be a Tribal Cultural Resource under CEQA, as defined in PRC Section 21074(a) though (c) of the CEQA Guidelines, appropriate treatment measures will be implemented. Work may not resume within the no-work radius until RESD, through consultation as appropriate, determines that the site either: 1) is not a Tribal Cultural Resource under CEQA, as defined in PRC Section 21074(a) through (c) of the CEQA Guidelines; or 2) that the treatment measures have been completed to its satisfaction.
  - If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). A professional archaeologist or physical/forensic anthropologist should be notified to assess the remains. If the remains are possibly human, they shall notify the Fresno County Coroner (per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the Coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, RESD must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until RESD, through

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## **ACRONYMS AND ABBREVIATIONS**

AADT	Annual Average Daily Traffic
AB	Assembly Bill
ACM	Asbestos-containing materials
ADA	Americans with Disabilities Act of 1990
ADL	Aerially deposited lead
AIA	Air Impact Assessment
APN	Assessor's Parcel Number
BA	Biological Assessment
BAU	Business as Usual
BIOS	Biogeographic Information and Observation System
BLM	Bureau of Land Management
BMPs	Best Management Practices
BP	Before Present
CAL FIRE	California Department of Forestry and Fire Protection
CalEEMod	California Emissions Estimator Model
CalGreen	California Green Building Standards Code
Caltrans	California Green Building Standards Code  California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Foliution Control Officers Association  California Air Resources Board
CARD	California Building Code
CCC	California Conservation Corps
CCR	
CDFW	California Code of Regulations
	California Department of Fish and Wildlife
Center	California Conservation Corps Auberry Center
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CH <sub>4</sub>	Methane California Highway Patral
CHP	California Highway Patrol
CHRIS	California Historical Resource Information System
City	City of Auberry
CIWM	California Integrated Waste Management
CNDDB	California Natural Diversity Database
CNEL	Community noise equivalent level
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
COMET	Corpsmember Orientation, Motivation, Education, and Training
CRHR	California Register of Historic Places
CRPR	California Rare Plant Rank
CUPA	Certified Unified Program Agency
CVRWQCB	Central Valley Regional Water Quality Control Board
CWA	Clean Water Act
dBA	A-weighted decibels
DGS	Department of General Services
DHS	Department of Health Services

DOC	Department of Conservation
DPM	Diesel particulate matter
DTSC	Department of Toxic Substances Control
DWR	Department of Voxe Substances Control  Department of Water Resources
EDR	Environmental Data Resources, Inc.
EFH	Essential Fish Habitat
EIR	Environmental Impact Report
EO	Executive Order
ESA	
	Endangered Species Act
FCEHD	Fresno County Environmental Health Division
FCOG	Fresno Council of Governments
FHWA	Federal Highway Administration
GHG	Greenhouse Gas
Gpm	Gallons per minute
GWP	Global Warming Potential
НСР	Habitat Conservation Plan
HDM	Highway Design Manual
IS	Initial Study
kWh	Kilowatt hours
LBP	Lead-based paint
L <sub>dn</sub>	Average daily noise levels
LEED	Leadership in Energy and Environmental Design
L <sub>eq</sub>	Average hourly noise level
L <sub>max</sub>	Maximum noise
LOS	Level of service
MBTA	Migratory Bird Treaty Act
MDF	Main Distribution Frame
MLD	Most Likely Descendent
MND	Mitigated Negative Declaration
MPOE	Minimum point of entry
MSL	Mean sea level
MTBE	Methyl tert-butyl ether
N <sub>2</sub> O	Nitrous Oxide
NAHC	Native American Heritage Commission
NCCP	Natural Community Conservation Plan
NHMLA	National History Museum of Los Angeles County
NHPA	National Historic Preservation Act
NMFS	National Marine Fisheries Service
NO <sub>2</sub>	Nitrogen dioxide
NOA	Naturally occurring asbestos
NO <sub>x</sub>	Nitrogen Oxides
NPDES	National Pollutant Discharge Elimination System
NPPA	Native Plant Protection Act
NPS	National Park Service
NRCS	Natural Resources Conservation Service
NRHP	National Register of Historical Places

O <sub>3</sub>	Ozone	
OHP	Office of Preservation	
OPR	California Office of Planning and Research	
PCBs	Polychlorinated biphenyls	
pCi/L	Picocuries per liter of air	
PG&E	Pacific Gas & Electric Company	
PHF	Peak hour factor	
PM <sub>10</sub> and PM <sub>2.5</sub>	Particulate Matter	
PPV	Peak particle velocity	
PRC	Public Resource Code	
Project,	California Conservation Corps, Auberry Center	
Proposed Project	заполни остори, писту сеть	
PV	Photovoltaic	
REC	Recognized Environment Condition	
RESD	Real Estate Services Division	
ROG	Reactive Organic Gas	
RPS	Renewables Portfolio Standard	
RR	Rural residential	
RTP	Regional Transportation Plan	
RWQCB	Regional Water Quality Control Board	
SB	Senate Bill	
SCAQMD	South Coast Air Quality Management District	
Scoping Plan	California 2008 Climate Change Scoping Plan	
sf	Square feet	
SIP	State Implementation Plan	
SJVAB	San Joaquin Valley	
SJVAPCD	San Joaquin Valley Air Pollution Control District	
SO <sub>2</sub>	Sulfur dioxide	
SR	State Route	
SRA	State Responsibility Area	
SSC	Species of special concern	
SSJVIC	Southern San Joaquin Valley Information Center	
SSS	Side street stop	
SUSD	Sierra Unified School District	
SWPPP	Storm Water Pollution Prevention Plan	
SWRCB	State Water Resources Control Board	
TAC	Toxic air contaminant	
TCR	Tribal cultural resource	
TPHd	Total petroleum hydrocarbons as diesel	
USACE	U.S. Army Corps of Engineers	
USC	U.S. Code	
USEPA	U.S. Environmental Protection Agency	
USFS	U.S. Forest Service	
USFWS	U.S. Fish and Wildlife Service	
USGS	U.S. Geological Survey	
UST	Underground storage tank	
	- Shading storage tarik	

VMT	Vehicle miles traveled	
VOC	Volatile organic compound	
ZNE	Zero net energy	

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### SECTION 1.0 BACKGROUND

### 1.1 Summary

Project Title:	California Conservation Corps, Auberry Center
Lead Agency Name and Address:	California Conservation Corps 1719 24th Street Sacramento, California 95816
Contact Person and Phone Number:	Terry Ash, Senior Environmental Planner California Department of General Services Project Management and Development Branch Environmental Section (916) 376-3824
Project Location:	33367 North Auberry Road, Auberry, California 93602.
General Plan Designation:	Mountain Urban
Zoning:	Rural Residential (RR)

#### 1.2 Introduction

The California Conservation Corps (CCC) is the Lead Agency for this Initial Study. DGS on behalf of CCC prepared the initial study to identify and assess potential environmental impacts of the proposed Auberry Center Project. This document has been prepared to satisfy the California Environmental Quality Act (CEQA) (Public Resources Code [PRC], Section 21000 et seq.) and State CEQA Guidelines (14 Code of California Regulations [CCR] 15000 et seq.). CEQA requires that all state and local government agencies consider the environmental consequences of projects over which they have discretionary authority before acting on those projects. A CEQA Initial Study is generally used to determine which CEQA document is appropriate for a project (Negative Declaration, Mitigated Negative Declaration [MND], or Environmental Impact Report [EIR]).

In accordance with CEQA, this Initial Study (IS)/MND will be circulated for a 30-day public review and comment period. Written comments on the Draft IS/MND should be submitted to:

Ms. Terry Ash, Senior Environmental Planner cc: Matteo Rodriquez 2525 Warren Drive Rocklin, CA 95677

## SECTION 2.0 PROJECT DESCRIPTION

### 2.1 Project Background

The California Conservation Corps is a department within the California Natural Resources Agency. It provides young men and women 18-25 years old one year of paid service to the State of California and educational opportunities. During their year of service, "Corpsmembers" work on environmental projects and respond to natural and manmade disasters. Through this work, they gain skills and experience that lead to meaningful careers. The CCC is organized into northern and southern California regions. The Auberry Center will be in the southern region when the Proposed Project is complete.

The CCC has more than two dozen residential and nonresidential locations throughout the state and is the only state program with year-round residential centers. District Service Centers help Corpsmembers tackle more than 900 projects annually, with more than 2,400,000 hours worked, generating more than \$26 million. These facilities support the mission of the CCC, and the revenue stream generated from its activities.

The Auberry CCC Center has been designed to meet the following specific requirements:

- Minimum Net Area of 16.5 Acres
- Two points of ingress/egress from a major roadway and outside of any 100-year flood plain, as established by the Federal Emergency Management Agency

The Project is proposed at the former Auberry Elementary School located at 33367 North Auberry Road in the unincorporated community of Auberry in Fresno County (see Figure 2-1. *Project Vicinity* and Figure 2-2. *Project Location*). The Auberry Elementary School was originally constructed in 1939. The Sierra Unified School District (SUSD) was forced to close the school in 2012 due to a declining student population.

### 2.2 Project Purpose and Objectives

The Project's purpose and objective is to renovate the existing dilapidated elementary school with an upgraded, modern facility that will allow the CCC to better fulfill its mission and objectives in the region. To accomplish this, the CCC Auberry Residential Center (Auberry Residential Center, Center, or Proposed Project) is proposed. The Proposed Project would provide for a new residential, training, and operations facility for approximately 90 Corpsmembers and 26 staff in the town of Auberry.

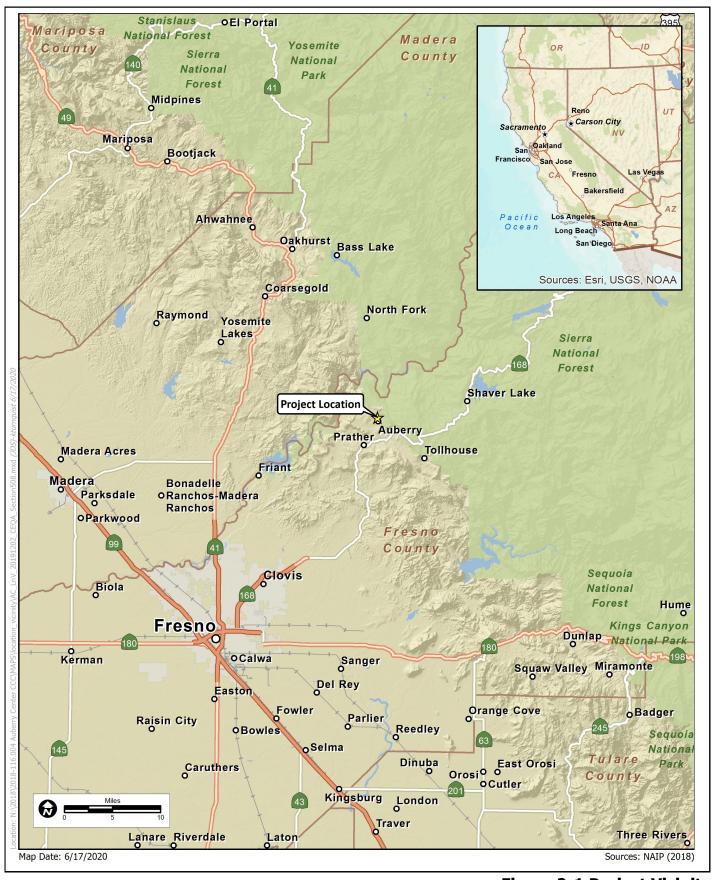




Figure 2-1 Project Vicinity 2018-26.003 CCC Auberry Center





**Figure 2-2 Project Location** 2018-26.003 CCC Auberry Center

### 2.3 Surrounding Land Use and Environmental Setting

The Proposed Project is located on a 17.7-acre parcel at 33367 Auberry Road, Auberry, California (Project site). The Project site is on hilly terrain with shuttered buildings, ballfields, and school grounds that are no longer maintained (see Figure 2-3. *Representative Site Photographs*). The Project site is located west of the intersection of Auberry Road and Powerhouse Road in the unincorporated town of Auberry in Fresno County. Facilities utilized by the Auberry Volunteer Fire Department are located near the northeast corner of the site, along Auberry Road. The Auberry Volunteer Fire Department entered into a Right of Entry permit with the State and will eventually enter into a lease with the State. This use will remain following the implementation of the Proposed Project.

On the southern boundary of the site along Auberry Road, is a small park that includes playground equipment. The fence is closed and locked; however, the park appears to be actively used by the community. This area is not part of the Project. The southern and western boundaries of the property are defined by a seasonal creek known as Little Sandy Creek. The northern property boundary is a fence line. Auberry Road borders the site on the eastern side.

The surrounding land uses include Mount Ararat Mobile Home Park to the north, rural residential uses with undeveloped grey-oak woodland and rangeland to both the east and west, and a mix of commercial and residential uses along Auberry Road to the south of the Project site.

The approximate elevation of the Project site ranges between 1,950 feet above mean sea level (AMSL) and 2,025 feet AMSL. The Project area is characterized by a Mediterranean climate that is moderated by the Pacific Ocean. The climate is generally mild with warm days and cool nights, with summer average July high and low temperatures of 94- and 67-degrees F and winter average December high and low temperatures of 54- and 36-degrees F. The average annual rainfall in the area is approximately 26.3 inches (U.S. Climate Data, 2019). The area supports natural habitats including oak-gray pine woodland, riparian and rangeland (ECORP 2019).

#### 2.4 Project Characteristics

#### 2.4.1 Project Components and Facilities

The Proposed Project Site Plan is shown in Figure 2-4. *Site Plan*, and a description of each component follows.



Center of site, looking northeast toward mess hall.



Looking north toward existing warehouse, adjacent to driveway.



View from driveway looking west toward dormitory buildings.



Looking northeast toward the mess hall from southern portion of the Project site.



Figure 2-3. Representative Site Photographs

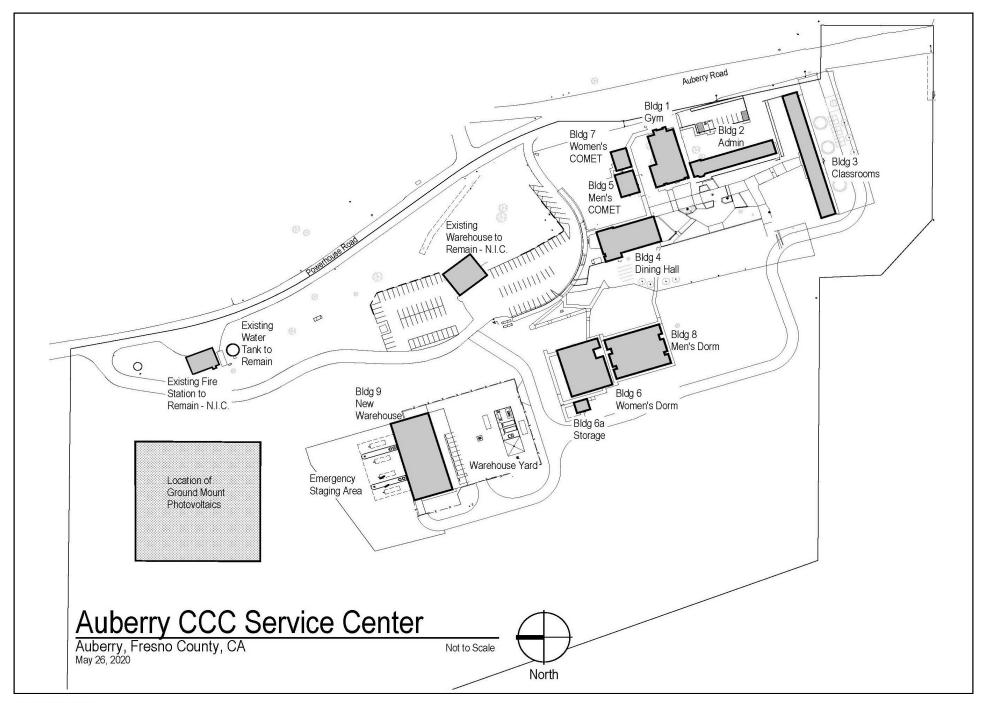




Figure 2-4. Site Plan

#### 2.4.1.1 Access, Circulation, and Parking (Existing and New Improvement)

Access to the CCC facility will be provided from the east side of the Project site, where it connects to Auberry Road. One primary entry point and a separate exit point are proposed to ensure safe and straightforward circulation for Corpsmembers, staff, and visitors. The entrance is located near the center of the site. This entrance accesses an internal driveway that turns to the north and connects to the exit on Powerhouse Road (near the northeast corner of the site adjacent to and north of the Auberry Volunteer Fire Department facilities). Both of these ingress/egress points and the internal connecting driveway are current features of the Project site. Improvements to parking along the existing internal roadway are part of the Proposed Project. Both ingress/egress points will be controlled through an operable gate with remote access, which will require placement no closer than 40 feet between the edge of the street and the gate. The parking lot is intended for all support staff, and up to 40 percent of the Corpsmembers.

Additional service and visitor parking will be developed along Auberry Road adjacent to the multipurpose and administration buildings and a loading zone will also be provided. Electrical vehicle charging stations will also be provided at several parking stalls nearest the administration building. Secondary access will be provided by a new fire access (only) lane that will access the site from Auberry Road at the southern end of the property and loop around the western boundary of on-site structures before connecting with the new warehouse and the internal driveway (see Figure 2-4).

#### 2.4.1.2 Emergency Staging Area (New Improvement)

Throughout the year, crews from various California emergency response organizations may use the CCC's service centers as a staging area. To accommodate this function onsite, the staging area will be located behind the warehouse and will include four recreational vehicle (RV)-hookups. This staging area will be surfaced with Class II aggregate base over compacted subgrade and will accommodate up to four large vehicles with restroom trailers. It will be designed to accommodate turning radii of large vehicles with trailers and there will be two raised curb areas with a trailer fill station and dumping station.

#### 2.4.1.3 Warehouse Yard (New Improvement)

A warehouse yard will be used as the staging area for crews heading out to their projects. The warehouse yard will be accessible via the facility entrances and will be located in the center of the CCC facility. The yard will primarily be paved with asphalt concrete, except for crew vehicle parking, where concrete will be used for durability and lower maintenance. A central services core will be in the center of the yard, where crews can fuel their vehicles, unload waste and hazmat material, and wash their vehicles. The warehouse yard will include its own perimeter fencing within the campus itself for operational security. Vehicular and pedestrian access gates will control entry into the yard. The approximate 12,335- sf warehouse yard will be located in the northern portion of the Project site, south of and adjacent to the proposed solar array.

Crewmembers also require a place to clean their tools. Covered tables will be located along the eastern outside edge of the warehouse to accommodate this need. Fuel from chainsaws, cleaning agents, and other byproducts of this cleaning process will be collected and contained in a dedicated storage system. Similarly, to prevent contaminants from crew vehicles from entering the storm drain system, a treatment equipment collection/storage system (oil/water separator) will be located at the outdoor vehicle wash bay. The warehouse yard will also include an aboveground storage tank for unleaded fuel.

#### 2.4.1.4 Warehouse (Existing Building)

The existing 12,335 sq. ft. warehouse will be used for storage and vehicle maintenance and will facilitate crew meetings for briefing and debriefing before and after work projects. Crews will use this building as a meeting location in the mornings for preparing and cleaning tools, clothing and materials for work projects. The warehouse building will receive vehicular and pedestrian traffic both at the beginning and end of each day. It will have maximum visibility throughout the building and surrounding yard to prevent any potential incidences and provide means for passive security controls.

The existing warehouse will remain as it is and will be renovated by Corpsmembers after the completion of the Proposed Project.

#### 2.4.1.5 Photovoltaic Solar Array (New Improvement)

An approximate 45,000-sf ground-mounted Photovoltaic (PV) system solar array will be included on the Project site; however, this improvement will be included under a Power Purchase Agreement as a separate project. The PV system will consist of panels mounted on low structures for ease of cleaning and maintenance. All interconnecting wiring, inverters, and combiner panels will be designed for 480 VAC interconnections to the existing medium voltage service.

#### 2.4.1.6 Mess Hall (Remodeled Building)

The mess hall will include space for food preparation, storage, serving, dining, and restrooms for up to 90 Corpsmembers, plus staff and visitors. The food preparation area will include a walk-in refrigerator and freezer, two large refrigerators—one intended for dining hall meals and one for work project meals, where crews will receive them before heading out to projects. A covered seating area will be provided outside of the dining area and will accommodate up to 40 percent of the 90 Corpsmembers. This canopy will be constructed out of metal stud framing and asphalt shingles. The mess hall building will also feature weight, television, reading, music, laundry, and gaming rooms, as well as restrooms and storage facilities (on the first level).

The space next to the mess hall will be comprised of a garbage storage area, surrounded on three sides by a five-foot-high masonry wall with a grease interceptor drain, a trash compactor unit, wet trash, recycling, and composting bins. A loading zone will include an area for receiving, unloading, and storing goods.

#### 2.4.1.7 Corpsmember Dormitories (Remodeled Buildings)

The Auberry Center is designed to accommodate the housing of 90 Corpsmembers. The CCC provides a 24-hour-per-day residential operation, including sleeping accommodations. The women's dormitory accommodates 26 women with an additional 12 beds for personnel overflow for additional Corpsmembers or for other fire crews that may stay seasonally. The men's dormitory accommodates 52 men. The dormitories are located north of the outdoor recreation areas near the center of the facility. Each existing building will be renovated and will include one main entrance facing the outdoor recreation areas, with an exit only door located at the back of the building. Corpsmembers will prepare for, report for, and be transported to project worksites from these housing buildings after morning exercise and dining activities. At the end of the workday, Corpsmembers return to the facility to bathe, prepare for

dining, attend evening classes, and participate in recreational activities. Each Corpsmember is provided with a mattress and linens on a built-in bed with storage space, closet, desk, centralized bathrooms, shower, lavatories and a drinking fountain. The 480 square foot existing bathrooms located behind the dormitories will be renovated to a storage area.

#### 2.4.1.8 COMET Buildings (One Remodeled Building, One New Building)

Before applicants become official Corpsmembers, they go through initial orientation and training. This intensive session is called Corpsmember Orientation, Motivation, Education, and Training (COMET). COMET usually takes place monthly and requires trainees to have separate housing from the active Corpsmembers. The COMET housing building includes two large sleeping quarters (one for men's and one women's) with bunk beds for up to 32 people and accompanying restrooms and showers. Each dormitory would provide sleeping quarters for up to 16 Corpsmembers. COMET housing is located adjacent to the mess hall and multipurpose building toward the southern and eastern end of the Project site. Emergency crews may also use available space located in the COMET dormitories for temporary housing during natural disaster events.

#### 2.4.1.9 Multipurpose Building (Remodeled Building)

An approximate 5,077-sf multipurpose building extends north and west of the administration building. The multipurpose building will be a centralized meeting area for physical training and will include a full-size basketball court and an outdoor shade structure with tables and benches where Corpsmembers can meet for social activities, games, physical training, instruction, and entertainment. During regional emergencies, the indoor court will be made available to California emergency response crews, where temporary sleeping areas will be set up.

#### 2.4.1.10 Administration Building (Remodeled Building)

The approximately 3,882-sf administration building would be in the southeast portion of the development area near the Center's main entrance and visitor parking. The administration building includes a reception area, offices for the District and Business Services Directors and staff, a conference room, workstations, records room, and restroom. The administration building is where Corpsmembers, civil service supervisory staff, project sponsors, vendors, parents, and general visitors are welcomed. This area will see much interaction with the pertinent field District office (supervises operations of several centers and/or satellite locations), and headquarters staff. The building will house senior staff members and clerical personnel and will include a conference room. Typical staffing may include, but is not limited to: Center Director, Conservation Supervisor, Project Coordinator, Business Service Officer, Analysts and Office Technicians and/or Office Assistants. The intent of this building is to allow staff to provide day-to-day program administration, project management, procurement, personnel management, training, Corpsmember counseling, sponsor development and coordination, and fleet administration.

#### 2.4.1.11 Education Buildings (Remodeled Buildings)

The southern end of the site would accommodate two education buildings, totaling nearly 6000 sf. The education buildings include three offices, three training rooms, a computer lab, library, restrooms, storage and support facilities. The training rooms, library, and computer lab will include mobile furniture.

Section 14402 of the California PRC directs the Corps to "give priority to providing an educational component for Corpsmembers who have not completed high school. The component shall be equal in content to a high school curriculum and provide course credits leading to a high school diploma or its equivalent." Corpsmembers participating in these courses will utilize non-project work times and evenings. When non-Section 14402 courses are in session, this facility will be utilized for Corpsmember training activities, as well as additional staff office functions. The intent is to provide flexible space to facilitate the educational component of the CCC program.

#### 2.4.1.12 Project Statistics

All proposed buildings and facilities and related approximate square footages are listed in Table 2.4-1. All buildings would be designed to meet the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Silver rating requirements in order to attain the highest possible energy efficiency and may include zero net energy (ZNE) pursuant to the Governor's Executive Order (EO) B-18-12; however, registration and certification for these ratings will not be pursued.

Table 2.4-1. Project Statistics

Proposed Buildings and Facilities	Area Occupied
Project Site	17.7 acres
Administration Building [remodel]	3,882 sf
COMET Dormitory (Men) [remodel]	1,421 sf
COMET Dormitory (Women) [new]	841 sf
Dormitory (Men) [remodel]	7,691 sf
Dormitory (Women) [remodel]	6,334 sf
Education Buildings [remodel]	2,977 sf and 2,877 sf
Emergency Crew Vehicle Staging Area [new]	7,500 sf
Mess Hall [existing]	8,099 sf
Multipurpose Building [remodel]	5,077 sf
Warehouse Yard [existing]	10,000 sf
Storage Building [remodeled bathroom]	480 sf

Total Building Area: 58,000 sf (approximately)

#### 2.4.2 Avoidance Areas

There are no wetlands or waters onsite, however, Little Sandy Creek is adjacent to the western Project site boundary. The Proposed Project will include a 100-foot setback from Little Sandy Creek.

#### 2.4.3 Utilities

#### 2.4.3.1 Water

The Project site is not in proximity to a public water system and it appears infeasible to extend service to the Project site. Four wells are currently located on the site. Representatives from Sierra Unified School District (SUSD) stated that only two of these (Well #2 and Well #4) are used, and that their pumps were replaced in 2015. Well #2 pumps approximately 60 gallons per minute (gpm) and Well #4 produces approximately 40 gpm for a combined capacity of 100 gpm. Well #1 and Well #3 do not have pumps. This water is then pumped to a 45,000-gallon water tank adjacent to the fire station. From there, the domestic water runs to a hydro-pneumatic storage tank and booster pump. Fire water is supplied on a separate line directly from the water tank. This water tank is shared with the adjacent fire department, which fills its fire engine tank prior to fire calls. The Proposed Project will replace the existing/aging water tank with a new 240,000-gallon tank.

#### 2.4.3.2 Wastewater/Septic

The Project site is not served by a sewer district, and both the Project site and surrounding area are served by septic systems. The Project site has multiple septic systems, which are still maintained and are not used by the fire department. The septic system has been utilized a few times per year to maintain it since the school was closed. Wastewater will be disposed of via a leach field. A well-designed leach field has a lifespan of approximately 30 years. There are several existing leach fields on the property. Leach field #1 was installed around 1970 with the auxiliary restroom. The size and date of installation of leach field #2 is unknown. Leach field #3 is smaller and serves the eastern classroom building.

The location and size of the new septic system was determined using the 2016 California Building Code and Table H201.1(2) of the 2016 Plumbing Code. The changing demands of the Project site created by the Proposed Project warrant changes to the septic system. Therefore, it is recommended to abandon and remove all existing leach fields and septic tanks. A new approximately 5,000-gallon septic tank will be installed, and existing septic tanks will be removed. A new leach field will be developed to the south of the dormitories. According to maps provided by the *Web Soil Survey* (NRCS2019), the predominant soil in the area is Visalia Sandy Loam. This is a sandy clay composed of approximately 70% sand, 15% clay and well drained. Based on this information, an estimate of 40 square feet of leaching area per 100 gallons was used. The maximum absorption capacity was assumed to be 2.5 gallons per square feet of leaching area per day. In order to treat the effluent stream, a leaching area of 3,600 square feet will be necessary.

#### **2.4.3.3** Electric

Pacific Gas & Electric Company (PG&E) will provide electric service to the Project site.

#### 2.4.3.4 Internet and Cable TV

High-speed data infrastructure will be provided throughout the site to support data and voice communication needs. The new underground service to the site will be routed to a new main point of entry in the administration or multipurpose building. Telecom/data cabling to each building will be extended via underground conduit from the Minimum Point of Entry (MPOE)/Main Distribution Frame (MDF) room to a data closet in each building. In addition to fixed wiring systems, wireless access points

will be provided within each building to support the business and educational needs of the facility. Cable TV service shall be provided to the site via underground conduits routed to the MPOE/MDF room. Cable TV service will be distributed to the dormitories, education buildings, administration building, recreation building and multipurpose building via underground conduits.

#### 2.4.3.5 Natural Gas

The Project site will use propane for the kitchen and future generator usages.

#### 2.4.4 Personnel

CCC Auberry Center staffing is expected to total approximately 26 persons and include those personnel listed in Table 2.4-2. The number of staff onsite would vary throughout the year depending on seasonal needs as well as major fire and other emergency events.

Table 2.4-2. Operations and Personnel Staffing by Building

## **Administration Building** Open 8:00 a.m. - 5:00 p.m. Monday-Friday 7-10 public visitors per day Full Time Staff (8 hours or more): 6 Part Time Staff (less than 8 hours): 0 Corpsmembers (daily average):7 **Education/Recreation Building** Full Time Staff (8 hours or more): 10 Part Time Staff (less than 8 hours): 0 Corpsmembers (daily average): 60 **Multi-Purpose Building** Full Time Staff (8 hours or more): 2 Part Time Staff (less than 8 hours): 0 Corpsmembers (daily average): 80 Warehouse Building Full Time Staff (8 hours or more): 8 Part Time Staff (less than 8 hours): 0 Corpsmembers (daily average): 60 **Dorm Building (6 Total)** Residents (8 hours or more): 80 Part Time Staff (less than 8 hours): 0 **COMET Building** Residents (8 hours or more): 18 for up to 30 days 2-4 times per year. Part Time Staff (less than 8 hours): 0

#### 2.4.5 Operations

Typical Auberry Center operations are described below.

#### 2.4.5.1 Administration

The Auberry Center administration building would serve as the hub of Center activities and would be open to the public from 8:00 a.m. to 5:00 p.m. Monday through Friday. The administration building would be staffed by six full-time employees and would see seven to 10 public visitors, on average, per day.

#### 2.4.5.2 Warehouse and Crew Operations

Corpsmember field operations consists of 6 crews of 15 Corpsmembers each. Crews typically load and unload service truck tools, equipment and supplies at the warehouse and in the staging area in front of the warehouse. Crews typically depart the Center at 7:30 a.m. for field operations in two vehicles per crew (a crew carrying vehicle accompanied by pickup truck with trailer) and return at 4:30 p.m. Fueling, power washing, training, and maintenance of vehicles, trailers, chain saws and other small gas-powered equipment also occurs in front of the warehouse and along the western boundary of the gated warehouse parking area. This area also accommodates trash receptacles and a hazardous materials storage area.

#### 2.4.5.3 Education

Classroom training for Corpsmembers typically occurs Monday-Friday between the hours of 7:00 a.m. and 9:00 p.m. Corpsmembers reside onsite while some instructors drive to the Center from offsite locations. The type and duration of typical training activities is summarized below:

- John Muir Charter School Monday-Thursday 1:00 p.m. to 9:00 p.m. and Friday 8:00 a.m. to 5:00 p.m.
- Career Training once per week 11:00 a.m. to 3:00 p.m.
- Navigator Class once per week 6:00 p.m. to 9:00 p.m.
- Conservation Awareness Class once per week 5:00 p.m. to 9:00 p.m.
- Computer Lab Class once per week; 5:00 p.m. to 9:00 p.m.
- COMET Training (boot camp) monthly; Monday-Friday 7:00 a.m. to 7:00 p.m. for 75 hours
- Flood Training eight times per year; Monday-Friday 8:00 a.m. to 6:00 p.m. for 14 hours
- Boating and Waterway Training monthly; 7:00am to 7:00pm for 10 hours
- Chain Saw Training quarterly; Monday-Friday 8:00 a.m. to 5:00 p.m. for 40 hours
- HAZWOPER Training annually; Monday-Friday 8:00 a.m. to 5:00 p.m. for 40 hours
- Blue Card Training (class B license) six times per year for 12 hours
- Tree Climbing Training twice monthly; Monday-Wednesday 8:00 a.m. to 5:00 p.m. for 24 hours
- Fire Training twice monthly; Monday-Friday 8:00 a.m. to 5:00 p.m. for 40 hours

#### 2.4.5.4 Multipurpose Building

The multipurpose building, which includes an exercise facility, would be operated primarily Monday-Friday from 4:30 a.m. to 10:00 p.m. and 7:00 a.m. to 10:00 p.m. on the weekends. Additional informal use would occur as well. During emergency events, the multi-purpose building sport court could be used for temporary worker shelter.

#### 2.4.5.5 Dormitories and COMET Buildings

Dormitories would typically house Corpsmembers 24 hours per day, year-round. The COMET building would be used for overflow Corpsmember housing during emergency events when additional personnel are on site. COMET building housing is expected to be used six times per year for one month per use.

#### 2.4.5.6 Outdoor Onsite Training

Flood and firefighting emergency preparation and training activities typically occur in and around the warehouse and vehicle/trailer parking area. This can include operation of fire extinguishers and firefighting apparatuses as well as small gas-powered equipment such as chainsaws, air compressors, and generators.

#### 2.4.5.7 Deliveries

Various deliveries (such as U.S. Postal Service, UPS, and Federal Express) are likely to occur daily. In addition, solid waste pickup occurs once per week and food deliveries occur approximately twice per week. Mail and overnight deliveries are typically received at the administration building, equipment supplies are received at the warehouse, and kitchen/food supplies will be received at the rear of the multipurpose building.

#### 2.4.5.8 Onsite Public Address System

A loudspeaker public address system may be included as part of the project to alert onsite personal of possible fire alarms and other important information. The speaker system would only be placed at outdoor activity areas where personnel typically gather and will be designed so as not to be audible offsite.

#### 2.5 Construction Schedule and Approach

#### 2.5.1 Schedule

Project construction activities are anticipated to begin in 2022, with an anticipated facility operational date in late 2024. Construction activities would take place between 6:00 a.m. and 9:00 p.m. on weekday (when necessary), or between the hours of 7:00 a.m. and 5:00 p.m. on Saturday or Sundays. Construction would consist of the following primary phases.

Phase 1: Mobilization and Site Layout. The construction team would set up the construction site, including perimeter fencing, and implement initial construction BMPs (such as fencing environmentally sensitive areas).

- Phase 2: Civil Site Preparation and Receipt of Construction Materials. The construction team would conduct minor grading to smooth and contour the site, construct access roads, install underground utilities, and prepare building sites. Materials needed for project construction would be received and stored onsite within construction staging areas.
- Phase 3: Signage and Demobilization Activities. Finishing work such as signage would be installed. The construction team would conduct post-construction site restoration, including site cleanup activities, removal of any temporary facilities, and implementation of post-construction best management practices (BMPs).

#### 2.5.2 Grading

Grading is expected to be minimal as only two new buildings are being built in addition to the remodels. Grading would consist of cuts and fills to smooth new development areas (i.e., warehouse, warehouse yard, emergency crew vehicle staging area) and ensure positive drainage throughout the Project site. No import or export of soil is anticipated. It is expected that grading would be accomplished using the conventional grading equipment listed in Table 2.5-1. Scrapers would cut and transport onsite soil within the Project site. Finish grading would be achieved by motor graders (blades) and skip loaders. Material excavation and compaction activities would primarily be required to install roads to meet fire and safety requirements. Throughout grading operations, water trucks would provide water to the site to achieve the proper moisture content for compaction and dust suppression. During times of excessive wind, grading would be stopped to control dust generation.

Underground utilities would be installed using standard underground utility trenching methods. Trenches would be excavated by hand or by a backhoe or similar excavation equipment. Underground utility placement would begin immediately following trench excavation, followed by back fill and compaction.

Grading, Underground and Road Construction PhaseBuilding Construction Phase3 Rubber Tired Dozers1 Crane4 Tractors/Loaders/Backhoes3 Forklifts1 Excavator1 Generator Set1 Grader3 Tractors/Loaders/Backhoes2 Pavers1 Welder2 Paving Equipment1 Air Compressor2 Rollers

**Table 2.5-1. Construction Equipment List** 

### 2.6 Regulatory Requirements, Permits, and Approvals

This Initial Study provides the environmental information and analysis and primary CEQA documentation necessary for the CCC to adequately consider the effects of the proposed construction project. CCC, as lead agency, has the approval authority and responsibility for considering the environmental effects of the Proposed Project.

The following approvals and regulatory permits required for implementation of the Proposed Project can be found in Table 2.6-1.

Table 2.6-1. Regulatory Permits and Approvals

Organization or Issue	Approval or Permit
California Conservation Corps	Adopt IS/MND and Project Approval
State Water Resources Control Board (SWRCB)	National Pollutant Discharge Elimination System (NPDES) permit, Construction Storm Water General Permit (including the development and implementation of a Storm Water Pollution Prevention Plan (SWPPP) and BMPs.
State Fire Marshal; State Architect	Approval for Americans with Disabilities Act of 1990 (ADA), structural review and fire suppression and code compliance review.

<sup>\*</sup> The Proposed Project would be located on State-owned property and would remain a State-owned and operated facility. As such, the property would not be within permitting jurisdiction of Fresno County and permits for planning and building activities are not required.

### 2.7 Consultation with California Native American Tribe(s)

The following California Native American tribes traditionally and culturally affiliated with the Project area have been notified of the Project. On March 10, 2019, CCC determined that it had a complete Project description and they were ready to begin review under CEQA. Because no tribes sent General Request Letters, no notifications were mailed in accordance with PRC § 21080.3.1(d) o and no tribes were consulted. A summary of the consultation process is provided in *Section 4.18 Tribal Cultural Resources* of this Initial Study.

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# SECTION 3.0 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED AND DETERMINATION

# 3.1 Environmental Factors Potentially Affected

The environmental factors ch	necked below would b	e potentially affe	cted by this project,	involving at least
one impact that is a "Potenti-	ally Significant Impact	" as indicated by	the checklist on the	following pages.

Aesthetics	Hazards	/Hazardous Materials	Recreation			
Agriculture and Forestry Resources	Hydrolo	gy/Water Quality	Transportation			
Air Quality	Land Us	e and Planning	Tribal Cultural Resources			
⊠ Biological Resources	☐ Mineral Resources ☐ Utilities and Service Systems					
Cultural Resources	☐ Noise		Wildfire			
Energy	Naleonte	ological Resources	Mandatory Findings of Significance			
Geology and Soils	Populat	ion and Housing				
Greenhouse Gas Emissions	Public S	ervices				
<b>Determination</b> On the basis of this initial evaluation:  I find that the Project COULD NOT have a	a significant ef	fect on the environmer	nt, and a NEGATIVE			
DECLARATION will be prepared.  I find that although the Project could have the co	-					
significant effect in this case because revi proponent. A MITIGATED NEGATIVE DEC		-	by or agreed to by the project	Х		
I find that the Project MAY have a signific REPORT is required.	ant effect on	the environment, and a	IN ENVIRONMENTAL IMPACT			
I find that the Project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.						
I find that although the Project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the Project, nothing further is required.						
AGENCY REP NAME TITLE		Date				

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# SECTION 4.0 ENVIRONMENTAL CHECKLIST AND DISCUSSION

## 4.1 Aesthetics

# 4.1.1 Environmental Setting

Fresno County has a diverse visual landscape that gradually changes from east to west. Starting from the east are the Sierra Nevada, which are rich in coniferous forests and provide scenic views of the varied topography. There are several large reservoirs such as Millerton, Huntington, and Shaver lakes scattered throughout the Sierra, which provide recreational as well as scenic opportunities. The San Joaquin and Kings rivers, which originate high in the Sierra Nevada, are the county's two major rivers. Two scenic highways, State Route (SR) 168 and SR-180, extend down from the Sierras and terminate in the Eastside Valley area. In addition, there are several scenic drives that wind their way through the Sierra and Sierra Foothill areas. The county's built-out environment is located throughout the valley, and much of it is located along the Highway 99 corridor. Agricultural lands consisting of orchards, vineyards, ranches, and various row crops start on the fringe of these communities and extend to cover much of the valley floor. These large farms provide a sense of open space, emphasize the county's rural and farming heritage, and allow motorists opportunities for unrestricted panoramic views. The Coastal Foothills, containing gentle rolling hills with scattered oak trees, extend westward past Interstate 5 (Fresno County 2020).

# 4.1.1.1 Project Site Visual Setting

A discussed in the Project Description, the Proposed Project is located on a 17.7-acre parcel at 33367 North Auberry Road, Auberry, California. The Project site is characterized by hilly terrain with shuttered buildings, ballfields, and school grounds that are no longer maintained (see Figure 2-3). The Project site is located west of the intersection of Auberry Road and Powerhouse Road in the unincorporated town of Auberry within Fresno County. Facilities utilized by the Auberry Volunteer Fire Department are located near the northeast corner of the site, along Powerhouse Road. There is a small park that includes playground equipment on the southern boundary of the site along Auberry Road, but the area is not part of the Project. The southern and western boundaries of the property are defined by a seasonal creek known as Little Sandy Creek. The northern property boundary is a fence line. Auberry Road and Powerhouse Road borders the site on the eastern side. The surrounding land uses include Mount Ararat Mobile Home Park to the north, rural residential uses with undeveloped grey-oak woodland and rangeland to both the east and west, and a mix of commercial and residential uses along Auberry Road to the south of the Project site.

From a development standpoint, Auberry's visual setting is representative of a small-town' character which is reflected in the spacing and design of its residences and commercial buildings. The most prominent offsite views of the Project site are from Auberry Road and Powerhouse Road to the east and the Auberry Volunteer Fire Department facilities to the north. A riparian corridor and trees line the north, west, and southwest boundaries of the site, thereby filtering views of the Project site from adjacent parcels.

# 4.1.2 Regulatory Setting

# 4.1.2.1 Fresno County General Plan 2020 Update

According to the Fresno County General Plan 2020 Update, the physical environment is a key component in planning for future county growth since it contributes directly to the perceived desirability of the county as a place to live, work, and visit. This, in turn, has consequences for the economic vitality of the county since it affects the types and quantity of businesses and residents that ultimately will settle in Fresno County. The General Plan identifies the following policies to minimize visual impacts of land development.

#### Scenic Resources

- Policy OS-K.1 The County shall encourage the preservation of outstanding scenic views, panoramas, and vistas wherever possible. Methods to achieve this could include encouraging private property owners to enter into open space easements for designated scenic areas.
- Policy OS-K.2 The County shall identify and map significant scenic resources within the County and shall develop a program to manage these resources.
- Policy OS-K.3 The County should preserve areas of natural scenic beauty and provide for public access to scenic vistas by purchasing sites for park use.
- Policy OS-K.4 The County should require development adjacent to scenic areas, vistas, and roadways to incorporate natural features of the site and be developed to minimize impacts to the scenic qualities of the site.

## Scenic Roadways

- Policy OS-L.1 The County designates a system of scenic roadways that includes landscaped drives, scenic drives, and scenic highways.
- Policy OS-L.2 The County shall manage designated landscaped drives and adjacent land based on the following principles:
  - a) Maintenance and improvement of landscaped drives should be directed toward preserving and enhancing the quality of the landscape within the right-of-way. Where deemed necessary or desirable, the Board of Supervisors should, by resolution, assume responsibility for maintenance and improvement of landscaped drives; and
  - b) Development of land adjoining landscaped drives should be planned and designed to preserve the quality and integrity of the roadside landscape.

- Policy OS-L.3 The County shall manage the use of land adjacent to scenic drives and scenic highways based on the following principles:
  - a) Timber harvesting within or adjacent to the right-of-way shall be limited to that which is necessary to maintain and enhance the quality of the forest;
  - b) Proposed high voltage overhead transmission lines and towers shall be routed to minimize detrimental effects on scenic amenities visible from the right-of-way;
  - c) Installation of signs visible from the right-of-way shall be limited to business identification signs, onsite real estate signs, and traffic control signs necessary to maintain safe traffic conditions. All billboards and other advertising structures shall be prohibited from location within view of the right-of-way;
  - d) Intensive land development proposals including, but not limited to, subdivisions of more than four lots, commercial developments, and mobile home parks shall be designed to blend into the natural landscape and minimize visual scarring of vegetation and terrain. The design of said development proposals shall also provide for maintenance of a natural open space area 200 feet in depth parallel to the right-of-way. Modification of the setback requirement may be appropriate when any one of the following conditions exist
    - 1. Topographic or vegetative characteristics preclude such a setback;
    - 2. Topographic or vegetative characteristics provide screening of buildings and parking areas from the right-of-way;
    - 3. Property dimensions preclude such a setback; or
    - 4. Development proposal involves expansion of an existing facility or an existing concentration of uses.
  - e) Subdivision proposals shall be designed to minimize the number of right-of-way access drives;
  - Developments involving concentration of commercial uses shall be designed to function as an integral unit with common parking areas and right-of-way access drives; and
  - g) Outside storage areas associated with commercial activities shall be completely screened from view of the right-of-way with landscape plantings or artificial screens which harmonize with the natural landscape.
- Policy OS-L.4 The County shall require proposed new development along designated scenic roadways within urban areas and unincorporated communities to underground utility lines on and adjacent to the site of proposed development or, when this is infeasible, to contribute their fair share of funding for future undergrounding.

- Policy OS-L.5 The County road improvement projects involving designated scenic roadways shall be constructed to ensure that consideration is given to preservation of ornamental trees consistent with public safety standards and accepted road design.
- Policy OS-L.6 The County shall request city, State, and Federal agencies to maintain County-designated landscaped drives, scenic drives, and scenic highways under their jurisdictions in a manner consistent with the goals and policies in this section.
- Policy OS-L.7 The County shall encourage the State of California to landscape urban freeway and highway routes which pass through Fresno County. Policy OS-L.8 The County shall encourage cities within Fresno County to develop complementary policies and principles to enhance the visual qualities of streets and highways within their boundaries.
- Policy OS-L.9 The County shall work with the Department of Transportation to pursue scenic highway designation from the State of California for the State highway segments eligible for such designation.
- Policy LU-B.11 The County shall require that new development requiring a County discretionary permit be planned and designed to maintain the scenic open space character of rangelands including view corridors of highways. New development shall utilize natural landforms and vegetation in the least visually disruptive way possible, and use design, construction and maintenance techniques that minimize the visibility of structures on hillsides, ridgelines, steep slopes, and canyons.

#### 4.1.2.2 State Scenic Highways

The California Department of Transportation (Caltrans) administers the California Scenic Highway Program, which is the only official program in Fresno County designed to protect and enhance scenic/visual resources. The goal of the California Scenic Highway Program is to preserve and enhance the natural beauty of California. The program develops and implements a scenic corridor protection program containing five accepted land use planning standards. A legislatively- appointed body, the Departmental Transportation Advisory Committee, has the responsibility of recommending program criteria, reviewing applications and recommending eligible highways for official scenic highway designation, and advising the Director of Caltrans to revoke the official designation of any existing scenic highway which is no longer in compliance with the program. Other regulations that assist in minimizing impacts from urban land uses, to some extent, include County zoning and development standards and regulations (Fresno County 2020).

The California Scenic Highway Program protects and enhances the scenic beauty of California's highways and adjacent corridors. A highway can be designated as scenic based on how much natural beauty can be seen by users of the highway, the quality of the scenic landscape, and if development impacts the enjoyment of the view (Caltrans 2013). Two scenic highways, SR-168 and SR-180, extend down from the Sierras and terminate in the Eastside Valley area in Fresno County. In addition, there are several scenic

drives that wind through the Sierra and Sierra Foothill areas (Fresno County 2000). SR-168 is the primary option from which to access Fresno and Clovis from the Project site. SR-180 does not come near the Project site.

Two portions of SR-168 are designated as National Forest Scenic Byways: the segment between Clovis and Huntington Lake is the Sierra Heritage Scenic Byway, while the segment from Camp Sabrina to Brockman Lane is the Ancient Bristlecone Scenic Byway. The Sierra Heritage Scenic Byway begins in Old Town Clovis, a suburb of Fresno. Clovis, the "Gateway to the Sierras," offers shopping, antique stores, restaurants, and coffee shops. The byway leaves Clovis and travels up the western slope of the Sierras, through the Sierra National Forest. Shaver Lake offers lodging, horseback riding, skiing, camping, fishing, and mountain biking. Recreation enthusiasts can enjoy boating, fishing, camping, skiing, wildlife viewing, and alpine views in the Huntington Lake area. Sailboat races are held throughout the summer. The byway ends at 9,000 feet at Kaiser Pass Meadow and the Kaiser Wilderness Area. This area is known for hiking trails and rock climbing (National Geographic 2020).

# 4.1.3 Aesthetics (I) Environmental Checklist and Discussion

	ept as provided in Public Resources Code Section 99, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Have a substantial adverse effect on a scenic vista?				X

## No impact.

The Proposed Project will renovate an abandoned school for CCC year-round operations and California Department of Forestry and Fire Protection (CAL FIRE) emergency staging use. The Project site is not within a designated scenic area or located within a scenic vista. Therefore, site development would not have a substantial adverse effect on a scenic vista and no impact would occur.

	ept as provided in Public Resources Code Section 99, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?				X

## No impact.

Although state scenic highway SR-168 (Sierra Heritage Scenic Byway) connects to Auberry Road 2.6 miles south of the Project site, the Proposed Project will not affect scenic resources along this state scenic highway. The majority, if not all, existing onsite trees will be preserved within open space corridors and developed areas will include complementary landscape plantings. The Project would not substantially

damage scenic resources within a state scenic highway viewshed. No impact would occur, and no mitigation is required.

	ept as provided in Public Resources Code Section 99, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the Project is in an urbanized area, would the Project conflict with applicable zoning and other regulations governing scenic quality?				x

# No impact.

The Project site exists within the rural Census Designated Place of Auberry and is zoned Rural Residential. The site is currently developed and consists of abandoned school buildings and a field area. The Project site is partially screened from public view, as the western and southern boundaries are buffered by Little Sandy Creek and a riparian corridor. The public viewing location is from the north and east along Auberry and Powerhouse Roads. Mount Ararat Mobile Home Park, which is further north than the Auberry Volunteer Fire Department, may have tree-obstructed views of the Project site. Overall, the Proposed Project will improve the visual character of the Project site. Two new buildings will be constructed, and the existing buildings will be improved with new siding and roofing. Trees will be preserved and an easement for Little Sandy Creek is part of the Proposed Project. As such, proposed development would not significantly degrade the existing visual character or quality of the Project Site or its surroundings nor would it conflict with other regulations governing scenic quality. No impact would occur, and no mitigation is required.

	ept as provided in Public Resources Code Section 99, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Would the project create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?			x	

# Less than significant.

Project development would include building and landscape-level lighting typical of similar developments. Exterior lighting would achieve a minimum exterior illumination level of one foot-candle minimum at grade level. Building perimeters would be highlighted by wall- mounted light fixtures and downlights and would provide coverage for pedestrians in proximity of buildings. All corridors, exit pathways, and other areas required by code would be illuminated to current California Building Code (CBC) minimum standards and all exterior fixtures would be dark-sky compliant.

The above noted design features ensure the Project would not create a new source of substantial light or glare that could adversely affect day or nighttime views in the area. This impact would be less than significant, and no mitigation would be required.

# 4.1.4 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

# 4.2 Agriculture and Forestry Resources

# 4.2.1 Environmental Setting

# 4.2.1.1 Agriculture

Per the 2018 Fresno County Crop and Livestock Report, the top crops in the County are almonds, pistachios, and grapes (Fresno County 2019). Fresno County's total gross production value for 2018 is \$7,887,583,790. This represents an increase of \$859,559,690 or 12.23 percent over the previous year's total of \$7,028,024,100. Fresno County's agricultural strength is based on the diversity of crops produced. Included in the 2018 report are more than 300 different commodities, 76 of which have a gross value in excess of \$1,000,000 (Fresno County 2019).

# **4.2.1.2** Forestry

The Sierra National Forest occupies the northeastern corner of Fresno County; the closest point to the Project site is approximately 1.5 miles east. The Sierra National Forest is comprised of 1,300,000 acres; terrain includes oak-covered foothills, heavily forested slopes, and the tundra landscape of the High Sierra. Vegetation types include mixed conifer forests, oak woodlands and savannah, chaparral, and annual and perennial grass glades, among others.

The Sequoia National Forest occupies the southeastern tip of the county and is southeast of the Project site. The Sequoia National Forest takes its name from the giant sequoia, the world's largest tree, which grows in more than 30 groves in the forest's lower elevation slopes. The Sequoia's landscape includes granite monoliths, glacier-carved canyons, whitewater rivers, and elevations ranging from 1,000 feet in the foothill region to peaks over 12,000 feet in the rugged high country, providing visitors with spectacular views.

The Project site is designated Mountain Urban by the Fresno County General Plan and zoned Rural Residential by the County Zoning Code. The site is currently dilapidated and abandoned and not used for any agricultural or forestry purpose.

# 4.2.2 Agriculture and Forestry Resources (II) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural use?				x

# No impact.

The California Department of Conservation (DOC) manages the Farmland Mapping and Monitoring Program (DOC 2017a), which identifies and maps significant farmland. Farmland is classified using a system of five categories including Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, and Grazing Land. The classification of farmland as Prime Farmland, Unique Farmland, and Farmland of Statewide Importance is based on the suitability of soils for agricultural production, as determined by a soil survey conducted by the Natural Resources Conservation Service [NRCS, DOC 2017b]. DOC manages an interactive website called the California Important Farmland Finder. This website program identifies the Project site as being urban and built-up land, and, therefore, not considered to be agriculturally important land [DOC 2017a]. No impact would occur, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Conflict with existing zoning for agricultural use, or a Williamson Act contract?				X

## No impact.

The site is zoned Rural Residential in the Fresno County Zoning Code. This zoning district was not intended for agricultural uses. DOC also maintains mapping for Williamson Act contracts by county. As shown on the map for Fresno County, the site is not subject to a Williamson Act contract. [DOC 2010]. Therefore, the Proposed Project would result in no impact to Williamson Act contract lands or land zoned for agricultural uses. No mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X

# No impact.

The Project site contains no forest or timber resources and is not zoned for forestland protection or timber production. There would be no impact, and no mitigation is required.

		Less than Significant			
Wo	uld the project:	Potentially Significant Impact	With Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Result in the loss of forest land or conversion of forest land to non-forest use?				Х

# No impact.

The Proposed Project would not convert forest land to non-forest use. There would be no impact, and no mitigation is required.

Wo	uld the project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
e)	Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?			x	

# Less than significant.

The Project site is located within the County of Fresno on land designated for development. The lands immediately west are suitable for grazing, but the Proposed Project will not hinder the use of those lands in any way. The Sierra National Forest is approximately 2,700 feet west of the Project site. The intended purpose of the Proposed Project and the CCC will be to aid in responding to natural disasters and conservation efforts. Therefore, Project development is not expected to result in conversion of farmland to non-agricultural use or conversion of forest land to non-forest use. Related impacts are considered less than significant. No mitigation is required.

# 4.2.3 Mitigation Measures

No significant impacts were identified; no mitigation measures are required.

# 4.3 Air Quality

# 4.3.1 Environmental Setting

The Project area is located within Fresno County. The California Air Resource Board (CARB) has divided California into regional air basins according to topographic features. Fresno County lies in a region identified as the San Joaquin Valley Air Basin (SJVAB). The SJVAB occupies the southern 2/3 of the Central Valley and includes eight counties. The SJVAB is mostly flat, less than 1,000 feet in elevation, and is surrounded on three sides by the Sierra Nevada, Tehachapi, and Coast Range mountains. This bowl-shaped feature forms a natural barrier to the dispersion (spreading over an area) of air pollutants. As a result, the SJVAB is highly susceptible to pollutant accumulation over time (San Joaquin Valley Air Pollution Control District [SJVAPCD] 2002).

Both the U.S. Environmental Protection Agency (USEPA) and the CARB have established ambient air quality standards for common pollutants. These ambient air quality standards are levels of contaminants representing safe levels that avoid specific adverse health effects associated with each pollutant. The ambient air quality standards cover what are called "criteria" pollutants because the health and other effects of each pollutant are described in criteria documents. The six criteria pollutants are ozone ( $O_3$ ) ( $O_3$  precursor emissions include nitrogen oxide ( $NO_3$ ) and reactive organic gases ( $NO_3$ ), carbon monoxide ( $NO_3$ ), particulate matter ( $NO_3$ ), nitrogen dioxide ( $NO_3$ ), sulfur dioxide ( $NO_3$ ), and lead. Areas that meet ambient air quality standards are classified as attainment areas, while areas that do not meet these standards are classified as nonattainment areas. The Fresno County portion of the SJVAB region is designated as a nonattainment area for the federal  $NO_3$  and fine particulate matter ( $NO_3$ ) and is also a nonattainment area for the state standards for  $NO_3$ , coarse particulate matter ( $NO_3$ ), and  $NO_3$ , and  $NO_3$ , and  $NO_3$ , coarse particulate matter ( $NO_3$ ), and  $NO_3$ , and  $NO_3$ , and  $NO_3$ , coarse particulate matter ( $NO_3$ ), and  $NO_3$ , a

The local air quality agency affecting the SJVAB is the SJVAPCD, which is charged with the responsibility of implementing air quality programs and ensuring that national and state ambient air quality standards are not exceeded and that air quality conditions are maintained in the SJVAB. In an attempt to achieve national and California ambient air quality standards and maintain air quality, the air district has completed several air quality attainment plans and reports, which together constitute the State Implementation Plan (SIP) for the portion of the SJVAB encompassing the Project.

The SJVAPCD has also adopted various rules and regulations for the control of stationary and area emissions sources. Provisions applicable to the proposed Project are summarized as follows:

Regulation IV (Visible Emissions), Rule 4101, Nuisance. The purpose of this rule is to protect the health and safety of the public from source operations that emit or may emit air contaminants or other materials. It prohibits emissions of air contaminants or other materials "which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public."

- Regulation IV (Visible Emissions), Rule 4601, Architectural Coatings. The rule limits volatile organic compound (VOC) emissions from architectural coatings and specifies practices for proper storage, cleanup, and labeling requirements. Rule 4601 applies to "any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the District." Materials covered by the rule include adhesives, architectural coatings, paints, varnishes, sealers, stains, concrete curing compounds, concrete/masonry sealers, and waterproofing sealers.
- Regulation IV (Visible Emissions), Rule 4641, Cutback, Slow Curve and Emulsified Asphalt, Paving and Maintenance Operations. The purpose of this rule is to limit VOC emissions by restricting the application and manufacturing of certain types of asphalt and maintenance operations and applies to the use of these materials. Specifically, certain types of asphalt cannot be used for penetrating prime coat, dust palliative, or other paving: rapid cure and medium cure cutback asphalt, slow cure asphalt that contains more than 0.5 percent of organic compound which evaporates at 500°F or lower, and emulsified asphalt containing VOCs in excess of 3 percent which evaporates at 500°F or lower.
- Regulation VIII (Fugitive PM<sub>10</sub> Prohibitions), Rules 8021–8071, Fugitive PM<sub>10</sub> Prohibitions.

  The purpose of these rules is to limit airborne particulate emissions associated with construction, demolition, excavation, extraction, and other earthmoving activities, as well as with open disturbed land and emissions associated with paved and unpaved roads. Accordingly, these rules include specific measures to be employed to prevent and reduce fugitive dust emissions from anthropogenic sources.
- Regulation IX (Mobile and Indirect Sources), Rule 9510, Indirect Source Review. This rule is the result of state requirements outlined in California Health and Safety Code Section 40604 and the SIP. The air district's SIP commitments were originally contained in the SJVAPCD's 2003 PM<sub>10</sub> Plan and Extreme Ozone Attainment Demonstration Plans, which presented the SJVAPCD's strategy to reduce PM<sub>10</sub> and NO<sub>x</sub> in order to reach the ambient air pollution standards on schedule, which had been 2010. The plans quantify the reduction from current SJVAPCD rules and proposed rules, as well as state and federal regulations, and then model future emissions to determine whether the SJVAPCD may reach attainment for applicable pollutants.

This rule will reduce emissions of  $NO_x$  and  $PM_{10}$  from new development projects that attract or generate motor vehicle trips. In general, new development contributes to the air pollution problem in the SJVAB by increasing the number of vehicles and vehicle miles traveled. Although newer, cleaner technology is reducing per-vehicle pollution, the emissions increase from new development partially offsets emission reductions gained from technology advances. Indirect Source Review applies to larger development projects that have not yet gained discretionary approval. A discretionary permit is a permit from a public agency, which requires some amount of deliberation by that agency, including the potential to require modifications or conditions on the project. In accordance with this rule, developers of larger residential, commercial, and industrial projects are required to reduce smog-forming  $NO_x$  and  $PM_{10}$  emissions from their projects' baselines as follows (SJVAPCD 2005):

- 20 percent of construction NO<sub>x</sub> exhaust
- 45 percent of construction PM<sub>10</sub> exhaust
- 33 percent of operational NO<sub>x</sub> over 10 years
- 50 percent of operational PM<sub>10</sub> over 10 years

These reductions are intended to be achieved through incorporation of onsite reduction measures. If, after implementation of onsite emissions reduction measures, project emissions still exceed the minimum baseline reduction, the Indirect Source Review requires a project applicant to pay an off-=site fee to the SJVAPCD, which is then used to fund clean-air projects within the air basin.

# 4.3.2 Air Quality (III) Environmental Checklist and Discussion

Would the Project:	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?				X

# No impact.

As part of its enforcement responsibilities, the USEPA requires each state with nonattainment areas to prepare and submit a SIP that demonstrates the means to attain the federal standards. The SIP must integrate federal, state, and local plan components and regulations to identify specific measures to reduce pollution in nonattainment areas, using a combination of performance standards and market-based programs. Similarly, under state law, the California Clean Air Act requires an air quality attainment plan to be prepared for areas designated as nonattainment with regard to the national and California ambient air quality standards. Air quality attainment plans outline emissions limits and control measures to achieve and maintain these standards by the earliest practical date.

As previously mentioned, the Project site is located within the SJVAB, which is under the jurisdiction of the SJVAPCD. The SJVAPCD is required, pursuant to the federal Clean Air Act, to reduce emissions of criteria pollutants for which the SJVAB is in nonattainment. In order to reduce such emissions, the SJVAPCD prepared the 2004 Extreme Ozone Attainment Demonstration Plan and 2013 Plan for the Revoked 1-Hour Ozone Standard, 2007 Ozone Plan, 2009 Reasonably Available Control Technology Demonstration for Ozone State Implementation Plan, 2016 Plan for the 2008 8-Hour Ozone Standard and 2016 Moderate Area Plan for the 2012 PM<sub>2.5</sub> Standard. These plans collectively address the air basin's nonattainment status with the national and state ozone standards as well as particulate matter by establishing a program of rules and regulations directed at reducing air pollutant emissions and achieving state (California) and national air quality standards. Pollutant control strategies are based on the latest scientific and technical information and planning assumptions, updated emission inventory methodologies for various source categories, and the latest population growth projections and associated vehicle miles traveled projections

for the region. SJVAPCD's latest population growth forecasts were defined in consultation with local governments and with reference to local general plans.

The Proposed Project would not increase the number of homes or provide additional offsite infrastructure in the area. The Project would, however, provide residence for up to 116 personnel (26 staff and 90 Corpsmembers) at the State-owned Auberry Center at a given time, with turnover occurring annually. These personnel would not be long-term residents and do not represent a substantial increase in population. Furthermore, as shown in Table 4.3-1 and Table 4.3-3 below, both Project construction and Project operations would not generate emissions that would exceed SJVAPCD significance thresholds. Implementation of **AIR-1**, described below, would reduce construction-generated emissions below what is required in Rule 9510 and **AIR-2** would reduce operational-generated emissions or offset the emissions with payment of a fine.

The Project would be consistent with the emission-reduction goals of the SJVAPCD Attainment Plans. No impact would occur.

Would the Project:		Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?		x		

# Less than significant with mitigation incorporated.

By its very nature, air pollution is largely a cumulative impact. No single project is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. If a project's individual emissions exceed its identified significance thresholds, the project would be cumulatively considerable. Projects that do not exceed significance thresholds would not be considered cumulative considerable.

A portion of the Proposed Project's air quality impacts are attributable to construction activities. The majority of the long-term air quality impacts will be due to the operation of motor vehicles traveling to and from the site. For purposes of impact assessment, air quality impacts have been separated into construction impacts and operational impacts.

#### 4.3.2.1 Regional Construction Emission Impacts

Construction-generated emissions are temporary and short-term but have the potential to represent a significant air quality impact. Three basic sources of short-term emissions will be generated through construction of the proposed Project: operation of the construction vehicles (i.e., excavators, trenchers, dump trucks), the creation of fugitive dust during clearing and grading, and the use of asphalt or other oil-based substances during paving activities. Construction activities such as excavation and grading operations, construction vehicle traffic, and wind blowing over exposed soils would generate exhaust

emissions and fugitive PM emissions that affect local air quality at various times during construction. Effects would be variable depending on the weather, soil conditions, the amount of activity taking place, and the nature of dust control efforts. The dry climate of the area during the summer months creates a high potential for dust generation. Construction activities would be subject to SJVAPCD Regulation VIII, which specifies the following measures to control fugitive dust:

- Apply water to unpaved surfaces and areas.
- Use nontoxic chemical or organic dust suppressants on unpaved roads and traffic areas.
- Limit or reduce vehicle speed on unpaved roads and traffic areas to a maximum 15 miles per hour.
- Maintain areas in a stabilized condition by restricting vehicle access.
- Install wind barriers.
- During high winds, cease outdoor activities that disturb the soil.
- Keep bulk materials sufficiently wet when handling.
- Store and handle materials in a three-sided structure.
- When storing bulk materials, apply water to the surface or cover the storage pile with a tarp.
- Don't overload haul trucks. Overloaded trucks are likely to spill bulk materials.
- Cover haul trucks with a tarp or other suitable cover. Or, wet the top of the load enough to limit visible dust emissions.
- Clean the interior of cargo compartments on emptied haul trucks prior to leaving a site.
- Prevent trackout by installing a trackout control device.
- Clean up trackout at least once a day. If along a busy road or highway, clean up trackout immediately.
- Monitor dust-generating activities and implement appropriate measures for maximum dust control.

Construction-generated emissions associated with the Proposed Project were calculated using the CARB-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. See Appendix A for more information regarding the construction assumptions, including construction equipment and duration, used in this analysis.

The SJVAPCD's (2015) Guidance for Assessing and Mitigation of Air Quality Impacts identifies significance thresholds for ROG, CO, and NO<sub>X</sub>, SO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. Predicted maximum daily construction-generated emissions for the proposed Project are summarized in Table 4.3-1. Construction-generated emissions are short-term and of temporary duration, lasting only as long as construction activities occur, but would be

considered a significant air quality impact if the volume of pollutants generated exceeds the SJVAPCD's thresholds of significance.

Table 4.3-1. Unmitigated Construction-Related Emissions (Regional Significance Analysis)

Comptunation Voca	Maximum Pollutants (tons per year)					
Construction Year	ROG	NO <sub>X</sub>	СО	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
2022	0.4	3.2	3.5	0.0	0.2	0.2
2023	0.5	3.7	4.5	0.0	0.2	0.2
2024	0.1	0.6	0.8	0.0	0.0	0.0
SJVAPCD Potentially Significant Impact Threshold	10	10	100	27	15	15
Exceed SCAQMD Regional Threshold?	No	No	No	No	No	No

Source: CalEEMod version 2016.3.2. Refer to Appendix A for Model Data Output.

Notes: Emission reduction/credits for construction emissions are applied based on the required implementation of SJVAPCD Regulation VIII. The specific regulation applied in CalEEMod was watering unpaved surfaces three times per day with a maximum vehicle speed of 15 mph.

As shown in Table 4.3-3, construction-generated emissions would not exceed SJVAPCD significance thresholds.

In addition to the SJVAPCD criteria air pollutant thresholds, SJVAPCD Rule 9510, Indirect Source Review, aims to fulfill the District's emission reduction commitments in the PM<sub>10</sub> and Ozone Attainment Plans. This rule applies to the following construction projects within the jurisdiction of the SJVAPCD:

- 50 residential units
- 2,000 sf of commercial space
- 25,000 sf of light industrial space
- 100,000 sf of heavy industrial space
- 20,000 sf of medical office space
- 39,000 sf of general office space
- 9,000 sf of educational space
- 10,000 sf of government space
- 20,000 sf of recreational space; or
- 9,000 sf of space not identified above.

This rule also applies to any transportation or transit project where construction exhaust emissions equal or exceed two tons of  $NO_x$  or two tons of  $PM_{10}$ . The Project developers are required to reduce concentrations of  $NO_x$  by 20 percent and  $PM_{10}$  by 45 percent during construction activities.

This Project is proposing the construction of more than 10,000 sf of government space. Therefore, the Proposed Project is required to comply with Rule 9510. In accordance with Rule 9510, the Project applicant is required to prepare a detailed air impact assessment (AIA) for submittal to the SJVAPCD, that demonstrates reduction of NO<sub>x</sub> emissions from the Project's baseline by 20 percent and PM<sub>10</sub> emissions from the Project's baseline by 45 percent. Therefore, mitigation measure AIR-1, described below, is required.

As demonstrated in Table 4.3-2, implementation of mitigation measure AIR-1 would reduce total  $NO_x$ emissions by 76 percent and total PM<sub>10</sub> emissions by 60 percent, which is beyond the reduction needed to achieve the SJVAPCD Rule 9510 target.

**Percent Reduction** Construction **NOx Baseline NOx Mitigated** 7.5 76% **Total Construction** 1.8

Table 4.3-2. Construction Related NOx & PM<sub>10</sub> Emissions- Baseline and Mitigated (tons per year)

SJVAPCD Rule 9510 NOx Reducti	20%	
Construction Year	Percent Reduction	
Total Construction	60%	
SJVAPCD Rule 9510 PM <sub>10</sub> Reducti	45%	

Source: CalEEMod version 2013.2.2. See Appendix A for emissions output.

As previously stated, construction-generated emissions would not exceed SJVAPCD significance thresholds. However, construction activities include the construction of more than 10,000 sf of government space, instigating the implementation of Rule 9510 and the requirement to reduce NO<sub>x</sub> emissions from the Project's unmitigated baseline by 20 percent and PM<sub>10</sub> emissions from the Project unmitigated baseline by 45 percent. Mitigation measure AIR-1 would result in a greater than 20 percent reduction of NOx emissions from the unmitigated baseline and a greater than 45 percent reduction of PM<sub>10</sub> emissions from the unmitigated baseline for all construction activities.

#### **Regional Operational Emission Impacts**

Implementation of the Project would result in long-term operational emissions of criteria air pollutants such as PM<sub>10</sub>, PM<sub>2.5</sub>, CO, and SO<sub>2</sub> as well as ozone precursors such as ROG and NO<sub>X</sub>. Project-generated increases in emissions would be predominantly associated with motor vehicle use. Operational air pollutant emissions were based on the Project site plans and the estimated traffic trip generation rates from KD Anderson & Associates, Inc. (2020).

Long-term operational emissions attributable to the Project are identified in Table 4.3-3 and compared to the regional operational significance thresholds promulgated by the SJVAPCD.

Table 4.3-3. Operational-Related Emissions (Regional Significance Analysis)

Construction Year	Maximum Pollutants (tons per year)					
Construction rear	ROG	NOx	со	SO <sub>2</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	Annual (Maximum Tons per Year)					
Area Source	0.2	0.0	0.0	0.0	0.0	0.0
Energy Use	0.0	0.1	0.1	0.0	0.0	0.0
Mobile Source	0.1	0.6	0.4	0.0	0.1	0.0
Total	0.3	0.7	0.5	0.0	0.1	0.0
SJVAPCD Significance Threshold	10	10	15	15	100	27
Exceed SJVAPCD Threshold?	No	No	No	No	No	No

Source: CalEEMod version 2016.3.2. Refer to Appendix A for Model Data Output.

Notes: Emissions projections account for 90 vehicle trips per day according to the traffic trip generation rates from KD Anderson & Associates, Inc. (2020) and accounted for all onsite energy being generated from the proposed solar array.

As indicated in Table 4.3-3, operational-generated emissions would not exceed SJVAPCD significance thresholds.

Although operational emissions are very low, due mainly to the limited daily vehicle trips, the Proposed Project is still subject to Rule 9510 and would be required to consult with the SJVAPCD regarding the specific applicability of Rule 9510 in relation to Project operations. In accordance with Rule 9510, the Project applicant would be required to prepare a detailed AIA for submittal to the SJVAPCD demonstrating the reduction from the Project's baseline of NO<sub>x</sub> emissions by 33.3 percent. Mitigation measure **AIR-2**, described below, is required. Operational emissions from the Proposed Project would not exceed SJVAPCD significance thresholds and will abide by SJVAPCD Rule 9510 with implementation of Mitigation Measure **AIR-2**.

A less than a significant impact will occur with implementation of Mitigation Measures AIR-1 and AIR-2.

Would the Project:		Less than Significant Potentially With Less than Significant Mitigation Significant Impact Incorporated Impact			No Impact
c)	Expose sensitive receptors to substantial pollutant concentrations?	pace	eo.po.acea	X	puec

# Less than significant.

Sensitive receptors are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare centers. CARB has identified the following groups of individuals as the most likely to be affected by air pollution: the elderly over 65, children under 14, athletes, and persons with cardiovascular and chronic respiratory diseases such

as asthma, emphysema, and bronchitis. The nearest sensitive receptors to the Project site are residences located directly adjacent to the northern and southern site boundary.

#### 4.3.2.3 Construction-Generated Air Contaminants

Construction-related activities would result in temporary, short-term Project-generated emissions of diesel particulate matter (DPM) from the exhaust of off-road, heavy-duty diesel equipment for site preparation (e.g., clearing, grading); soil hauling truck traffic; paving; application of architectural coatings; and other miscellaneous activities. For construction activity, DPM is the primary toxic air contaminant (TAC) of concern. Particulate exhaust emissions from diesel-fueled engines (i.e., DPM) were identified as a TAC by the CARB in 1998. The potential cancer risk from the inhalation of DPM, as discussed below, outweighs the potential for all other health impacts (i.e., non-cancer chronic risk, short-term acute risk) and health impacts from other TACs. Accordingly, DPM is the focus of this discussion.

Based on the emission modeling conducted the maximum onsite mitigated construction-related emissions of PM<sub>2.5</sub> exhaust, considered a surrogate for DPM, would be 1.42 pounds per day during 2022 construction, 1.25 pounds per day during 2023 construction, and 1.11 pounds per day during 2024 construction. PM<sub>2.5</sub> is considered a surrogate for DPM because more than 90 percent of DPM is less than one microgram in diameter and therefore is a subset of particulate matter under 2.5 microns in diameter (i.e., PM<sub>2.5</sub>). Most PM<sub>2.5</sub> derives from combustion, such as use of gasoline and diesel fuels by motor vehicles. Furthermore, even during the most intense month of construction, emissions of DPM would be generated from different locations on the Project site, rather than a single location, because different types of construction activities (e.g., site preparation, grading, building construction) would not occur at the same place at the same time.

The dose to which receptors are exposed is the primary factor used to determine health risk (i.e., potential exposure to TAC emission levels that exceed applicable standards). Dose is a function of the concentration of a substance or substances in the environment and the duration of exposure to the substance. Dose is positively correlated with time, meaning that a longer exposure period would result in a higher exposure level for any exposed receptor. Thus, the risks estimated for an exposed individual are higher if a fixed exposure occurs over a longer period of time. According to the Office of Environmental Health Hazard Assessment, health risk assessments, which determine the exposure of sensitive receptors to TAC emissions, should be based on a 70-, 30-, or nine-year exposure period; further, such assessments should be limited to the period/duration of activities associated with the proposed Project. Consequently, an important consideration is the fact that construction of the Proposed Project is not anticipated to last nine consecutive years, the minimum duration of exposure from which to calculate health risk, and that on a day-to-day basis, construction activity generally spans eight hours as opposed to throughout the entire day.

Therefore, considering the relatively low mass of DPM emissions that would be generated during even the most intense season of construction, the fact that construction would not last as long as the minimum duration of exposure from which to calculate health risk, and the relatively short duration that construction activities would occur, construction-related TAC emissions would not expose sensitive receptors to substantial amounts of air toxics.

# 4.3.2.4 Operational Air Contaminants

Operation of the Proposed Project would not result in the development of any substantial sources of air toxics. There are no stationary sources associated with the operations of the Project. Nor would the Project attract mobile sources that spend long periods queuing and idling at the site. Thus, by its very nature, the project would not be a source of TAC concentrations during proposed Project operations. Impacts in this regard would be less than significant.

# Naturally Occurring Asbestos

Another potential air quality issue associated with construction-related activities is the airborne entrainment of asbestos due to the disturbance of naturally occurring asbestos-containing soils. The Proposed Project is not located within an area designated by the State of California as likely to contain naturally occurring asbestos (DOC 2000). As a result, construction-related activities would not be anticipated to result in increased exposure of sensitive land uses to asbestos.

# Carbon Monoxide Hot Spots

It has long been recognized that CO exceedances are caused by vehicular emissions, primarily when idling at intersections. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Under certain meteorological conditions, CO concentrations close to congested intersections that experience high levels of traffic and elevated background concentrations may reach unhealthy levels, affecting nearby sensitive receptors. Given the high traffic volume potential, areas of high CO concentrations, or "hot spots," are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. However, transport of this criteria pollutant is extremely limited, and CO disperses rapidly with distance from the source under normal meteorological conditions. Furthermore, vehicle emissions standards have become increasingly more stringent in the last 20 years. Currently, the CO standard in California is a maximum of 3.4 grams per mile for passenger cars (requirements for certain vehicles are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of control technology on industrial facilities, CO concentrations in the Project vicinity have steadily declined.

Accordingly, with the steadily decreasing CO emissions from vehicles, even very busy intersections do not result in exceedances of the CO standard. The analysis prepared for CO attainment in the South Coast Air Quality Management District's (SCAQMD's) 1992 Federal Attainment Plan for Carbon Monoxide in Los Angeles County can be used to demonstrate the potential for CO exceedances. The SCAQMD CO hot spot analysis was conducted for four busy intersections in Los Angeles County during the peak morning and afternoon time periods. The intersections evaluated included Long Beach Boulevard and Imperial Highway (Lynwood), Wilshire Boulevard and Veteran Avenue (Westwood), Sunset Boulevard and Highland Avenue (Hollywood), and La Cienega Boulevard and Century Boulevard (Inglewood). The busiest intersection evaluated was at Wilshire Boulevard and Veteran Avenue, which has a traffic volume of approximately 100,000 vehicles per day. The Los Angeles County Metropolitan Transportation Authority evaluated the level of service (LOS) in the vicinity of the Wilshire Boulevard/Veteran Avenue intersection and found it to be LOS E at peak morning traffic and LOS F at peak afternoon traffic (LOS E and F are the two least

efficient traffic LOS ratings). Even with the inefficient LOS and volume of traffic, the CO analysis concluded that there was no violation of CO standards (SCAQMD 1992).

According to the Traffic Impact Assessment prepared for the Project (KD Anderson & Associates, Inc. 2020), the Project is anticipated to generate approximately 90 daily trips on average. Because the proposed Project would not generate traffic volumes at any intersection to more than 100,000 vehicles per day, there is no likelihood of the Project traffic exceeding CO values. The impact is less than significant. No mitigation is required.

Would the Project:		Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?			x	

## Less than significant.

Quality Typically, odors are regarded as an annoyance rather than a health hazard. However, manifestations of a person's reaction to foul odors can range from psychological (e.g., irritation, anger, or anxiety) to physiological (e.g., circulatory and respiratory effects, nausea, vomiting, and headache).

With respect to odors, the human nose is the sole sensing device. The ability to detect odors varies considerably among the population and overall is quite subjective. Some individuals have the ability to smell minute quantities of specific substances; others may not have the same sensitivity but may have sensitivities to odors of other substances. In addition, people may have different reactions to the same odor; in fact, an odor that is offensive to one person (e.g., from a fast-food restaurant) may be perfectly acceptable to another. It is also important to note that an unfamiliar odor is more easily detected and is more likely to cause complaints than a familiar one. This is because of the phenomenon known as odor fatigue, in which a person can become desensitized to almost any odor and recognition only occurs with an alteration in the intensity.

Quality and intensity are two properties present in any odor. The quality of an odor indicates the nature of the smell experience. For instance, if a person describes an odor as flowery or sweet, the person is describing the quality of the odor. Intensity refers to the strength of the odor. For example, a person may use the word "strong" to describe the intensity of an odor. Odor intensity depends on the odorant concentration in the air. When an odorous sample is progressively diluted, the odorant concentration decreases. As this occurs, the odor intensity weakens and eventually becomes so low that the detection or recognition of the odor is quite difficult. At some point during dilution, the concentration of the odorant reaches a detection threshold. An odorant concentration below the detection threshold means that the concentration in the air is not detectable by the average human.

Land uses commonly considered to be potential sources of obnoxious odorous emissions include agriculture (farming and livestock), wastewater treatment plants, food processing plants, chemical plants,

composting facilities, refineries, landfills, dairies, and fiberglass molding. The Proposed Project does not include any uses considered to be associated with odors.

The Proposed Project does not include any of the described sources of obnoxious odors, and as such would not be a source of obnoxious odors. The impact is less than significant. No mitigation is required.

# 4.3.3 Mitigation Measures

- AIR-1: Air Impact Assessment. In accordance with SJVAPCD Rule 9510, a detailed air impact assessment (AIA) shall be prepared detailing the specific construction requirements (i.e., equipment required, hours of use, etc.) and operational characteristics associated with the proposed on- and offsite improvements. In accordance with this rule, emissions of NOX from construction equipment greater than 50 horsepower used or associated with the development Project shall be reduced by 20 percent from baseline (unmitigated) emissions and PM10 emissions by 45 percent. The Project will demonstrate compliance with Rule 9510, including payment of all applicable fees prior to construction. Examples of mitigation measures that would reduce emissions attributable to the proposed Project in compliance with Rule 9510 include, but are not limited to, the following:
  - During all construction activities, all diesel-fueled construction equipment including, but not limited to, rubber-tired dozers, graders, scrapers, excavators, asphalt paving equipment, cranes, and tractors shall be California Air Resources Board (CARB) Tier 4 Certified as set forth in Section 2423 of Title 13 of the CCR, and Part 89 of Title 40 of the Code of Federal Regulations (CFR).
  - All construction equipment shall be maintained and properly tuned in accordance with manufacturers' specifications. Equipment maintenance records shall be kept onsite and made available upon request by the SJVAPCD.
  - The Project applicant shall comply with all applicable SJVAPCD rules and regulations. Copies of any applicable air quality permits and/or monitoring plans shall be provided to the County.
- AIR-2: Operational Admissions Reduction. In accordance with SJVAPCD Rule 9510, a detailed air impact assessment shall be prepared detailing the operational characteristics associated with the Proposed Project. In accordance with this rule, operational emissions of NOx shall be reduced by a minimum of 33.3 percent. (Emissions reductions are in comparison to the Project's operational baseline emissions presented in Table 4.3-3 of this Initial Study.) The Project would demonstrate compliance with Rule 9510, including payment of all applicable fees prior to construction.
  - Based on the findings of the air impact assessment, the applicant shall pay the SJVAPCD a monetary sum necessary to offset the required operational emissions that are not reduced by the emission reduction measures contained in the air impact assessment. The quantity of operational emissions that need to be offset will be calculated in accordance with the methodologies identified in Rule 9510, Indirect Source Review, and approved by the SJVAPCD. Operational emissions reduction methods will be selected under the direction of

the SJVAPCD according to the air impact assessment process detailed in, and required by Rule 9510, Indirect Source Review.

# 4.4 Biological Resources

This section is based on the analysis and findings presented in the Biological Resource Assessment that is included in Appendix B (ECORP 2019).

# 4.4.1 Environmental Setting

The Project site is situated at an elevation range between approximately 1,950 and 2,025 feet above MSL in Auberry, California. The Project Site is located in the Sierra Nevada region, central Sierra Nevada Foothills subregion of the California Floristic Province (Baldwin et al. 2012). This region is characterized by blue oak/foothill-pine woodlands and is dotted with serpentine (Baldwin et al. 2012). The average annual precipitation for the region is 25.00 inches with an annual average of 3.6 inches of snowfall; average maximum temperatures range from 55.3°F in January to 95.4°F in July; average minimum temperatures range from 33.7 °F in January to 64.4 °F in July (Western Regional Climate Center [WRCC] 2019).

The Project site is on hilly terrain and is the site of a former school with shuttered buildings and ballfields and school grounds that are no longer maintained. The surrounding lands include rural residential and commercial properties, a mobile home park, and undeveloped oak-gray pine woodland and rangeland.

# 4.4.1.1 Vegetation Communities

Vegetation communities found within the Study Area include nonnative annual grassland, riparian woodland, and disturbed/developed areas. Little Sandy Creek, seasonal, is found along the western boundary of the Project site.

#### Nonnative Annual Grassland

The nonnative annual grassland community is found in the former ballfields and lawns associated with the school. These areas have been leveled. Dominant plants found in the nonnative annual grassland include a variety of weedy nonnative species including soft chess (*Bromus hordeaceus*), filaree (*Erodium botrys*), wild oats (*Avena fatua*), yellow star-thistle (*Centaurea solstitialis*), prickly lettuce (*Lactuca serriola*), ripgut brome (*Bromus diandrus*), and medusahead grass (*Elymus caput-medusae*).

#### Riparian Woodland

The riparian woodland is located along the western boundary of the Study Area along Little Sandy Creek, which is a seasonal creek. The riparian woodland has a relatively open canopy of Valley oak (*Quercus lobata*), interior live oak (*Quercus wislizenii*), gray pine (*Pinus sabiniana*), and Fremont's cottonwood (*Populus fremontii*). The open understory is made up of herbaceous grasses and herbs, such as Italian ryegrass (Festuca perennis), Bermuda grass (*Cynodon dactylon*), miner's lettuce (*Claytonia perfoliata*), hedge parsley (*Torilis spp.*), chicory (*Cichorium intybus*), and rough cockle-bur (*Xanthium strumarium*).

# 4.4.1.2 Wildlife

Wildlife species observed within and around the Study Area during the January 2019 reconnaissance site visits are listed in below in Table 4.4-1.

Table 4.4-1. Wildlife Species Observed Within and Around the Study Area

Common Name	Scientific Name			
Birds				
California Quail	Callipepla californica			
Anna's Hummingbird	Calypte anna			
Red-shouldered Hawk	Buteo lineatus			
Red-tailed Hawk	Buteo jamaicensis			
Acorn Woodpecker	Melanerpes formicivorus			
Downy Woodpecker	Dryobates pubescens			
Nuttall's Woodpecker	Dryobates nuttallii			
Northern Flicker	Colaptes auratus			
American Kestrel	Falco sparverius			
Black Phoebe	Sayornis nigricans			
California Scrub-Jay	Aphelocoma californica			
American Crow	Corvus brachyrhynchos			
Oak Titmouse	Baeolophus inornatus			
White-breasted Nuthatch	Sitta carolinensis			
Bewick's Wren	Thryomanes bewickii			
Ruby-crowned Kinglet	Regulus calendula			
Western Bluebird	Sialia mexicana			
Phainopepla	Phainopepla nitens			
Dark-eyed Junco	Junco hyemalis			
White-crowned Sparrow	Zonotrichia leucophrys			
Golden-crowned Sparrow	Zonotrichia atricapilla			
Savannah Sparrow	Passerculus sandwichensis			
Lincoln's Sparrow	Melospiza lincolnii			
California Towhee	Melozone crissalis			
Spotted Towhee	Pipilo maculatus			
House Sparrow	Passer domesticus			
Mammals				
California ground squirrel	Spermophilus beecheyi			

# 4.4.1.3 Soils

According to the *Web Soil Survey* (NRCS 2019), three soil units, or types, have been mapped within the Study Area (see Figure 4-1. *Natural Resources Conservation Service Soil Types*):

- (AuB) Auberry coarse sandy loam 3 to 9 percent slopes;
- (AvB) Auberry very rocky coarse sandy loam, 3 to 30 percent slopes;
- (VaA) Visalia sandy loam, 0 to 3 percent slopes.

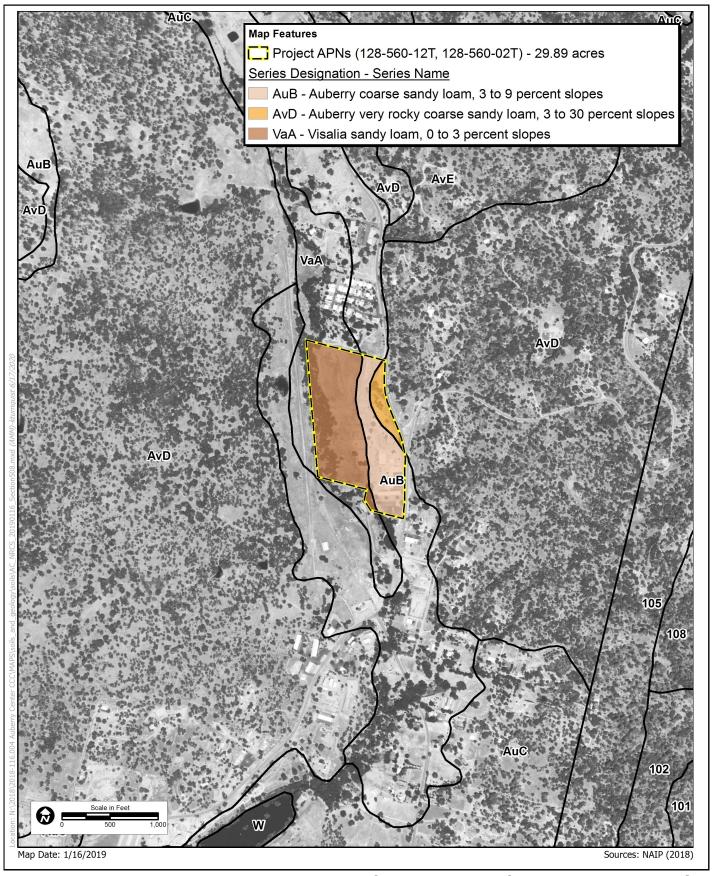




Figure 4-1 Natural Resources Conservation
Service Soil Types

VaA Visalia sandy loam, 0 to 3 percent slopes is considered a hydric soil with Hildreth inclusions in floodplains and swales; unnamed and somewhat poorly drained inclusions in depressions, drainageways, and valleys; and Foster inclusions in depressions and floodplains (NRCS 2019).

#### 4.4.1.4 Potential Waters of the U.S.

There are no aquatic resources in the old school grounds and ball field portions of the Study Area. One seasonal creek has been mapped along the western and southern boundaries of the Study Area (Figure 4 from Appendix B – *Biological Resource Assessment*).

Little Sandy Creek, seasonal, has been mapped along the western boundary of the Study Area. The seasonal creek ranges from 15 to 25 feet wide and is characterized by intermittent flows during the wet season and probably dry during the dry season. The creek bed substrate is made up of sand and sediment, with scattered rock outcrops and debris tangles. The weedy or unvegetated banks range from gently sloped to steep in highly eroded reaches. There is no emergent vegetation growing in the bed of the creek.

# 4.4.1.5 Special-Status Plants

Eight special-status plant species were determined to have the potential to occur within the Study Area based on the literature review and habitats/vegetation communities found during the field reconnaissance. Brief descriptions of these species are presented below.

#### Tree-anemone

Tree-anemone (*Carpenteria california*) is not listed pursuant to the federal Endangered Species Act (ESA), listed as threatened pursuant to the California ESA, and is designated as a California Rare Plant Rank (CRPR) 1B.2 species. This species is perennial evergreen shrub that occurs on usually granitic substrates in chaparral and cismontane woodland (CNPS 2019). Tree-anemone blooms from May through July and is known to occur at elevations ranging from 1,115 to 4,396 feet above MSL (CNPS 2019). Tree-anemone is endemic to California; the current range of this species includes Fresno and Madera counties (CNPS 2019).

There is one California Natural Diversity Database (CNDDB) occurrence located approximately one mile from the Study Area (California Department of Fish and Wildlife [CDFW] 2019). The riparian woodland represents potential habitat for this plant species.

#### Rawson's Flaming-trumpet

Rawson's flaming-trumpet (*Collomia rawsoniana*) is not listed pursuant to the federal or California ESAs but is designated as a CRPR 1B.2 species. This species is a perennial rhizomatous herb that occurs in mesic areas in lower montane coniferous forest, meadows and seeps, and riparian forest (CNPS 2019). Rawson's flaming-trumpet blooms from July through August and is known to occur at elevations ranging from 2,559 to 7,218 feet above MSL (CNPS 2019). Rawson's flaming-trumpet is endemic to California; the current range of this species includes Madera County (CNPS 2019).

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019a). However, the riparian woodland provides marginal habitat for this plant species.

## Tracy's Eriastrum

Tracy's eriastrum (*Eriastrum tracyi*) is not listed pursuant to the federal ESA, is listed as rare pursuant to the California ESA, and is designated as a CRPR 3.2 species. This species is an herbaceous annual that occurs in chaparral, cismontane woodland, and valley and foothill grassland (CNPS 2019). Tracy's eriastrum blooms from May through July and is known to occur at elevations ranging from 1,033 to 5,840 feet above MSL (CNPS 2019). Tracy's eriastrum is endemic to California; the current range of this species includes Colusa, Fresno, Glenn, Kern, Lake, Santa Clara, Shasta, Stanislaus, Tehama, Trinity, and Tulare counties (CNPS 2019).

The nearest CNDDB occurrence of this species is approximately two miles from the Study Area (CDFW 2019a). The riparian woodland provides marginal habitat for this plant species.

## **Kings River Monkeyflower**

Kings River monkeyflower (*Erythranthe acutidens*) is not listed pursuant to the federal or California ESAs but is designated as a CRPR 3 species. This species is an herbaceous annual that occurs in cismontane woodland and lower montane coniferous forest (CNPS 2019). Kings River monkeyflower blooms from April through July and is known to occur at elevations ranging from 1,001 to 4,003 feet above MSL (CNPS 2019). Kings River monkeyflower is endemic to California; the current range of this species includes Fresno, Madera, and Tulare counties (CNPS 2019).

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019a). However, the riparian woodland provides marginal habitat for this plant species.

# Slender-stalked Monkeyflower

Slender-stalked monkeyflower (*Erythranthe gracilipes*) is not listed pursuant to the federal or California ESAs but is designated as a CRPR 1B.2 species. This species is an herbaceous annual that occurs on decomposed granite substrates in chaparral, cismontane woodland, and lower montane coniferous forest (CNPS 2019). Slender-stalked monkeyflower blooms from April through June and is known to occur at elevations ranging from 1,640 to 4,265 feet above MSL (CNPS 2019). Slender-stalked monkeyflower is endemic to California; the current range of this species includes Fresno, Madera, and Mariposa counties (CNPS 2019).

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019a). However, the riparian woodland provides marginal habitat for this plant species.

#### **Madera Leptosiphon**

Madera leptosiphon (*Limosella serrulatus*) is not listed pursuant to either the federal or California ESAs but is designated as a CRPR 1B.2 species. This species is an herbaceous annual that occurs in cismontane woodland and lower montane coniferous forest (CNPS 2019). Madera leptosiphon blooms between April and May and is known to occur at elevations ranging from 984 to 4,265 feet above MSL (CNPS 2019). Madera leptosiphon is endemic to California; its current range includes Fresno, Kern, Madera, Mariposa and Tulare counties (CNPS 2019).

The nearest CNDDB occurrence is approximately four miles from the Study Area (CDFW 219). The riparian woodland provides marginal habitat for this plant species.

## **Orange Lupine**

Orange lupine (*Lupinus citrinus* var. *citrinus*) is not listed pursuant to either the federal or California ESAs but is designated as a CRPR 1B.2 species. This species is an herbaceous annual that occurs in granitic soils in chaparral, cismontane woodland, and low montane coniferous forest (CNPS 2019). Orange lupine blooms between April and July and is known to occur at elevations ranging from 1,246 to 5,577 feet above MSL (CNPS 2019). Orange lupine is endemic to California; its current range includes Fresno and Madera counties (CNPS 2019).

There is one CNDDB occurrence of less than one mile from the Study Area (CDFW 2019a). The riparian woodland provides marginal habitat for this plant species.

#### **Oval-leaved Viburnum**

Oval-leaved viburnum (*Viburnum ellipticum*) is not listed pursuant to either the federal or California ESAs but is designated as a CRPR 2B.3 species. This species is a perennial deciduous shrub that occurs in chaparral, cismontane woodland, and lower montane coniferous forest communities. Oval-leaved viburnum blooms from May through June and is known to occur at elevations ranging from 705 to 4,593 feet above MSL (CNPS 2019). The current range of this species in California includes Alameda, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Lake, Mendocino, Mariposa, Napa, Placer, Shasta, Solano, Sonoma, and Tehama counties (CNPS 2019).

The nearest CNDDB occurrence is approximately three miles from the Study Area (CDFW 2019a). The riparian woodland provides marginal habitat for this plant species.

## 4.4.1.6 Special-Status Wildlife

Special-Status Amphibians

Marginally suitable upland habitat for one special-status amphibian species, foothill yellow-legged frog (*rana boylii*), is present within the Project site.

There is one documented CNDDB occurrences of this species located approximately five miles north of the Study Area (CDFW 2019). The sand and sediment substrate of Little Sandy Creek is not high quality habitat for this species. However, ECORP site reconnaissance and literature review cannot preclude the potential of occurrence for foothill yellow-legged frog within the Study Area.

Special-Status Reptiles

Marginally suitable upland habitat for one special-status reptile species, Northwestern pond turtle (*Actinemys marmorata*), is present within the Project site.

There are three CNDDB occurrences of Northwestern pond turtle within five miles of the Study Area, with the closest approximately one mile to the north (CDFW 2019). While Little Sandy Creek is a seasonal creek, the potential for Northwestern pond turtle occurrence within the Study Area cannot be ruled out.

Special-Status Birds

Suitable nesting habitat for two special-status bird species is present within the Study Area. If nesting individuals are present during construction, the Project could result in harassment to nesting individuals and may temporarily disrupt foraging activities.

## **Nuttall's Woodpecker**

The Nuttall's woodpecker (*Dryobates nuttallii*) is not listed and protected under either federal or state ESAs, but is considered a USFWS BCC. They are resident from Siskiyou County south to Baja California. Nuttall's woodpecker nests in tree cavities primarily within oak woodlands, but also can be found in riparian woodlands (Lowther 2000). Breeding occurs during April through July.

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland onsite supports suitable nesting habitat for this species.

# **Oak Titmouse**

Oak titmouse (*Baeolophus inornatus*) is not listed and protected under either federal or state ESAs, but are considered a USFWS BCC. Oak titmouse breeding range includes southwestern Oregon south through California's Coast, Transverse and Peninsular ranges, western foothills of the Sierra Nevada, into Baja California; they are absent from the humid northwestern coastal region and the San Joaquin Valley (Cicero et al. 2017). They are found in dry oak or oak-pine woodlands, but may also use scrub oaks or other brush near woodlands (Cicero et al. 2017). Nesting occurs during March through July.

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland onsite supports suitable nesting habitat for this species.

Special-Status Mammals

Suitable habitat for three special-status mammal species is present within the Project site.

#### **Greater Mastiff Bat**

The greater mastiff bat (*Eumops perotis californicus*) is not listed pursuant to either the California or federal ESAs; however, this species is considered an SSC by CDFW. The greater mastiff bat is the largest North American molossid (free-tailed bat) with a forearm length of 73-83 mm. This species has a disjunct distribution and ranges from central Mexico across the southwestern United States, and throughout California to within a few miles of the Oregon border. The greater mastiff bat can be found in a variety of habitats, including desert scrub, chaparral, oak woodland, the ponderosa pine belt, and at high elevation meadows and mixed conifer forests. This species is primarily a cliff-dwelling species and roosting colonies are generally found under exfoliating rock slabs. Roosts have also been identified in similar crevices in large boulders and buildings. Foraging has been documented as high as 2000 feet above the ground, although 100 to 200 feet is more typical. This species is most commonly encountered in open broad open areas including dry desert washes, flood plains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas. The diet of the greater mastiff bat consists primarily of moths, but also includes beetles, crickets, and katydids (Western Bat Working Group [WBWG] 2019).

There are three documented CNDDB occurrences of this species located within five miles of the Study Area (CDFW 2019). Some of the building within the Study Area represent potential roost sites. Pallid bat has potential to occur within the Study Area.

#### **Pallid Bat**

The pallid bat (Antrozous pallidus) is not listed pursuant to either the federal or California ESAs; however, this species is considered an SSC by CDFW. The pallid bat is a large, light-colored bat with long, prominent ears and pink, brown, or grey wing and tail membranes. This species ranges throughout North America from the interior of British Columbia, south to Mexico, and east to Texas. The pallid bat inhabits low elevation (below 6,000 feet) rocky arid deserts and canyonlands, shrub-steppe grasslands, karst formations, and higher elevation coniferous forest (above 7,000 feet). This species roosts alone or in groups in the crevices of rocky outcrops and cliffs, caves, mines, trees, and in various human structures such as bridges, and barns. Pallid bats are feeding generalists that glean a variety of arthropod prey from surfaces as well as capturing insects on the wing. Foraging occurs over grasslands, oak savannahs, ponderosa pine forests, talus slopes, gravel roads, lava flows, fruit orchards, and vineyards. Although this species utilizes echolocation to locate prey, often they use only passive acoustic cues. This species is not thought to migrate long distances between summer and winter sites (WBWG 2019).

There are no documented CNDDB occurrences of this species located within five miles of the Study Area (CDFW 2019). However, some of the structures within the Study Area represent potential hibernacula. Pallid bat has potential to occur within the Study Area.

#### **Townsend's Big-Eared Bat**

The Townsend's big-eared bat (*Corynorhinus townsendii*) is not listed pursuant to either the federal or California ESAs; however, this species is considered an SSC by CDFW. Townsend's big-eared bat is a fairly large bat with prominent bilateral noes lumps and large "rabbit-like" ears. This species occurs throughout the west and ranges from the southern portion of British Columbia south along the Pacific coast to central Mexico and east into the Great Plains. This species has been reported from a wide variety of habitat types and elevations from sea level to 10,827 feet. Habitats used include coniferous forests, mixed meso-phytic forests, deserts, native prairies, riparian communities, active agricultural areas, and coastal habitat types. Its distribution is strongly associated with the availability of caves and cave-like roosting habitat including abandoned mines, buildings, bridges, rock crevices, and hollow trees. This species is readily detectable when roosting due to their habit of roosting pendant-like on open surfaces. Townsend's big-eared bat is a moth specialist with more than 90 percent of its diet composed of Lepidopterans. Foraging habitat is generally edge habitats along streams adjacent to and within a variety of wooded habitats. This species often travels long distances when foraging and large home ranges have been documented in California (WBWG 2019).

There are no documented CNDDB occurrences of this species located within five miles of the Study Area (CDFW 2019). However, some of the structures within the Study Area represent potential hibernacula. Townsend's big-eared bat has potential to occur within the Study Area.

#### 4.4.1.7 Wildlife Movement Corridors

The Project site, located in rural Auberry, Fresno County, does not support significant wildlife use due to the disturbed nature of the habitats. However, Little Sandy Creek and associated riparian corridor supports a moderate to high likelihood of wildlife use, particularly now that the school has been abandoned.

# 4.4.2 Regulatory Setting

# 4.4.2.1 Federal Regulations

## Federal Endangered Species Act

The federal ESA protects plants and animals that are listed by the U.S. Fish and Wildlife Service (USFWS) and the National Marine Fisheries Service (NMFS) as endangered or threatened. Section 9 of the ESA prohibits the taking of listed wildlife, where take is defined as "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct" (50 Code of Federal Regulations [CFR] 17.3). For plants, this statute governs removing, possessing, maliciously damaging, or destroying any listed plant on federal land and removing, cutting, digging up, damaging, or destroying any listed plant on non-federal land in knowing violation of state law (16 U.S. Code [USC] 1538). The ESA requires that at the same time the decision is made to list a species, the Secretary of the Interior must develop a recovery plan for the species and, with certain exceptions, designate the critical habitat of the species. Critical habitat consists of "the specific areas within the geographical area occupied by the species, at the time it is listed ... on which are found those physical or biological features (I) essential to the conservation of the species and (II) which may require special management considerations or protection."

#### Section 7

Under Section 7 of the ESA, federal agencies are required to consult with the USFWS and/or NMFS if their actions, including permit approvals or funding, could adversely affect a listed (or proposed) species (including plants) or its critical habitat. Through consultation and the issuance of a biological opinion, the USFWS and/or NMFS reviews and approves a Biological Assessment (BA) and may issue an incidental take statement allowing take of the species that is incidental to an otherwise authorized activity provided the activity will not jeopardize the continued existence of the species.

# Section 10

When no discretionary action is being taken by a federal agency, but a project may result in the take of listed species, an incidental take permit under Section 10 of the ESA is necessary. The purpose of the incidental take permit is to authorize the take of federally listed species that may result from an otherwise lawful activity; not to authorize the activities themselves. In order to obtain an incidental take permit under Section 10, an application must be submitted that includes a Habitat Conservation Plan (HCP). In some instances, applicants, USFWS, and/or NMFS may determine that an HCP is necessary or prudent, even if a discretionary federal action will not occur. The purpose of the HCP planning process associated with the permit application is to ensure that adequate minimization and mitigation for impacts to listed species and/or their critical habitat will occur.

# Magnuson-Stevens Fishery Conservation and Management Act

In accordance with the Magnuson-Stevens Fishery Conservation and Management Act, as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-267), federal agencies are required to consult with the NMFS for activities that may affect Essential Fish Habitat (EFH). EFH are the waters and substrate necessary for fish spawning, breeding, feeding, or growth to maturity, and include several important components: adequate substrate; water quality; water quantity, depth, and velocity; channel gradient and stability; food; cover, and habitat complexity; space; access and passage; and habitat connectivity. The EFH consultation process is separate from ESA consultation, though the two often happen simultaneously through the Section 7 ESA BA. The EFH consultation with NMFS may result in project conservation recommendations to avoid, reduce, or compensate impacts to EFH.

## Migratory Bird Treaty Act

The MBTA implements international treaties between the U.S. and other nations devised to protect migratory birds, any of their parts, eggs, and nests from activities such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations or by permit. As authorized by the MBTA, the USFWS issues permits to qualified applicants for the following types of activities: falconry, raptor propagation, scientific collecting, special purposes (rehabilitation, education, migratory game bird propagation, and salvage), take of depredating birds, taxidermy, and waterfowl sale and disposal. The regulations governing migratory bird permits can be found in 50 CFR Part 13 General Permit Procedures and 50 CFR Part 21 Migratory Bird Permits. The State of California has incorporated the protection of birds of prey in Sections 3800, 3513, and 3503.5 of the California Fish and Game Code.

# Bald and Golden Eagle Protection Act

The Bald and Golden Eagle Protection Act of 1940 (as amended) provides for the protection of bald eagle and golden eagle by prohibiting the take, possession, sale, purchase, barter, offer to sell, purchase or barter, transport, export or import, of any bald or golden eagle, alive or dead, including any part, nest, or egg, unless allowed by permit [16 USC 668(a); 50 CFR 22]. USFWS may authorizes take of bald eagles and golden eagles for activities where the take is associated with, but not the purpose of, the activity and cannot practicably be avoided (50 CFR 22.26).

# Federal Clean Water Act

The purpose of the federal Clean Water Act (CWA) is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Section 404 of the CWA prohibits the discharge of dredged or fill material into "Waters of the U.S." without a permit from the U.S. Army Corps of Engineers (USACE). The definition of Waters of the U.S. includes rivers, streams, estuaries, the territorial seas, ponds, lakes, and wetlands. Wetlands are defined as those areas "that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (33 CFR 328.3 7b). The USEPA also has authority over wetlands and may override a USACE permit.

Substantial impacts to wetlands may require an individual permit. Projects that only minimally affect wetlands may meet the conditions of one of the existing Nationwide Permits. A Water Quality Certification

or waiver pursuant to Section 401 of the CWA is required for Section 404 permit actions; this certification or waiver is issued by the Regional Water Quality Control Board (RWQCB).

The alteration of a USACE federally authorized civil works project requires a permit pursuant to Section 408 (33 USC 408, Section 14 of the Rivers and Harbors Act of 1899). Projects with minimal impacts require approval by the USACE Sacramento District Construction Operations Group; however, projects with more substantial impacts may require USACE Headquarters review. Coordination with the Central Valley Flood Protection Board, who serve as the Non-Federal Sponsor, is required as a part of the process of obtaining a Section 408 permit.

# 4.4.2.2 State and Local Regulations

## California Fish and Game Code

The California ESA (California Fish and Game Code §§ 2050-2116) generally parallels the main provisions of the ESA, but unlike its federal counterpart, the California ESA also applies the take prohibitions to species proposed for listing (called candidates by the State). Section 2080 of the California Fish and Game Code prohibits the taking, possession, purchase, sale, and import or export of endangered, threatened, or candidate species, unless otherwise authorized by permit or in the regulations. Take is defined in Section 86 of the California Fish and Game Code as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." The California ESA allows for take incidental to otherwise lawful development projects. State lead agencies are required to consult with CDFW to ensure that any action they undertake is not likely to jeopardize the continued existence of any endangered, threatened, or candidate species or result in destruction or adverse modification of essential habitat.

# Fully Protected Species

The State of California first began to designate species as "fully protected" prior to the creation of the federal and California ESAs. Lists of fully protected species were initially developed to provide protection to those animals that were rare or faced possible extinction and included fish, amphibians and reptiles, birds, and mammals. Most fully protected species have since been listed as threatened or endangered under the federal and/or California ESAs. The regulations that implement the Fully Protected Species Statute (California Fish and Game Code § 4700 for mammals, § 3511 for birds, § 5050 for reptiles and amphibians, and § 5515 for fish) provide that fully protected species may not be taken or possessed at any time. Furthermore, the CDFW prohibits any state agency from issuing incidental take permits for fully protected species. The CDFW will issue licenses or permits for take of these species for necessary scientific research or live capture and relocation pursuant to the permit.

#### Native Plant Protection Act

The Native Plant Protection Act (NPPA) of 1977 was created with the intent to "preserve, protect and enhance rare and endangered plants in this State." The NPPA is administered by CDFW and provided in California Fish and Game Code §§ 1900-1913. The Fish and Wildlife Commission has the authority to designate native plants as "endangered" or "rare" and to protect endangered and rare plants from take. The California ESA of 1984 (California Fish and Game Code § 2050-2116) provided further protection for rare and endangered plant species, but the NPPA remains part of the California Fish and Game Code.

#### California Native Birds

Several Sections (3800, 3513, and 3503) of the California Fish and Game Code specifically protect birds. Section 3800 protects birds of prey and states that it is unlawful to take nongame birds, such as those occurring naturally in California that are not resident game birds, migratory game birds, or fully protected birds, except when in accordance with regulations of the commission or a mitigation plan approved by CDFW for mining operations. Section 3513 specifically prohibits the take or possession of any migratory nongame bird as designated in the MBTA.

Section 3503 of the California Fish and Game Code prohibits the take, possession, or needless destruction of the nest or eggs of any bird. Additionally, Subsection 3503.5 prohibits the take, possession, or destruction of any birds and their nests in the orders Strigiformes (owls) or Falconiformes (hawks and eagles). These provisions, along with the federal MBTA, serve to protect nesting native birds.

# Species of Special Concern

Species of Special Concern (SSC) are defined by CDFW as a species, subspecies, or distinct population of an animal native to California that are not legally protected under the federal or California ESAs, or the California Fish and Game Code, but currently satisfy one or more of the following criteria:

- The species has been completely extirpated from the state or, as in the case of birds, it has been extirpated from its primary seasonal or breeding role;
- The species is listed as federally (but not state) threatened or endangered, or meets the state definition of threatened or endangered but has not formally been listed;
- The species has or is experiencing serious (noncyclical) population declines or range retractions (not reversed) that, if continued or resumed, could qualify it for state threatened or endangered status;
- The species has naturally small populations that exhibit high susceptibility to risk from any factor that if realized, could lead to declines that would qualify it for state threatened or endangered status.

SSC are typically associated with habitats that are threatened. Project-related impacts to SSC, state-threatened, or endangered species are considered "significant" under CEQA.

#### California Rare Plant Ranks

The CNPS maintains the *Inventory of Rare and Endangered Plants of California* (CNPS 2019), which provides a list of plant species native to California that are threatened with extinction, have limited distributions, and/or low populations. Plant species meeting one of these criteria are assigned to one of six California Rare Plant Ranks (CRPRs). The rank system was developed in collaboration with government, academia, non-governmental organizations, and private sector botanists, and is jointly managed by CDFW and the CNPS. The CRPRs are currently recognized in the California Natural Diversity Database (CNDDB). The following are definitions of the CNPS CRPRs:

Rare Plant Rank 1A – presumed extirpated in California and either rare or extinct elsewhere

- Rare Plant Rank 1B rare, threatened, or endangered in California and elsewhere
- Rare Plant Rank 2A presumed extirpated in California, but more common elsewhere
- Rare Plant Rank 2B rare, threatened, or endangered in California but more common elsewhere
- Rare Plant Rank 3 a review list of plants about which more information is needed
- Rare Plant Rank 4 a watch list of plants of limited distribution

Additionally, the CNPS has defined Threat Ranks that are added to the CRPR as an extension. Threat Ranks designate the level of threat on a scale of 1 through 3, with 1 being the most threatened and 3 being the least threatened. Threat Ranks are generally present for all plants ranked 1B, 2B, or 4, and for most plants ranked 3. Plant species ranked 1A and 2A (presumed extirpated in California), and some species ranked 3, which lack threat information, do not typically have a Threat Rank extension. The following are definitions of the CNPS Threat Ranks:

- Threat Rank 0.1 Seriously threatened in California (more than 80 percent of occurrences threatened/high degree and immediacy of threat)
- Threat Rank 0.2 Moderately threatened in California (20-80 percent occurrences threatened/moderate degree and immediacy of threat)
- Threat Rank 0.3 Not very threatened in California (less than 20 percent of occurrences threatened/low degree and immediacy of threat or no current threats known)

Factors, such as habitat vulnerability and specificity, distribution, and condition of occurrences, are considered in setting the Threat Rank, and differences in Threat Ranks do not constitute additional or different protection (CNPS 2019). Depending on the policy of the lead agency, substantial impacts to plants ranked 1A, 1B, or 2 are typically considered significant under CEQA Guidelines § 15380. Significance under CEQA is typically evaluated on a case-by-case basis for plants ranked 3 or 4.

#### Porter-Cologne Water Quality Act

The RWQCB implements water quality regulations under the federal CWA and the Porter-Cologne Water Quality Act. These regulations require compliance with the NPDES, including compliance with the California Storm Water NPDES General Construction Permit for discharges of stormwater runoff associated with construction activities. General Construction Permits for projects that disturb one or more acres of land require development and implementation of a SWPPP. Under the Porter-Cologne Water Quality Act, the RWQCB regulates actions that would involve "discharging waste, or proposing to discharge waste, with any region that could affect the water of the state" (Water Code 13260(a)). Waters of the State are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" (Water Code 13050 (e)). The RWQCB regulates all such activities, as well as dredging, filling, or discharging materials into Waters of the State, that are not regulated by USACE due to a lack of connectivity with a navigable water body. The RWQCB may require issuance of Waste Discharge Requirements for these activities.

#### California Environmental Quality Act

In accordance with CEQA Guidelines § 15380, a species not protected on a federal or state list may be considered rare or endangered if the species meets certain specified criteria. These criteria follow the definitions in the federal and California ESAs and §§ 1900-1913 of the California Fish and Game Code, which deal with rare or endangered plants or animals. Section 15380 was included in the CEQA Guidelines primarily to deal with situations where a project under review may have a significant effect on a species that has not yet been listed by either USFWS or CDFW.

#### CEQA Significance Criteria

Sections 15063-15065 of the CEQA Guidelines address how an impact is identified as significant and are particularly relevant to SSC. Generally, impacts to listed (rare, threatened, or endangered) species are considered significant and when considered unavoidable/unmitigable require lead agencies to prepare an EIR to thoroughly analyze and evaluate the impacts. Assessment of "impact significance" to populations of non-listed species (e.g., SSC) usually considers the proportion of the species' range that will be affected by a project, impacts to habitat, and the regional and population level effects.

Specifically, § 15064.7 of CEQA Guidelines encourages local agencies to develop and publish the thresholds that the agency uses in determining the significance of environmental effects caused by projects under its review. However, agencies may also rely upon the guidance provided by the expanded Initial Study checklist contained in Appendix G of the CEQA Guidelines, which provides examples of impacts that would normally be considered significant. Based on these examples, impacts to biological resources would normally be considered significant if the project would:

- have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or USFWS;
- have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by CDFW or USFWS;
- have a substantial adverse effect on federally protected Waters of the U.S. including wetlands as defined by Section 404 of the CWA (including, but not limited to, marsh, vernal pool, and coastal) through direct removal, filling, hydrological interruption, or other means;
- interfere substantially with the movement of any native resident or migratory fish or wildlife species, or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites;
- conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; or
- conflict with the provisions of an adopted HCP, Natural Community Conservation Plan (NCCP), or other approved local, regional, or state HCP.

An evaluation of whether an impact on biological resources would be substantial must consider both the resource itself and how that resource fits into a regional or local context. Substantial impacts would be those that would diminish, or result in the loss of, an important biological resource, or those that would obviously conflict with local, state, or federal resource conservation plans, goals, or regulations. Impacts are sometimes locally important but not significant according to CEQA. The reason for this is that although the impacts would result in an adverse alteration of existing conditions, they would not substantially diminish or result in the permanent loss of an important resource on a population-wide or region-wide basis.

#### Sensitive Natural Communities

Sensitive natural communities are communities that are of limited distribution statewide or within a county or region and are often vulnerable to environmental effects of projects. The CDFW maintains the *California Natural Communities List* (CDFW 2019a), which provides a list of vegetation alliances, associations, and special stands as defined in the *Manual of California Vegetation* (Sawyer et al. 2009), along with their respective state and global rarity ranks. Natural communities with a state rarity rank of 1, 2, or 3 are considered *sensitive* natural communities. Depending on the policy of the lead agency, impacts to sensitive natural communities may be considered significant under CEQA.

#### Wildlife Movement/Corridors and Nursery Sites

CDFW's Biogeographic Information and Observation System (BIOS) database, the CDFW Mule Deer Range, identifies winter range, migration corridors, critical range, or critical fawning areas for mule deer (CDFW 2019b). For urban settings such as the Project, riparian vegetated stream corridors can also serve as wildlife movement corridors.

For the purpose of this analysis, both mule deer migration corridors and riparian stream corridors were assessed for their potential to support wildlife movement on the Project site.

For the purpose of this analysis, nursery sites include, but are not limited to, concentrations of nest or den sites such as heron rookeries, bat maternity roosts, and mule deer critical fawning areas. This data is available through CDFW's BIOS database or as occurrence records in the CNDDB and is supplemented with the results of the field reconnaissance.

#### 4.4.2.3 Local Plans and Ordinances

#### Fresno County General Plan (2000)

The Open Space and Conservation Element of the 2000 Fresno County General Plan is concerned with protected and preserving natural resources, preserving open space areas, managing the production of commodity resources, protecting and enhancing cultural resources, and providing recreational opportunities. The following Goals and Policies are pertinent to biological resources found within the Study Area.

Goal OS-D To conserve the function and values of wetlands communities and related riparian areas throughout Fresno County while allowing compatible uses where appropriate. Protection

- of these resource functions will positively affect aesthetics, water quality, floodplain management, ecological functions, and recreation/tourism.
- Goal OS-E.1 To help protect, restore, and enhance habitats in Fresno County that support fish and wildlife species so that populations are maintained at viable levels.
- Goal OS-F To preserve and protect the valuable vegetation resources of Fresno County.
- Policy OS-D.4 The County shall require riparian protection zones around natural watercourses and shall recognize that these areas provide highly valuable wildlife habitat.
- Policy OS-D.6 The County shall require new private or public developments to preserve and enhance existing native riparian habitat unless public safety concerns require removal of habitat for flood control or other purposes.
- Policy OS-E.1 The County shall support efforts to avoid the "net" loss of important wildlife habitat where practicable.
- Policy OS-E.2 The County shall require adequate buffer zones between construction activities and significant wildlife resources, including both onsite habitats that are purposely avoided and significant habitats that are adjacent to the project site, in order to avoid the degradation and disruption of critical life cycle activities such as breeding and feeding.
- Policy OS-E.5 The County shall support preservation of habitats of rare, threatened, endangered, and/or other special-status species including fisheries.
- Policy OS-E.6 The County shall ensure the conservation of large, continuous expanses of native vegetation to provide habitat for maintaining abundant and diverse wildlife populations, as long as this preservation does not threaten the economic well-being of the county.
- Policy OS-E.13 The County should protect to the maximum extent practicable wetlands, riparian habitat, and meadows since they are recognized as essential habitats for birds and wildlife.
- Policy OS-E.18 The County should preserve, to the maximum possible extent, areas defined as habitats for rare or endangered animals and plant species in a natural state consistent with State and Federal endangered species laws.
- Policy OS-F.3 The County shall support the preservation of significant areas of natural vegetation including, but not limited to, oak woodlands, riparian areas, and vernal pools.
- Policy OS-F.10 The County shall promote the preservation of oak woodlands by encouraging landowners to follow the Fresno County Oak Management Guidelines and to prepare an Oak Management Plan for their property.

# 4.4.3 Biological Resources (IV) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?		x		

# Less than significant impact with mitigation incorporated.

#### 4.4.3.1 Invertebrates and Fish

The Project Site does not provide suitable habitat for any special-status invertebrate or fish. Therefore, there would be no impact and these species are not discussed further.

#### 4.4.3.2 Special-Status Plants

There is suitable habitat within the Project site for eight special-status plant species. The riparian corridor associated with Little Sandy Creek is the only vegetation community/habitat onsite that supports potential habitat for these species. Since there are no proposed impacts to the riparian woodland, no special-status plant surveys are recommended.

#### 4.4.3.3 Special-Status Amphibians

Marginally suitable upland habitat for one special-status amphibian species, foothill yellow-legged frog, is present within the Project site. With implementation of Mitigation Measure **BIO-1**, potential impacts to the foothill yellow-legged frog will be less than significant.

#### 4.4.3.4 Special-Status Reptiles

Marginally suitable upland habitat for one special-status reptile species, Northwestern pond turtle, is present within the Project site. With implementation of Mitigation Measure **BIO-2**, potential impacts to Northwestern pond turtle.

#### 4.4.3.5 Special-Status Birds

Suitable nesting habitat for two special-status bird species, Nuttall's woodpecker and Oak titmouse, is present within the Study Area. If nesting individuals are present during construction, the Project could result in harassment to nesting individuals and may temporarily disrupt foraging activities.

In addition to the above-listed special-status birds, all native birds, including raptors, are protected under the California Fish and Game Code and the federal MBTA. Implementation of Mitigation Measure **BIO-3**, will ensure that there are no impacts to active nests.

#### 4.4.3.6 Special-Status Mammals

Suitable habitat for three special-status mammal species, Greater Mastiff Bat, Pallid Bat, and Townsend's Big-eared bat, is present within the Project site. Implementation of Mitigation Measure **BIO-4** will ensure that these species are not impacted by Project activities.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				x

#### No Impact.

The riparian woodland is located along the western and southern boundary of the Study Area along Little Sandy Creek, which is a seasonal creek. The riparian woodland has a relatively open canopy of Valley oak, interior live oak, gray pine, and Fremont's cottonwood. The open understory is made up of herbaceous grasses and herbs, such as Italian ryegrass, Bermuda grass, miner's lettuce, hedge parsley, chicory, and rough cockle-bur. Little Sandy Creek, seasonal, has been mapped along the western boundary of the Study Area. The seasonal creek ranges from 15 to 25 feet wide and is characterized by intermittent flows during the wet season and probably dry during the dry season. There is no emergent vegetation growing in the bed of the creek. Proposed Project improvements have been designed to avoid impacts to riparian habitat.

There are numerous oak trees in the riparian corridor of Little Sandy Creek. This area will be preserved, and no impacts to these trees are anticipated. There are scattered oak trees within the existing school grounds. There are numerous oak trees in the riparian corridor of Little Sandy Creek. This area will be preserved, and no impacts to these trees are anticipated.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				x

#### No Impact.

There are no aquatic resources in the old school grounds and ball field portions of the Study Area. One seasonal creek (Little Sandy Creek) has been mapped along the western and southern boundaries of the project site. However, the Project is implementing a 100-foot setback from Little Sandy Creek. Therefore,

no impacts to riparian vegetation or the seasonal creek are anticipated. A CDFW 1602 Streambed Alteration Agreement is not anticipated.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?			х	

#### Less than significant.

Wildlife have potential to use the Project Site for movement, especially the riparian corridors. However, the site plan avoids and preserves the majority of riparian habitat within open space avoidance areas, which include buffers to protect sensitive resources. Therefore, Project implementation would not constitute a significant loss of the available migration habitat in the area. Impacts would be less than significant, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
e)	Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				х

#### No Impact.

The Open Space and Conservation Element of the 2000 Fresno County General Plan is concerned with protected and preserving natural resources, preserving open space areas, managing the production of commodity resources, protecting and enhancing cultural resources, and providing recreational opportunities. The Proposed Project does not conflict with local policies or ordinances protecting wildlife. The Fresno County General Plan includes the County Oak Woodlands Management Guidelines (Fresno County General Plan Policy OS-F.10). The Proposed Project does not include removal of Oak trees. No impact would occur, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
f)	Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?				X

#### No impact.

The Project site is not located within or adjacent to an HCP or NCCP. There would be no impact, and no mitigation is required.

# 4.4.4 Mitigation Measures

- **BIO-1:** Conduct Pre-Construction Sensitive Amphibians Surveys. The following shall be conducted prior to initiation of Project construction:
  - Conduct a preconstruction clearance survey for foothill yellow-legged frog within 48 hours prior to the start of construction. If foothill yellow-legged frogs are observed, work would not proceed until consultation with CDFW has taken place, and avoidance measures (such as exclusionary fencing and biological monitoring) would likely be required.
- **BIO-2:** Conduct Pre-Construction Northwestern pond turtle surveys. The following shall be conducted prior to initiation of Project construction:
  - Conduct a preconstruction clearance survey for Northwestern pond turtle within 48 hours prior to the start of construction. If Northwestern pond turtles are observed in the construction zone, a qualified biologist shall relocate the turtle to a location away from the construction zone.
- **BIO-3:** Conduct Pre-Construction Bird Nesting Surveys. The following shall be conducted prior to initiation of Project construction:
  - Conduct a preconstruction nesting raptor and bird survey of all suitable habitat on the Project site within 14 days of the commencement of construction during the nesting season (February 1 August 31). Where accessible, surveys should be conducted within 300 feet of the Project site for nesting raptors and within 100 feet of the Project site for nesting birds.
  - If active nests are found, a no-disturbance buffer around the nest shall be established. The buffer distance shall be established by a qualified biologist in consultation with CDFW. The buffer shall be maintained until the fledglings are capable of flight and become independent of the nest tree, to be determined by a qualified biologist. Once the young are independent of the nest, no further measures are necessary. Pre-construction nesting surveys are not required for construction activity outside the nesting season.
- **BIO-4: Special-Status Mammals Surveys.** The following shall be conducted prior to initiation of Project construction:
  - Conduct preconstruction roosting bat surveys for all suitable roosting habitat (i.e., trees and manmade structures) no more than a year prior to the start of construction activities. If suitable roosting habitat is identified, a qualified biologist will conduct an evening bat emergence survey (within a week or less from the start of construction) that may include acoustic monitoring to determine whether or not bats are present. If bats are found, consultation with CDFW prior to initiation of disturbance of suitable roosting habitat will be

required. If bats are not found during the preconstruction surveys, no further measures will be necessary.

#### 4.5 Cultural Resources

# 4.5.1 Environmental Setting

The Project Area consists of ±18 acres of property located in the northern half of Section 8 of Township 10 South, Range 23 East, Mount Diablo Base and Meridian, as depicted on the 1987 Auberry, California USGS 7.5-minute topographic quadrangle map. It is also known as Assessor's Parcel Numbers (APNs) 128-560-12T and 128-560-02T.

ECORP Consulting, Inc. conducted a cultural resources inventory and evaluation for the Proposed Project. The inventory included a records search, a search of the Sacred Lands File by the Native American Heritage Commission (NAHC), a literature review, and a field survey. The records search results indicated that two previous cultural resources studies have been conducted within a small portion of the Project Area. No resources have previously been recorded within the Project Area as a result of those studies.

As a result of the field survey, one cultural resource was recorded inside the Project Area: AB-001, the historic-period Auberry Elementary School campus. The Auberry Elementary School campus was evaluated using California Register of Historical Resources (CRHR) and National Register of Historical Places (NRHP) eligibility criteria and was found not eligible for inclusion in the CRHR and NRHP. Further, it does not meet the threshold for status as a California Historical Landmark. Therefore, it is not considered an Historical Resource under CEQA or an Historic Property under Section 106 of the National Historic Preservation Act (NHPA). Recommendations for the management of unanticipated discoveries are also provided.

#### 4.5.1.1 Local Prehistory

The San Joaquin Valley and adjacent Sierra foothills have a long and complex cultural history with distinct regional patterns that extend back more than 11,000 years (McGuire 1995). The first generally agreed-upon evidence for the presence of pre-contact peoples in the region is represented by the distinctive basally thinned and fluted projectile points, found on the margins of extinct lakes in the San Joaquin Valley. These projectiles, often compared to Clovis points, have been found at three localities in the San Joaquin Valley including along the Pleistocene shorelines of former Tulare Lake (approximately 90 miles southeast of the Tesoro Viejo Master Planned Community Area). Based on evidence from these sites and other well-dated contexts elsewhere, the Paleo-Indian hunters who used these spear points existed during a narrow time range of 11,550 to 8,550 before present (BP, Rosenthal et al. 2007).

About 8,000 years ago, many California cultures shifted the main focus of their subsistence strategies from hunting to nut and seed gathering, as evidenced by the increase in food-grinding implements found in archeological sites dating to this period. This cultural pattern is best known for southern California, where it has been termed the Millingstone Horizon (Wallace 1978), but recent studies suggest that the horizon may be more widespread than originally described and is found throughout the region during the Middle

Archaic Period. Radiocarbon dates associated with this period vary between 8,000 and 2,000 BP, although most cluster in the 6,000 to 4,000 BP range (Basgall and True 1985).

Early Middle Archaic sites are relatively rare on the valley floor. However, early Middle Archaic sites are relatively common in the Sierra foothills, and the mainly utilitarian assemblages recovered show relatively little change from the preceding period with a continued emphasis on acorns and pine nuts. Few bone or shell artifacts, beads, or ornaments have been recovered from these localities. Projectile points from this period reflect a high degree of regional morphological variability, with an emphasis on local tool stone material supplemented with a small amount of obsidian from eastern sources.

The period between approximately 1,000 BP and Euro-American contact is referred to as the Emergent Period. The Emergent Period is marked by the introduction of bow-and-arrow technology, which replaced the dart and atlatl at about 1,100 to 800 BP. In the San Joaquin region, villages and small residential sites developed along the many stream courses in the lower foothills and along the river channels and sloughs of the valley floor. A local form of pottery was developed in the southern Sierra foothills along the Kaweah River. While many sites with rich archaeological assemblages have been documented in the northern Central Valley, relatively few sites have been documented from this period in the southern Sierra foothills and adjacent valley floor, despite the fact that the ethnographic record suggests dense populations for this region.

#### 4.5.1.2 Project Area History

Fresno County extends eastward from the San Joaquin Valley through the Sierra Nevada foothills to the crest of the Sierras at over 12,000 feet in elevation. The San Joaquin River forms the northern boundary of the county. The Kings River flows from the Sierras through the central part of the county. The topographical and climate conditions promoted a rich history of agriculture and ranching in Fresno County (Fresno County Chamber of Commerce 1900). Prior to 1848 in California, cattle were used for their hides and tallow (Jelinek 1982); an average size steer would cost as much as \$4 per head and was often sold at ranchos. The onset of the Gold Rush in 1848, however, resulted in a huge influx of miners and settlers into California, which raised the demand for beef in the growing cities of San Francisco, Sacramento, and the surrounding areas. The demand for cattle became so great that prices soared to as much as \$500 per head when purchased in San Francisco. During the 1850s, cattle were primarily raised using free-range methods on the established large open ranchos. Within the decade of the Gold Rush, when competition for land was fierce, cattle ranching moved from the free-range style of the ranchos to the European style of feedlots and fenced areas. A "no-fence" law was passed in 1872, which made ranchers responsible for the damages caused by their livestock if they were unfenced (Jelinek 1982).

The agricultural industry surrounding the Project Area to the west continues to be one of the primary economic activities in Fresno County. Driving that economic force are the expansive networks of irrigation and waterways supplying water to the arid regions throughout the county. The massive increase in lumbering operations in the Sierra Nevada Range required the construction of flumes to carry lumber from the forested mountains to the sawmills in the valley. One of the first and largest flumes was the Kings River Flume, which extended more than 62 miles from the Sierra Nevada to the rail head in Sanger and was constructed in 1890 by the Kings River Lumber Company. Another company, the Fresno Flume

and Irrigation Company, was formed in 1892 by Charles Shaver and Lewis Swift (Walker 2012). The company successfully repaired an old sawmill flume and hired civil engineer John Eastwood to design updates and additions to the flume to carry water approximately 40 miles from Stevenson Creek to Clovis (Vandor 1919). The flume was reported as requiring nine million feet of lumber and a cost of \$200,000 (Vandor 1919). These flumes supplied lumber to the developing cities in the San Joaquin Valley, but also supplied water for agriculture.

The Project Area is located within the community of Auberry. Auberry was named for Al Yarborough who was one of four hunters who explored the Kings River watershed and named Dinkey Creek in 1863 (Gudde 1969). The name Auberry was an incorrect spelling of the phonetic mispronunciation of his last name. A post office was established in the 1880s and the name was spelled as it was commonly pronounced (Gudde 1969). F. F. William built the first store on a dirt road in 1880. The town began as a supply point for the lumber industry with a general store, café, blacksmith shop, and bar (Sierra Nevada Geotourism 2019). The Sequoia Forest Industries Sawmill located in Auberry closed in 1994, laying off 125 workers. Since the sawmill closed, Auberry has been developing into a bedroom community for the Fresno-Clovis area.

The Southern Joaquin & Eastern Railroad traveled through the community of Auberry for 21 years from 1912 to 1933. The 56-mile-long railroad was built in 1912 by the Southern California Edison Company for the Big Creek Hydroelectric Project in the upper San Joaquin River watershed (Sierra Historical 2014). A railroad was needed to haul equipment to the system due to the steep grade. Once the project was complete, the rail line was no longer needed for freight. However, passenger service continued until 1929. The railroad was abandoned and dismantled in 1933. The railroad grade was located west of Little Sandy Creek near the Project Area.

The existing buildings within the Project Area are associated with the Auberry Elementary School which was established in 1939 and was closed in 2012. In 1940, the main L-shaped building of the campus was constructed for the Big Sandy School but in 1947 the surrounding school districts merged to create the Auberry Union Elementary School District. The school's name then changed to the Auberry Union Elementary School. In 1990, the Golden Hills School District was formed from the Auberry Union and Sierra Union school districts. In 1992 the Golden Hills School District became part of the SUSD and Auberry Elementary School was one of the SUSD elementary schools.

#### 4.5.2 Cultural Resources (V) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?				х

#### No Impact.

#### 4.5.2.1 Records, Map and Aerial Photo Search Results

ECORP conducted a records search for historical resources using various sources.

A records search for the property was completed at the Southern San Joaquin Valley Information Center (SSJVIC) of the California Historic Resources Information System (CHRIS) at California State University, Bakersfield on January 28, 2019 (SSJVIC search #19-016). The purpose of the records search was to determine the extent of previous surveys within a 0.5-mile (800-meter) radius of the Proposed Project location, and whether previously documented pre-contact or historic-age archaeological sites, architectural resources, or traditional cultural properties exist within this area.

In addition to the official records and maps for archaeological sites and surveys in Fresno County, the following historic references were also reviewed: Historic Property Data File for Fresno County (Office of Historic Preservation [OHP] 2012); The National Register Information System website (National Park Service [NPS] 2019); Office of Historic Preservation, California Historical Landmarks website (OHP 2020); California Historical Landmarks (OHP 1996 and updates); California Points of Historical Interest (OHP 1992 and updates); Directory of Properties in the Historical Resources Inventory (1999); Caltrans Local Bridge Survey (Caltrans 2018a); Caltrans State Bridge Survey (Caltrans 2018b); and Historic Spots in California (Kyle 2002).

Other references examined include a RealQuest Property Search and historic General Land Office land patent records (Bureau of Land Management [BLM] 2019)- Historic maps. Historic aerial photos taken in 1940, and from 1993 to present were also reviewed for any indications of property usage and built environment.

The nearest local history register (for the City of Fresno) was reviewed (Historicfresno.org 2018).

#### 4.5.2.2 Field Survey Results

On January 28 and 29, 2019, ECORP subjected the APE to an intensive pedestrian survey under the guidance of the *Secretary of the Interior's Standards for the Identification of Historic Properties* (NPS 1983) using transects spaced 15 meters apart (Figure 4 in Appendix B – *Biological Resource Assessment*). ECORP expended one person-day in the field. At that time, the ground surface was examined for indications of surface or subsurface cultural resources. The general morphological characteristics of the ground surface were inspected for indications of subsurface deposits that may be manifested on the surface, such as circular depressions or ditches. Whenever possible, the locations of subsurface exposures caused by such factors as rodent activity, water or soil erosion, or vegetation disturbances were examined for artifacts or for indications of buried deposits. No subsurface investigations or artifact collections were undertaken during the pedestrian survey.

#### 4.5.2.3 Evaluation/Conclusions

Auberry Elementary School campus has been evaluated using CRHR or NRHP eligibility criteria and was found to be not eligible. It does not rise to the status of a California Historical Landmark. Therefore, the Auberry Elementary School campus is not an Historical Resource as defined by CEQA or an Historic

Property as defined by Section 106 of the NHPA. Therefore, the Project will not have an impact on historic properties.

Woi	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?		x		

#### Less than significant with mitigation incorporated.

As discussed above, no cultural resources were identified on the property as a result of the records search and field survey. However, due to the presence of alluvium along Little Sandy Creek, and given the likelihood of pre-contact archaeological sites being located along perennial waterways, there exists the potential for buried pre-contact archaeological sites in the Project Area. Additionally, there always remains the potential for ground-disturbing activities to expose previously unrecorded cultural resources. Both CEQA and Section 106 of the NHPA require the Lead Agency to address any unanticipated cultural resource discoveries during project construction. This is considered a potentially significant impact. Implementation of Mitigation Measure **CUL-1** would reduce this potential impact to less than significant.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Disturb any human remains, including those interred outside of dedicated cemeteries?		X		

#### Less than significant with mitigation incorporated.

No formal cemeteries are located within or near the Project Site and no human remains have been reported in the Project vicinity. Therefore, the Proposed Project has low potential to disturb human remains. The potential exists however for previously unknown remains to be unearthed during construction. The impact on such resources would be less than significant with the implementation of Mitigation Measure **CUL-1**.

#### 4.5.3 Mitigation Measures

# CUL-1: Implement Measures to Protect Unanticipated Cultural Resources Discoveries. If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within a 100-foot radius of the discovery. A qualified professional archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards for pre-contact and historic archaeologist, shall be retained to evaluate the significance of the find, and shall have the authority to modify the no-work radius as

appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:

- If the professional archaeologist determines that the find does not represent a cultural resource, work may resume immediately, and no agency notifications are required.
- If the professional archaeologist determines that the find does represent a cultural resource from any time period or cultural affiliation, he or she shall immediately notify the DGS Real Estate Services Division (RESD) and the California Conservation Corps (CCC). The agencies shall consult on a finding of eligibility and implement appropriate treatment measures, if the find is determined to be an Historical Resource under CEQA, as defined in Section 15064.5(a) of the CEQA Guidelines. Work may not resume within the no-work radius until the lead agency through consultation as appropriate, determine that the site either: 1) is not an Historical Resource under CEQA, as defined in Section 15064.5(a) of the CEQA Guidelines; or 2) that the treatment measures have been completed to their satisfaction.
- If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (AB 2641). The archaeologist shall notify the Fresno County Coroner (per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the Coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If RESD does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, RESD must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the nowork radius until the lead agency, through consultation as appropriate, determine that the treatment measures have been completed to their satisfaction.

# 4.6 Energy

#### 4.6.1 Environmental Setting

Energy consumption is analyzed in this Initial Study due to the potential direct and indirect environmental impacts associated with the Project. Such impacts include the depletion of nonrenewable resources (e.g., oil, natural gas, coal) during both the construction and long-term operational phases.

#### 4.6.1.1 Electricity/Natural Gas Services

PG&E provides electricity and natural gas to the Project area. PG&E generates or buys electricity from hydroelectric, nuclear, renewable, natural gas, and coal facilities. PG&E provides natural gas and electricity to most of the northern two-thirds of California, from Bakersfield and Barstow to near the Oregon, Nevada and Arizona state lines. It provides 5.2 million people with electricity and natural gas across 70,000 square miles.

#### **Energy Consumption**

Electricity use is measured in kilowatt-hours (kWh), and natural gas use is measured in therms. Vehicle fuel use is typically measured in gallons (e.g., of gasoline or diesel fuel), although energy use for electric vehicles is measured in kWh.

The electricity consumption associated with all uses in Fresno County from 2014 to 2018 is shown in Table 4.6-1. As indicated, the demand has decreased slightly since 2014.

Table 4.6-1. Electricity Consumption in Fresno County 2014-2018

Year	Electricity Consumption (kilowatt hours)
2018	7,651,894,842
2017	7,436,977,632
2016	7,625,323,456
2015	7,686,428,478
2014	7,685,759,978

Source: ECDMS 2019

The natural gas consumption associated with all uses in Fresno County from 2014 to 2018 is shown in Table 4.6-2. As indicated, the demand has increased since 2014.

Table 4.6-2. Natural Gas Consumption in Fresno County 2014-2018

Year	Natural Gas Consumption (therms)
2018	346,754,247
2017	341,199,319
2016	285,421,137
2015	299,981,914
2014	294,968,519

Source: ECDMS 2019

Automotive fuel consumption in Fresno County from 2015 to 2019 is shown in Table 4.6-3. Fuel consumption has slightly increased between 2015 and 2019.

Table 4.6-3. Automotive Fuel Consumption in Fresno County 2015-2019

Year	Total Fuel Consumption (gallons)
2019	543,845,188
2018	550,087,720
2017	555,088,621
2016	561,997,488
2015	540,947,408

Source: CARB 2017

# 4.6.2 Regulatory Setting

#### State

#### California Renewable Energy Standards

In 2002, California established its Renewables Portfolio Standard (RPS) Program, with the goal of increasing the percentage of renewable energy in the State's electricity mix to 20 percent of retail sales by 2010. In 2006, California's 20 percent by 2010 RPS goal was codified under Senate Bill (SB) 107. Under the provisions of SB 107 (signed into law in 2006), investor-owned utilities were required to generate 20 percent of their retail electricity using qualified renewable energy technologies by the end of 2010. In 2008, EO S-14-08 was signed into law and requires that retail sellers of electricity serve 33 percent of their load with renewable energy by 2020. As described previously, PG&E's electricity mix in 2015 was 30 percent renewable. In October 2015, Governor Edmund Gerald (Jerry) Brown, Jr., signed SB 350 to codify California's climate and clean energy goals. A key provision of SB 350 requires retail sellers and publicly owned utilities to procure 60 percent of the state's electricity from renewable sources by 2030, while calling for a "bold path" toward 100 percent zero-carbon electricity by 2045.

#### California Building Codes

At the State level, the Energy Efficiency Standards for Residential and Nonresidential Buildings, as specified in Title 24, Part 6, of the CCR (Title 24), was established in 1978 in response to a legislative mandate to reduce California's energy consumption. Title 24 is updated approximately every three years. These standards are a unique California asset that have placed the state on the forefront of energy efficiency, sustainability, energy independence and climate change issues. The 2019 Building Energy Efficiency Standards improved upon the 2016 Energy Standards for new construction of, and additions and alterations to, residential and nonresidential buildings. The 2019 update to the Building Energy Efficiency Standards focuses on several key areas to improve the energy efficiency of newly constructed buildings and additions and alterations to existing buildings. The 2019 standards are a major step toward meeting ZNE. The most significant efficiency improvement to the residential standards include the introduction of photovoltaic into the perspective package, improvements for attics, walls, water heating and lighting. Buildings permitted on or after January 1, 2020, must comply with the 2019 Standards. These new standards, applicable to the Project, require all residential development, three stories and under, to have 100 percent electricity production offset by solar.

# 4.6.3 Energy (VI) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?			x	

#### Less than significant impact.

The impact analysis focuses on the four sources of energy relevant to the Proposed Project: electricity, natural gas, the equipment-fuel necessary for Project construction, and the automotive fuel necessary for Project operations. Addressing energy impacts requires an agency to make a determination as to what constitutes a significant impact. There are no established thresholds of significance, statewide or locally, for what constitutes a wasteful, inefficient, and unnecessary consumption of energy for a proposed land use project. For the purpose of this analysis, the amount of electricity and natural gas estimated to be consumed by the Project is quantified and compared to that consumed by all land uses in Fresno County. Similarly, the amount of fuel necessary for Project construction and operations is calculated and compared to that consumed in Fresno County.

The analysis of electricity gas usage is based on California Emissions Estimator Model (CalEEMod) modeling conducted by ECORP (see Appendix A), which quantifies energy use for Project operations. The amount of operational automotive fuel use was estimated using the CARB's EMFAC2017 computer program, which provides projections for typical daily fuel usage in Fresno County. The amount of total construction-related fuel use was estimated using ratios provided in the Climate Registry's General Reporting Protocol for the Voluntary Reporting Program, Version 2.1. Energy consumption associated with the Proposed Project is summarized in Table 4.6-4.

Table 4.6-4. Proposed Project Energy and Fuel Consumption

Energy Type	Annual Energy Consumption	Percentage Increase Countywide			
Electricity Consumption <sup>1</sup>	562,557 kilowatt-hours	0.007 percent			
Natural Gas <sup>1</sup>	6,516 therms	0.002 percent			
	Automotive Fuel Consumption				
Project Construction <sup>2</sup>	truction <sup>2</sup> 134,975 gallons 0.030 percent				
Project Operations <sup>3</sup> 328,500 gallons 0.050 percent		0.050 percent			

Source: <sup>1</sup>ECORP 2020; <sup>2</sup>Climate Registry 2016; <sup>3</sup>EMFAC2017 (CARB 2017)

The Project increases in electricity and natural gas consumption are compared with all buildings in Fresno County in 2018, the latest data available. The Project increases in automotive fuel consumption are compared with the countywide fuel consumption in 2019.

As shown in Table 4.6-4, the annual electricity consumption would be 562,557 kilowatt-hours resulting in an approximate 0.007 percent increase in the typical annual electricity consumption attributable to all other uses in Fresno County. However, this number was used for comparison purposes and does not take

Notes:

into account the 45,000-sf solar array that is proposed on the Project site (as a part of a separate project). According to information extracted from the *Energy Portion* of the *Budget Packet*, the Auberry CCC Campus has the ability to obtain ZNE for all buildings on the Project site. This, in turn, would result in no contribution to annual electricity consumption in Fresno County. Project increases in natural gas usage across Fresno County would also be negligible. The Project would adhere to all federal, state, and local requirements for energy efficiency, including the Title 24 standards. The Project would be required to comply with Title 24 building energy efficiency standards, which establish minimum efficiency standards related to various building features, including appliances, water and space heating and cooling equipment, building insulation and roofing, and lighting. Implementation of the Title 24 standards significantly reduces energy usage.

As further indicated in Table 4.6-4, the Project's gasoline fuel consumption during the one-time construction period is estimated to be 134,975 gallons of fuel, which would increase the annual countywide gasoline fuel use in the county by 0.030 percent. As such, Project construction would have a nominal effect on local and regional energy supplies. No unusual Project characteristics would necessitate the use of construction equipment that would be less energy-efficient than at comparable construction sites in the region or the state. Construction contractors would purchase their own gasoline and diesel fuel from local suppliers and would judiciously use fuel supplies to minimize costs due to waste and subsequently maximize profits. Additionally, construction equipment fleet turnover and increasingly stringent state and federal regulations on engine efficiency combined with state regulations limiting engine idling times and requiring recycling of construction debris, would further reduce the amount of transportation fuel demand during Project construction. For these reasons, it is expected that construction fuel consumption associated with the Project would not be any more inefficient, wasteful, or unnecessary than other similar development projects of this nature.

As indicated in Table 4.6-4, Project operation is estimated to consume approximately 328,500 gallons of automotive fuel per year, which would increase the annual countywide automotive fuel consumption by 0.050 percent. The amount of operational fuel use was estimated using CARB's EMFAC2017 computer program, which provides projections for typical daily fuel usage in Fresno County. This analysis conservatively assumes that all of the automobile trips projected to arrive at the Project during operations would be new to Fresno County. Further, a liberal approach was taken for vehicle trip estimation to ensure potential impacts due to operational gasoline usage were adequately counted. Fuel consumption associated with vehicle trips generated by the Proposed Project would not be considered inefficient, wasteful, or unnecessary in comparison to other similar developments in the region. Furthermore, the Project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

For these reasons, this impact would be less than significant.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?			x	

#### Less than significant impact.

The Project would be designed in a manner that is consistent with relevant energy conservation plans designed to encourage development that results in the efficient use of energy resources. As stated, the Project would be built to Title 24 standards along with a 45,000-sf solar array that has the ability to obtain ZNE for all buildings on the Project site. The Project would also be consistent with Fresno County General Plan Policy H-J.6. The Project would not conflict or obstruct any local or state plans for renewable energy or energy efficiency.

For these reasons, this impact would be less than significant.

#### 4.6.4 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

# 4.7 Geology and Soils

GEOCON Consultants, Inc. conducted a Geotechnical Investigation for the Proposed Project (GEOCON 2020). The investigation included reviewing all available geologic and subsurface information, a field investigation of the site, drilling geotechnical machine borings, performing laboratory tests on selected soil samples, and providing geotechnical recommendations to aid Project planning, design and construction. The following geology and soils analysis is based on the GEOCON Geotechnical Report, and the report is included with this Draft IS/MND as Appendix D.

# 4.7.1 Environmental Setting

#### 4.7.1.1 Geomorphic Setting

The Project site is located in the foothills of the southern Sierra Nevada geomorphic province of California. The Sierra Nevada province of California is a tilted fault block, which is overlain by the sediments of the Great Valley province to the west. In general, the Sierra Nevada province is composed of metamorphic bedrock along its western boundary and intrusive bedrock in its central and eastern portions. Published geologic mapping depicts the site vicinity as underlain by Quaternary-age alluvium, which generally consists of stream deposits, chiefly underlying meadows over the Late Cretaceous Tonalite of Blue Canyon facies characterized by medium-grained biotite-hornblende tonalite with large euhedral hornblende prisms and includes small areas of biotite-hornblende granodiorite (USGS 1976).

#### 4.7.1.2 Soils

According to the *Web Soil Survey* (NRCS 2019), three soil units, or types, have been mapped within the Study Area (see Figure 4-1):

- (AuB) Auberry coarse sandy loam 3 to 9 percent slopes: deep, well-drained soils formed in material weathered from intrusive igneous rocks; and
- (AvD) Auberry very rocky coarse sandy loam, 3 to 30 percent slopes: residuum weathered from basic igneous rock and or metamorphic rock; and

(VaA) Visalia sandy loam, 0 to 3 percent slopes: moderately well-drained, very deep sandy loams derived from granitic alluvium on alluvial fans and flood plains at 400 to 2,000 feet elevation.

#### Hydrologic Soil Groups

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation.

- Group A: Soils having a high infiltration rate (low runoff potential) when thoroughly wet.
- Group B: Soils having a moderate infiltration rate when thoroughly wet.
- Group C: Soils having a slow infiltration rate when thoroughly wet.
- Group D: Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet.

VaA Visalia sandy loam, 0 to 3 percent slopes is considered a hydric soil (Group A) with Hildreth inclusions in floodplains and swales; unnamed and somewhat poorly drained inclusions in depressions, drainageways, and valleys; and Foster inclusions in depressions and floodplains (NRCS 2019).

#### 4.7.1.3 Groundwater

Fronk's Mountain Drilling Company prepared a Department of Water Resources (DWR) *Well Completion Report* for a public water supply well installed onsite and dated October 21, 2003. The report included a stratigraphic log from drilling of the well boring approximately 805 feet deep. Soil and rock encountered in this boring is described as approximately 0 to five feet of topsoil, five to 12 feet of granite, overlying decomposed and oxidized granite. Groundwater was encountered at 277 feet.

According to GEOCON (2020), "Based on site geology, perched groundwater/seepage may develop at relatively shallow depths at or near the contact between residual soil and formational material, especially during winter and spring. Seepage can also occur within formational material based on the degree of weathering, fracturing, and jointing. It should be noted that fluctuations in the level of groundwater may occur due to variations in rainfall, temperature, and other factors. Depth to groundwater can also vary significantly due to localized pumping, irrigation practices, and seasonal fluctuations. Therefore, it is possible that groundwater may be encountered during construction."

#### 4.7.1.4 Regional Seismicity and Fault Zones

The California State Mining and Geology Board defines an "active fault" as one that has had subsurface displacement within the past 11,000 years (Holocene). "Potentially active faults" are defined as those that have ruptured between 11,000 and 1.6 million years before the present (Quaternary). Faults are generally considered inactive if there is no evidence of displacement during the Quaternary period.

The Proposed Project Area is in the Sierra Nevada province of California and is a tilted fault block, overlain by the sediments of the Great Valley province to the west. In general, the Sierra Nevada province is composed of metamorphic bedrock along its western boundary and intrusive bedrock in its central and eastern portions.

Published geologic mapping depicts the site vicinity as underlain by Quaternary-age alluvium, which generally consists of stream deposits, chiefly underlying meadows over the Late Cretaceous Tonalite of Blue Canyon facies (map symbol Kbl) characterized by medium-grained biotite hornblende tonalite with large euhedral hornblende prisms and includes small areas of biotite-hornblende granodiorite (USGS 1976).

The Round Valley Fault, approximately 50 miles southwest of the Proposed Project, is a high-angle, down-to-east normal fault along the prominent eastern front of central Sierra Nevada; it is in one of the most seismically active regions along the eastern front of the Sierra Nevada. Based on the official State of California Special Studies Zones fault maps, no known active fault crosses the Project site. Therefore, the risk of surface fault rupture at the Project Site is considered low.

#### 4.7.1.5 Liquefaction

Liquefaction refers to the temporary loss of soil shear strength that may occur suddenly during strong ground shaking. This phenomenon can occur where there are saturated, loose, granular (sandy) deposits subjected to long-duration seismic shaking. Liquefaction-related phenomena can include localized ground settlement, ground cracking and expulsion of water and sand (sand boils), the partial or complete loss of bearing and confining forces used to support loads, amplification of seismic shaking, and lateral spreading. The Project site is not located in a currently established State of California Seismic Hazard Zone for liquefaction.

#### 4.7.1.6 Radon

Radon is a colorless, odorless, tasteless, and radioactive gas that is produced as a natural decay product of uranium. Because of its radioactivity, studies have shown that at elevated concentrations there is a link between radon and lung cancer. Persons living in a building with elevated radon concentrations may have an increased risk of contracting lung cancer over a period of years. The Project site is located in an area believed to have low radon potential with levels of radon typically below the USEPA radon threshold limit of 4.0 picocuries per liter of air (pCi/L). Potentially high radon levels are typically associated with geologic uplift, the uranium/lignite belt, or granite or shale outcrops. Fresno County is an USEPA Radon Zone 2, a county with predicted average indoor radon screening levels less than 3 pCi/L.

#### 4.7.1.7 Paleontological Resources

A paleontological database search of the paleontology locality and specimen collection records for the Project area and surrounding area (0.5-mile radius) was requested from the Natural History Museum of Los Angeles County (NHMLA) in September 2019. Additional information from a query of the University of California Museum of Paleontology online catalog records, a review of regional geologic maps from the California Geological Survey, and a review of existing literature on paleontological resources of Fresno County were used to provide information about paleontological resources.

The results of the records search indicated that there are no known vertebrate fossil localities that lie directly within the Proposed Project area boundaries, or any known vertebrate fossil localities nearby from the same rock formations that occur in the Proposed Project area. Bedrock in the surrounding elevated terrain, and at unknown depth within the proposed project area, consists of granitic intrusive igneous rock

that will not contain recognizable fossils. Surface deposits in the entire proposed project area though consist of younger Quaternary Alluvium, derived as alluvial fan deposits from the surrounding more elevated terrain via Little Sandy Creek that currently flows along the western border of the proposed project area.

#### 4.7.2 Regulatory Setting

Federal and state laws and regulations pertaining to geology and soils and relevant to the Project are presented below.

# 4.7.2.1 Building Codes

Alquist-Priolo Earthquake Fault Zoning Act (PRC, §§ 2621-2630).

This Act requires that "sufficiently active" and "well-defined" earthquake fault zones be delineated by the State Geologist and prohibits locating structures for human occupancy on active and potentially active surface faults. Note that since only those potentially active faults that have a relatively high potential for ground rupture are identified as fault zones, not all potentially active faults are zoned under the Alquist-Priolo Earthquake Fault Zone, as designated by the State of California.

California Building Code (CCR Title 23)

The CBC provides a minimum standard for building design, which is based on the Uniform Building Code, but is modified for conditions unique to California. The CBC is selectively adopted by local jurisdictions, based on local conditions. The CBC contains requirements pertaining to multiple activities, including excavation, site demolition, foundations and retaining walls, grading activities including drainage and erosion control, and construction of pipelines alongside existing structures.

# 4.7.3 Geology and Soils (VII) Environmental Checklist and Discussion

Would the Project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Directly or indirectly cause substantial adverse effects, including the risk of loss, injury, or death involving:				
	i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.			х	

Would tl	he Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
ii)	Strong seismic ground shaking?			х	
iii)	Seismic-related ground failure, including liquefaction?			х	
iv)	Landslides?			х	

#### Less than significant.

- i) The closest active fault, the Hartley Springs Fault, is located approximately 47 miles northeast of the Proposed Project site. Therefore, the Proposed Project site is not located within the Earthquake Fault Hazards Zone associated with an active fault. Additionally, no known active fault crosses the Project Site based on the official State of California Special Studies Zones fault maps. Therefore, the risk of surface fault rupture at the Project Site is considered less than significant. No mitigation is required.
- ii) The Project Site is not located within the Earthquake Fault Hazards Zone associated with the closest active fault (Round Valley Fault) nor any other fault. No known active fault crosses the Proposed Project Site based on the official State of California Special Studies Zones fault maps. Adverse effects via strong seismic ground shaking is considered less than significant. No mitigation would be required.
- iii) The Project site is not located in a currently established State of California Seismic Hazard Zone for liquefaction, nor is GOECON aware of any reported historical instances of liquefaction in the area. Based on the subsurface conditions and anticipated seismic conditions at the site, liquefaction is not considered a hazard for the Project site. Impacts are considered less than significant, and no mitigation is required.
- iv) The Project site is located on mostly flat land, though regional topography is mountainous and rolling. Existing natural slopes are not anticipated to be altered during Project construction or function. Therefore, landslides and slope instability should not be a hazard for the Project. This impact is less than significant, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Result in substantial soil erosion or the loss of topsoil?			x	

#### Less than significant.

The Proposed Project would implement a SWPPP that identifies BMPs to control erosion and topsoil loss during construction (see *Section 4.10 Hydrology and Water Quality*). Because the Project would implement a SWPPP, soil erosion impacts would be reduced to a less than significant impact. No additional mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or offsite landslide, lateral spreading, subsidence, liquefaction or collapse?			x	

# Less than significant.

The Project site is not located in a currently established State of California Seismic Hazard Zone for liquefaction, nor is GOECON aware of any reported historical instances of liquefaction in the area. Based on the subsurface conditions and anticipated seismic conditions at the site, liquefaction, subsidence, and similar effect, are not considered a hazard for the Project site. Impacts are considered less than significant, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?				X

#### No impact.

The potential for damaging settlements to propagate to the ground surface is considered low based upon the laboratory testing conducted as part of the Geotechnical Investigation. No special design considerations with respect to expansive soil are necessary. No impact would occur, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
e)	Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?			x	

#### Less than significant.

The Project includes a new onsite septic system. As discussed in the Project Description, the abandoned school used several leaching fields that will be removed as part of the Project. New leach field construction will be consistent with recommendations given in GEOCON's Geotechnical Investigation as well as county and local laws. A less than significant impact would occur, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
f)	Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?		x		

# Less than significant with mitigation incorporated.

The NHMLA shows the closest vertebrate fossil locality from similar deposits, LACM 7254, just north of west of the proposed project area on the south side of Ash Slough northeast of Chowchilla, that produced a fossil specimen of elephantoid, Proboscidea. Shallow excavations in the soil and Quaternary alluvial deposits exposed throughout the Proposed Project Area are not likely to uncover significant fossil vertebrate remains. Deeper excavations that extend down into older sedimentary deposits, however, have the potential to encounter significant vertebrate fossil remains. Because unknown paleontological resources could be discovered during excavation, this impact is considered potentially significant. Implementation of Mitigation Measure **GEO-1** would reduce this impact to a less than significant level.

# 4.7.4 Mitigation Measures

GEO-1: Discovery of Unknown Paleontological Resources. If any paleontological resources (i.e., fossils) are found during Project construction, construction shall be halted immediately in the subject area and the area shall be isolated using orange or yellow fencing until RESD is notified and the area is cleared for future work. A qualified paleontologist shall be retained to evaluate the find and recommend appropriate treatment of the inadvertently discovered paleontological resources. In addition, in the event of an inadvertent find, sediment samples should be collected and processed to determine the small fossil potential on the Proposed Project Site. If RESD resumes work in a location where paleontological remains have been discovered and cleared, RESD will have a paleontologist onsite to observe any continuing excavation to confirm that no additional paleontological resources are in the area. Any fossil materials uncovered during mitigation activities should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

#### 4.8 Greenhouse Gas Emissions

#### 4.8.1 Environmental Setting

Greenhouse Gas (GHG) emissions are released as byproducts of fossil fuel combustion, waste disposal, energy use, land use changes, and other human activities. This release of gases, such as carbon dioxide ( $CO_2$ ), methane ( $CH_4$ ), nitrous oxide ( $N_2O$ ), and chlorofluorocarbons, creates a blanket around the earth that allows light to pass through but traps heat at the surface, preventing its escape into space. While this is a naturally occurring process known as the greenhouse effect, human activities have accelerated the generation of GHGs beyond natural levels. The overabundance of GHGs in the atmosphere has led to an unexpected warming of the earth and has the potential to severely impact the earth's climate system.

Each GHG differs in its ability to absorb heat in the atmosphere based on the lifetime, or persistence, of the gas molecule in the atmosphere. CH<sub>4</sub> traps over 25 times more heat per molecule than CO<sub>2</sub>, and N<sub>2</sub>O absorbs 298 times more heat per molecule than CO<sub>2</sub>. Often, estimates of GHG emissions are presented in carbon dioxide equivalents (CO<sub>2</sub>e). Expressing GHG emissions in CO<sub>2</sub>e takes the contribution of all GHG emissions to the greenhouse effect and converts them to a single unit equivalent to the effect that would occur if only CO<sub>2</sub> were being emitted.

The local air quality agency regulating the SJVAB is the SJVAPCD, the regional air pollution control officer for the basin. To provide guidance to local lead agencies on determining significance for GHG emissions in CEQA documents, the SJVAPCD provides a tiered approach in assessing significance of project specific GHG emission increases. Projects implementing Best Performance Standards would be determined to have a less than cumulatively significant impact. Otherwise, demonstration of a 29 percent reduction in GHG emissions, from business-as-usual (BAU), is required to determine that a project would have a less than cumulatively significant impact. The BAU approach was developed consistent with the GHG emission reduction targets established in the Scoping Plan. However, the BAU portion of the tiered approach is problematic based on the 2015 California Supreme Court Newhall Ranch decision, which stated that a GHG-related impact determination based on the BAU approach is "not supported by a reasoned explanation based on substantial evidence." Therefore, Project emissions are compared to the thresholds issued by the California Air Pollution Control Officers Association (CAPCOA), an association of the air pollution control officers from all 35 local air quality agencies throughout California, including the SJVAPCD. CAPCOA recommends a significance threshold of 900 metric tons annually. This threshold is based on a capture rate of 90 percent of land use development projects, which in turn translates into a 90 percent capture rate of all GHG emissions. The 900 metric ton threshold, the lowest promulgated in any region in the state, is considered by CAPCOA to be low enough to capture a substantial fraction of future projects that will be constructed to accommodate future statewide population and economic growth, while setting the emission threshold high enough to exclude small projects that will in aggregate contribute a relatively small fraction of the cumulative statewide GHG emissions

# 4.8.2 Greenhouse Gas Emissions (VIII) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			x	

#### Less than significant impact.

#### 4.8.2.1 Construction-Generated Greenhouse Gas Emissions

A potent source of GHG emissions associated with the Proposed Project would be combustion of fossil fuels during construction activities. The construction phase of the Proposed Project is temporary but would result in GHG emissions from the use of heavy construction equipment and construction-related vehicle trips. The operational phase would also result in GHG emissions, predominately from vehicle trips to the Project site.

Construction-related activities that would generate GHGs include worker commute trips, haul trucks carrying supplies and materials to and from the Project site, and off-road construction equipment (e.g., dozers, loaders, excavators). Table 4.8-1 illustrates the specific construction generated GHG emissions that would result from construction of the Project.

Table 4.8-1. Construction-Related Greenhouse Gas Emissions

Emission Source	CO₂e (Metric Tons/ Year)
2022 Construction	549
2023 Construction	696
2024 Construction	125
CAPCOA's Potentially Significant Impact Threshold:	900
Exceed Significance Threshold?	No

Source: CalEEMod version 2016.3.2. Refer to Appendix A for Model Data Outputs.

As shown in Table 4.8-1, Project construction would not result in the exceedance of 900 metric tons of CO₂e during any year of construction. Once construction is complete, the generation of these GHG emissions would cease.

#### 4.8.2.2 Operational-Generated Greenhouse Gas Emissions

Operation of the Project would result in GHG emissions predominantly associated with the use of energy. Long-term operational GHG emissions attributable to the Project are identified in Table 4.8-2.

Table 4.8-2. Operational-Related GHG Emissions

Emissions Source	CO2e (Metric Tons/Year)	
Area Source Emissions	0	
Energy Source Emissions	293	
Mobile Source Emissions	207	
Solid Waste Emissions	65	
Water Emissions	24	
CAPCOA's Potentially Significant Impact Threshold	900	
Total Emissions	589	
Exceed Significance Threshold?	No	

Source: CalEEMod version 2016.3.2. Refer to Appendix A for Model Data Outputs.

As shown in Table 4.8-2, Project operations would result in the generation of approximately 589 metric tons of  $CO_{2e}$  annually and would not exceed CAPCOA's significance threshold of 900 metric tons annually. Therefore, the Project will have a less than significant impact on the environment due to GHG emissions since it would not exceed this threshold of significance.

Would the Project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			x	

#### Less than significant.

The Proposed Project would not conflict with any adopted plans, policies, or regulations adopted for the purpose of reducing GHG emissions. The Proposed Project is subject to compliance with statewide GHG-reducing goals promulgated by the *California 2008 Climate Change Scoping Plan* (Scoping Plan) and subsequent updates. As discussed previously, the Proposed Project-generated GHG emissions would not surpass the CAPCOA's significance threshold, which is the lowest promulgated in any region in the state. Additionally, a solar array proposed to be located north of the warehouse yard would generate supplemental electrical power for the Project. The solar array would be comprised of 45,000 sf of ground-mounted PV cells along with the necessary inverter, combiners and metering to provide a minimum of 539,000 kWh of clean, renewable energy annually. Therefore, the Proposed Project would contribute to the continued reduction of GHG emissions in the interconnected California and western U.S. electricity systems, as the energy produced by the Project would displace GHG emissions that would otherwise be produced by existing BAU power generation resources (including natural gas, coal, and renewable combustion resources).

In addition to disclosing these facts, the Proposed Project will be further assessed for consistency with regulations or requirements adopted by the Scoping Plan and subsequent updates.

#### 4.8.2.3 Consistency with CARB's Scoping Plan

The Scoping Plan (approved by CARB in 2008 and updated in 2014 and 2017) provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is neither directly applicable to specific projects, nor intended to be used for project-level evaluations. It does not provide recommendations for lead agencies to develop evidence-based numeric thresholds consistent with the Scoping Plan, the state's long-term GHG goals, and climate change science. Under the Scoping Plan, however, there are several state regulatory measures aimed at the identification and reduction of GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area source emissions (e.g., energy usage, high-global warming potential (GWP) GHGs in consumer products) and changes to the vehicle fleet (i.e., hybrid, electric, and more fuel-efficient vehicles) and associated fuels (e.g., Low Carbon Fuel Standard), among others.

The Scoping Plan recommends strategies for implementation at the statewide level to meet the goals of statewide GHG-reducing goals and establishes an overall framework for the measures that will be adopted to reduce California's GHG emissions. Table 4.8-3 highlights measures that have been, or will be, developed under the Scoping Plan and presents the Project's consistency with Scoping Plan measures. The Project would comply with all regulations adopted in furtherance of the Scoping Plan to the extent required by law and to the extent that they are applicable to the Project.

Table 4.8-3. Project Consistency with Scoping Plan GHG Emission Reduction Strategies

Scoping Plan Measure	Measure Number	Proposed Project Consistency	
Transportation Sector			
Advanced Clean Cars	T-1	Not applicable. The Project would not prevent CARB from implementing this measure.	
Low Carbon Fuel Standard	T-2	Not applicable. The Project would not prevent CARB from implementing this measure.	
Regional Transportation-Related GHG Targets	T-3	Not applicable. The Project would not prevent CARB from implementing this measure.	
Advanced Clean Transit	N/A	Not applicable. The Project would not prevent CARB from implementing this measure.	
Last-Mile Delivery	N/A	Not applicable. The Project would not prevent CARB from implementing this measure.	
Reduction in VMT	N/A	Consistent. The Project would result in a reduction of vehicle miles traveled as it would be strategically locating a new CCC facility providing essential services in a central part of California.	
Vehicle Efficiency Measure 1. Tire Pressure 2. Fuel Efficiency Tire Program 3. Low-Friction Oil 4. Solar-Reflective Automotive Paint and Window Glazing	T-4	Not applicable. The Project would not prevent CARB from implementing this measure.	

Scoping Plan Measure	Measure Number	Proposed Project Consistency
Ship Electrification at Ports (Shore Power)	T-5	Not applicable. The Project would not prevent CARB from implementing this measure.
Goods Movement Efficiency Measures  1. Port Drayage Trucks 2. Transport Refrigeration Units Cold Storage Prohibition 3. Cargo Handling Equipment, Anti-Idling, Hybrid, Electrification 4. Goods Movement Systemwide Efficiency Improvements 5. Commercial Harbor Craft Maintenance and Design Efficiency 6. Clean Ships 7. Vessel Speed Reduction	T-6	Not applicable. The Project would not prevent CARB from implementing this measure.
Heavy-Duty Vehicle GHG Emission Reduction  Tractor-Trailer GHG Regulation  Heavy-Duty GHG Standards for New Vehicle and Engines (Phase I)	T-7	Not applicable. The Project would not prevent CARB from implementing this measure.
Medium- and Heavy-Duty Vehicle Hybridization Voucher Incentive Proposed Project	T-8	Not applicable. The Project would not prevent CARB from implementing this measure.
Medium and Heavy-Duty GHG Phase 2	N/A	Not applicable. The Project would not prevent CARB from implementing this measure.
High-Speed Rail	T-9	Not applicable. The Project would not prevent CARB from implementing this measure.
Electricity	and Natur	al Gas Sector
Energy Efficiency Measures (Electricity)	E-1	Consistent. The Project would be constructed in accordance with Cal Green, Title 24 building standards and would produce enough energy from the proposed solar area to result in substantial reductions in energy use for the entire Project site.
Energy Efficiency Measures (Natural Gas)	CR-1	Consistent. The Project would be constructed in accordance with Cal Green and Title 24 building standards.
Solar Water Heating (California Solar Initiative Thermal Program)	CR-2	Not applicable. The Project would not prevent CARB from implementing this measure
Combined Heat and Power	E-2	Not applicable. The Project would not prevent CARB from implementing this measure
Renewables Portfolio Standard (33% by 2020)	E-3	Consistent. The Project would be constructed with a 45,000-sf solar array, producing a minimum of 539,000 kWh of clean, renewable energy annually.
Renewables Portfolio Standard (60% by 2030)	N/A	Consistent. The Project would be constructed with a 45,000-sf solar array, producing a minimum of 539,000 kWh of clean, renewable energy annually.
SB 1 Million Solar Roofs (California Solar Initiative, New Solar Home Partnership, Public Utility Programs) and Earlier Solar Programs	E-4	Consistent. The Project would be constructed with a 45,000-sf solar array, producing a minimum of 539,000 kWh of clean, renewable energy annually.
	Water Sec	tor

Scoping Plan Measure	Measure Number	Proposed Project Consistency		
Water Use Efficiency	W-1	Consistent. The Project would be constructed in accordance with CAL Green and Title 24 building standards.		
Water Recycling	W-2	Not applicable. The Project would not prevent CARB from implementing this measure		
Water System Energy Efficiency	W-3	Not applicable. The Project would not prevent CARB from implementing this measure		
Reuse Urban Runoff	W-4	Not applicable. The Project would not prevent CARB from implementing this measure		
Renewable Energy Production	W-5	Consistent. The Project would be constructed with a 45,000-sf solar array, producing a minimum of 539,000 kWh of clean, renewable energy annually.		
	Green Build	lings		
State Green Building Initiative: Leading the Way with State Buildings (Greening New and Existing State Buildings)	GB-1	Not applicable. The Project would not prevent CARB from implementing this measure		
Green Building Standards Code (Greening New Public Schools, Residential and Commercial Buildings)	GB-1	Consistent. The Project would be constructed in accordance with CALGreen and Title 24 building standards.		
Beyond Code: Voluntary Programs at the Local Level (Greening New Public Schools, Residential, and Commercial Buildings	GB-1	Consistent. The Project would be constructed in accordance with CALGreen and Title 24 building standards. Additionally, the Project would be constructed with a 45,000-sf solar array, producing a minimum of 539,000 kWh of clean, renewable energy annually.		
Greening Existing Buildings (Greening Existing Homes and Commercial Buildings)	GB-1	Not applicable. The Project would not prevent CARB from implementing this measure		
	Industry Se	ector		
Energy Efficiency and Co-Benefits Audits for Large Industrial Sources	I-1	Not applicable. The Project would not prevent CARB from implementing this measure		
Oil and Gas Extraction GHG Emissions Reduction	I-2	Not applicable. The Project would not prevent CARB from implementing this measure		
Reduce GHG Emissions by 20% in Oil Refinery Sector	N/A	Not applicable. The Project would not prevent CARB from implementing this measure		
GHG Emissions Reduction from Natural Gas Transmission and Distribution	I-3	Not applicable. The Project would not prevent CARB from implementing this measure		
Refinery Flare Recovery Process Improvements	I-4	Not applicable. The Project would not prevent CARB from implementing this measure		
Work with the Local Air Districts to Evaluate Amendments to Their Existing Leak Detection and Repair Rules for Industrial Facilities to Include Methane Leaks	I-5	Not applicable. The Project would not prevent CARB from implementing this measure		
Recycling and Waste Management Sector				
Landfill Methane Control Measure	RW-1	Not applicable. The Project would not prevent CARB from implementing this measure		
Increasing the Efficiency of Landfill Methane Capture	RW-2	Not applicable. The Project would not prevent CARB from implementing this measure		
		•		

Measure Number	Proposed Project Consistency		
RW-3	Not applicable. The Project would not prevent CARB from implementing this measure		
RW-3	Not applicable. The Project would not prevent CARB from implementing this measure		
RW-3	Not applicable. The Project would not prevent CARB from implementing this measure		
RW-3	Not applicable. The Project would not prevent CARB from implementing this measure		
RW-3	Not applicable. The Project would not prevent CARB from implementing this measure		
Forests Se	ctor		
F-1	Not applicable. The Project would not prevent CARB from implementing this measure		
H-1	Not applicable. The Project would not prevent CARB from implementing this measure		
H-2	Not applicable. The Project would not prevent CARB from implementing this measure		
H-3	Not applicable. The Project would not prevent CARB from implementing this measure		
H-4	Not applicable. The Project would not prevent CARB from implementing this measure		
H-5	Not applicable. The Project would not prevent CARB from implementing this measure		
H-6	Not applicable. The Project would not prevent CARB from implementing this measure		
H-6	Not applicable. The Project would not prevent CARB from implementing this measure		
H-6	Not applicable. The Project would not prevent CARB from implementing this measure		
N/A	Not applicable. The Project would not prevent CARB from implementing this measure		
N/A	Not applicable. The Project would not prevent CARB from implementing this measure		
Agriculture Sector			
A-1	Not applicable. The Project would not prevent CARB from implementing this measure		
	Number   RW-3   RW-3   RW-3   RW-3   RW-3   Forests Se   F-1   H-1   H-2   H-3   H-4   H-5   H-6   H-6   H-6   N/A   N/A   N/A   Agriculture Se   RW-3   R		

Based on the analysis in Table 4.8-3, the Project would be consistent with the applicable strategies and measures in the Scoping Plan.

The Project would not impede the attainment of statewide GHG reduction goals, such as the goal that GHG emissions be reduced to 1990 levels by 2020 and to 80 percent below 1990 levels by 2050. Additionally, CARB, in adopting rules and regulations to achieve the maximum technologically feasible and cost-effective GHG emissions reductions, is tasked to ensure that statewide GHG emissions are reduced to at least 40 percent below 1990 levels by December 31, 2030. While there are no established protocols or CEQA-related thresholds of significance for that future year analysis, CARB forecasts that compliance with the current Scoping Plan puts the State on a trajectory toward meeting these long-term GHG goals, although the specific path to compliance is unknown (CARB 2014).

To begin, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the *First Update to the Climate Change Scoping Plan* that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by Assembly Bill (AB) 32 [the legislation that promulgated the development of the Scoping Plan]" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80 percent below 1990 levels, the *First Update to the Climate Change Scoping Plan* states the following (CARB 2014):

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000 megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under AB 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80 percent below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32 and subsequent GHG-reducing legislation. This is confirmed in the Second Update, which states (CARB 2017):

The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasible and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB 32, and AB 197.

As discussed previously, the Project is consistent with the GHG emission reduction measures in the Scoping Plan and would not conflict with the State's trajectory toward future GHG reductions. In addition, since the specific path to compliance for the State with regards to the long-term goals will likely require development of technology or other changes that are neither currently known nor available, specific additional mitigation measures for the Project would be speculative and cannot be identified at this time. The Project's consistency would assist in meeting the regions contribution to GHG emission reduction targets in California. With respect to future GHG targets, CARB has also made clear its legal interpretation is that it has the requisite authority to adopt whatever regulations are necessary. This legal interpretation by an expert agency provides evidence that future regulations will be adopted to continue the State on its

trajectory toward meeting these future GHG targets. The Project would not interfere with implementation of any of the previously described GHG reduction goals for 2030 or 2050 or impede the State's trajectory toward the previously described statewide GHG reduction goals for 2030 or 2050.

The Proposed Project would not conflict with an adopted plan, policy, or regulation pertaining to GHGs. This impact is less than significant.

#### 4.8.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

#### 4.9 **Hazards and Hazardous Materials**

This section is based on the analysis and findings of the *Phase I Environmental Site Assessment Report* (GEOCON Consultants, Inc. 2019, Appendix E).

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 hazardous material is defined by the California Health and Safety Code, § 25501 as follows:

"Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment.

A hazardous material is defined in 22 CCR § 662601.10 as follows:

A substance or combination of substances which, because of its quantity, concentration, or physical, chemical or infectious characteristics, may either (1) cause, or significantly contribute to, an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (2) pose a substantial present or potential hazard to human health or environment when improperly treated, stored, transported or disposed of or otherwise managed.

Most hazardous materials regulation and enforcement in Fresno County is managed by the Fresno County Department of Public Health, which refers large cases of hazardous materials contamination or violations to the Central Valley RWQCB and the California Department of Toxic Substances Control (DTSC). It is not at all uncommon for other agencies, such as federal and state Occupational Safety and Health Administrations, to become involved when issues of hazardous materials arise.

Transporters of hazardous waste in California are subject to many federal and State regulations. They must register with the California Department of Health Services (DHS) and ensure that vehicle and waste container operators have been trained in the proper handling of hazardous waste. Vehicles used for the transportation of hazardous waste must pass an annual inspection by the California Highway Patrol (CHP). Transporters must allow the CHP and/or the DHS to inspect its vehicles and must make certain required

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inspection records available to both agencies. The transport of hazardous materials that are not wastes is regulated by the U.S. Department of Transportation through national safety standards.

Other risks resulting from hazardous materials include the use of these materials in local industry, businesses and agricultural production. The owner or operator of any business or entity that handles a hazardous material above threshold quantities is required, by State and federal laws, to submit a business plan to the local Certified Unified Program Agency (CUPA). Fresno County Department of Public Health, HazMat Compliance Division is the CUPA within the county boundaries.

Under Government Code Section 65962.5, both the DTSC and the State Water Resources Control Board (SWRCB) are required to maintain lists of sites known to have hazardous substances present in the environment. Both agencies maintain up-to-date lists on their websites. The Project site is not listed by the DTSC or SWRCB as a hazardous substances site on the list of hazardous waste sites compiled pursuant to Government Code § 65962.5 (Cortese List). A search of the DTSC (2017) and SWRCB (2017) lists identified two open cases of Leaking Underground Storage Tanks hazardous waste violations within one mile of the Project site.

# 4.9.1 Environmental Setting

The Project site is located at 33367 North Auberry Road, in the unincorporated community of Auberry. The Project site is further located within Fresno County APNs 128-560-12T and 128-560-02T, which are owned by the State of California. The Project site comprises ±18 acres. The topography of the site is hilly with gentle slopes to the east at an elevation of approximately 1,983 feet above MSL. The vacant elementary school comprises seven buildings, four portable classrooms, and a maintenance garage. The Proposed Project is accessed via an asphalt-paved driveway near the intersection of Auberry Road and Powerhouse Road on the eastern side of the Proposed Project Site and from Powerhouse Road near the northeastern corner of the Proposed Project Site. A concrete courtyard and asphalt-paved play areas are located in the central and southern portions of the Site. The Auberry Volunteer Fire Department station is located in the northeastern portion of the site. The nearest schools are Foothill Elementary School, 3.4 miles to the southwest, and Sierra High School, 3.5 miles to the southeast.

#### 4.9.1.1 Environmental Database Review

GEOCON obtained environmental agency listings database information for the Project site and for properties located up to a one-mile radius of the Project site from GeoTracker and EnviroStor. The purpose of the environmental agency listings database review is to identify whether the Proposed Project Site or adjacent sites have been listed on local, state, or federal government database listings or retain historical documentation regarding current and/or past usage that could potentially pertain to Recognized Environment Conditions (RECs). Sites within the search radius were also reviewed to identify outlying sites that might potentially impact the subsurface soil and/or groundwater conditions beneath the Proposed Project Site. No information for the Proposed Project Site or properties/facilities within ½ mile of the Proposed Project Site is available on EnviroStor. Information regarding the Proposed Project Site and offsite properties or facilities within a ¼ mile of the Proposed Project Site on GeoTracker is summarized below.

The most recent Central Valley RWQCB report on GeoTracker – *Case Closure Letter and Summary*, prepared by the Central Valley RWQCB and dated May 25, 2004, shows that two 1,000-gallon gasoline underground storage tanks (USTs), one 1,000-gallon diesel UST, and associated dispensers were removed south of the maintenance garage and a 2,500-gallon diesel UST was removed near the southeastern corner of the administration building on August 16, 1991. Only total petroleum hydrocarbons as diesel (TPHd) was detected in a base soil sample at a concentration of 180 mg/kg from the diesel UST south of the maintenance garage. On June 11, 1997, a 1,000-gallon diesel UST was removed near the southeastern corner of the administration building and an unknown-capacity diesel UST was removed from a parking area in the central portion of the campus. TPHd was detected in a base soil sample at a concentration of 76 mg/kg for the first UST and 1,000 micrograms per liter in a water sample collected beneath the second UST.

In a routine sampling event of three water supply wells at the Proposed Project Site on March 12, 2001, methyl tert-butyl ether (MTBE) was detected in two wells. The well with concentrations that exceeded the MTBE drinking water screening level, located in the northern portion of the campus, was removed from the school water supply system. After pumping approximately 30,000 gallons of water out of the northernmost well, MTBE concentrations have been at or less than drinking water screening levels since October 2003. The RWQCB concluded that a small gasoline discharge to the septic system or a surface source near the water supply well was likely responsible for the MTBE. The minor releases of diesel fuel from two of the former USTs produced negligible groundwater impact and the residual petroleum hydrocarbons are expected to degrade naturally. Regardless of the source, the historical presence of petroleum hydrocarbons and associated chemical components in groundwater beneath the site is a REC for the Site.

The following offsite properties/facilities are also listed on GeoTracker:

- Auberry General Store (33251 Auberry Road)
- Former Exxon (33260 Powerhouse Road)
- Auberry Garage (33246 Auberry Road)
- Fresno County Yard #5 (33148 Auberry Road)
- Former Chevron (33105 Auberry Road)

The information obtained from various regulatory databases for the facilities is also available on GeoTracker. Based on the available information for these facilities, their respective releases are not anticipated to have caused a REC at the Project site.

#### 4.9.1.2 Historical Aerial Photograph Review

Available aerial photographs of the Project site and the surrounding area obtained from Environmental Data Resources, Inc. (EDR) were reviewed. Aerial photographs showing the area of the Project site for the years 1946, 1950, 1957, 1963, 1975, 1978, 1985, 1998, 2005, 2009, 2012, and 2016 were reviewed by GEOCON. Copies of the aerial photographs are provided in Appendix D of Appendix E – *Phase I Environmental Site Assessment Report*. The following is a summary of the aerial photographs reviewed:

- 1946. The Project site is open space land with Little Sandy Creek west of the site. A single school building was present near the eastern boundary of the site.
- 1950. The resolution of the photograph is poor; however, it appears that conditions are similar to those observed in the 1946 image.
- 1957. Conditions are similar to those observed in the 1950 photograph except that three school buildings are present onsite.
- 1963. Conditions are similar to those observed in the 1957 photograph.
- 1975. The resolution of the photograph is poor; however, the school has added two buildings and an oval track.
- 1978. The resolution of the photograph is poor; however, it appears that conditions are similar to those observed in the 1975 image.
- 1985. The Auberry volunteer fire department building is present in the eastern portion of the site.
- 1998. The school has added three portable classrooms.
- 2005. An unimproved road is present in the northern portion of the site.
- 2009. Conditions are similar to those observed in the 2005 image.
- 2012. Conditions are similar to those observed in the 2009 image.
- 2016. One portable classroom, the unimproved road, and the oval track are no longer present.

Review of the historical aerial photographs did not indicate evidence that would pose a REC to the Project site or adjacent properties.

#### 4.9.1.3 United States Geological Survey Topographic Maps

GEOCON obtained historical topographic maps from EDR for the Proposed Project Site. Historical topographic maps dated 1904, 1953, 1981, 1983, 2004, and 2012 were available for review. In general, the large scale of the topographic maps (1 inch = 0.5 mile) renders most specific land uses at ground level to be indistinguishable. Review of the historical topographic maps did not indicate evidence or conditions that would pose a REC to the Project site.

#### 4.9.1.4 Historical Sanborn Fire Insurance Maps

GEOCON did not review Sanborn fire insurance maps as EDR indicated that Sanborn map coverage do not exist for the Proposed Project Site and vicinity.

# 4.9.1.5 Hazardous Materials Inspection Reports

The Fresno County Environmental Health Division (FCEHD) indicated that they have 604 documents pertaining to the Proposed Project Site accessible via the FCEHD's online document portal. These documents include food facility inspection reports, water quality results, UST permits, well completion

reports, Auberry Elementary School maps and plans, and letters from the Central Valley RWQCB. Water quality results for the drinking water supply wells onsite indicate that the water has tested positive for coliform bacteria in the past. There is no DWR well destruction report on file with the FCEHD for the four groundwater monitoring wells installed in March 2002.

#### 4.9.1.6 Site Reconnaissance

On December 13, 2018, Mr. Cord Denning, Senior Staff Scientist, and Mr. Christian Virrueta, Staff Geologist, performed the site reconnaissance. Weather conditions during the reconnaissance was sunny with temperatures approximately 65°F. Photos of various site features are appended to Appendix E – *Phase I Environmental Site Assessment Report* as Appendix D.

The Project site is a vacant elementary school with classrooms, a gymnasium, cafeteria, library, asphalt-paved driveways and parking lot, maintenance garage, and open space vegetated with grasses, trees, and brush. The Auberry Volunteer Fire Department station is in the northeastern portion of the site. Presented below are GFCON's observations:

## School Campus

The main school campus consists of seven permanent buildings and four portable classrooms. Five permanent buildings house the office, gymnasium, cafeteria, kitchen, classrooms, restrooms, and two boiler rooms. A boiler, sump, and floor drain are present in each of the boiler rooms in the lower level of the cafeteria building and the southern end of the gymnasium, administration, and classroom building. Two permanent buildings, two portable classrooms, a maintenance garage, and an asphalt-paved parking lot are to the north and northwest of the cafeteria building. The permanent buildings house the library and more classrooms.

The Auberry Volunteer Fire Department Station, in the northeastern portion of the Proposed Project Site, includes a garage, a mobile office, storage containers, an emergency vehicle, and a water holding tank. The SUSD currently rents out the maintenance garage to Mountainflame Propane, a local propane distributor. Twenty-five refurbished 100- to 1,000-gallon propane containers were temporarily stored on the parking lot. An empty 500-gallon split gasoline and diesel above ground storage tank, a storage shed with old cans and five-gallon buckets of paint and primer, empty 55-gallon drums, and metal debris are adjacent to the maintenance garage. Inside the maintenance garage, de minimus oil spills, an in-ground lift, non-functioning pick-up truck, small catamaran, and other miscellaneous items were observed. The inground lift is a REC for the site because it constitutes a "material threat" of a release, which could impact surrounding soil with hydraulic fluid.

#### Exterior Areas

The Proposed Project Site also contains open space vegetated with grasses, trees, and brush. Little Sandy Creek is located along the western portion of the site. GEOCON observed various waste and debris in the northeastern portion of the site including metal, wood, plastic, tires, and discarded appliances. A padmounted transformer and switchboard enclosure are east of the library and classroom building. The transformer appeared to be in fair condition, but GEOCON observed no labels regarding polychlorinated biphenyls (PCB) content. GEOCON observed no evidence of leakage from this transformer.

Four water supply wells (including two inactive wells) are distributed throughout the site. The well in the northern portion of the campus was disconnected from the school water supply system in April 2001 due to elevated methyl tert-butyl ether (MTBE) concentrations in water samples collected from this well. The two most recent water supply wells were installed in June 2002 and October 2003 (see *Section 4.9.1.1.1 Environmental Database Review* for more information on the inactive wells).

### Offsite Survey

Adjoining and adjacent properties consist of the following:

- North single-family residence and mobile home park.
- East Auberry Road, single-family residences, and undeveloped parcel(s)
- South single-family residences, a Mexican restaurant, and auto repair facility
- West dry Little Sandy Creek and undeveloped parcel(s)

GEOCON observed no evidence of RECs on properties adjacent to the site.

## 4.9.1.7 Asbestos-Containing Materials

The use of asbestos in common building materials has been mostly discontinued since the late 1970s. Suspect asbestos-containing materials (ACM) were not observed within the building materials at the Project site. However, given the age of most of the structures onsite, ACM may be present in onsite buildings scheduled for demolition. An asbestos survey was not included in the subject scope of services of GEOCON's assessment.

#### 4.9.1.8 Lead-Based Paint

The use of lead-based paints (LBP) was common practice in building construction prior to 1978. Given the age of most of the structures onsite, lead-based painted surfaces may be present in onsite structures. An LBP survey was not included in the subject scope of GEOCON's assessment.

## 4.9.1.9 Aerially Deposited Lead

Due to the historical use of leaded gasoline, aerially deposited lead (ADL) is potentially present in shallow soils along highways that conveyed traffic between the 1920s through the 1980s. Based on current and historic use, the Project site is not at risk of ADL.

## 4.9.1.10 Polychlorinated Biphenyls

The federal Toxic Substances Control Act generally prohibited the domestic manufacturing of PCBs after 1979. However, hydraulic fluids or dielectric insulating fluids typically found in electrical transformers, hydraulic equipment, capacitors, and similar equipment may contain PCBs if such materials have been present prior to the late 1970s. A hydraulic lift, which will be removed, is in the existing warehouse in the middle of the Proposed Project Site. Moore Twining Associates, Inc. conducted a subsurface soil investigation in April 2019. The analytical results of the soil and groundwater samples collected from the areas adjacent to the hydraulic lift system showed no detectable petroleum hydrocarbons, VOCs, and

PCBs analyzed. No additional investigation or remedial action appears to be warranted for the Project site. Based on these observations, the potential for the presence of PCBs is not considered a REC to the Project site.

### 4.9.1.11 Radon

Radon is a colorless, odorless, tasteless, and radioactive gas that is produced as a natural decay product of uranium. Because of its radioactivity, studies have shown that at elevated concentrations there is a link between radon and lung cancer. Persons living in a building with elevated radon concentrations may have an increased risk of contracting lung cancer over a period of years. The Project site, located in Fresno County, is a USEPA Radon Zone 2, an area of moderate radon potential with levels of radon typically below the USEPA radon threshold limit of 4.0 pCi/L. Potentially high radon levels are typically associated with geologic uplift, the uranium/lignite belt, or granite or shale outcrops. Radon was not tested in the *Phase I Environmental Site Assessment Report* but is not anticipated to be a REC to the Project Site.

## 4.9.2 Regulatory Setting

Federal and state laws and regulations pertaining to hazards and hazardous materials and relevant to the Project are identified in Appendix E. At the local level, the following objectives, policies, and programs were taken from the Health and Safety Element of the Fresno County General Plan (2000).

- Goal HS-D To minimize the loss of life, injury, and property damage due to seismic and geologic hazards.
- Goal HS-F To minimize the risk of loss of life, injury, serious illness, and damage to property resulting from the use, transport, treatment, and disposal of hazardous materials and hazardous wastes.
- Goal HS-G To protect residential and other noise-sensitive uses from exposure to harmful or annoying noise levels; to identify maximum acceptable noise levels compatible with various land use designations; and to develop a policy framework necessary to achieve and maintain a healthful noise environment.

## 4.9.3 Hazards and Hazardous Materials (IX) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?			x	

# Less than significant.

Some hazardous materials, such as diesel fuel, gasoline and other lubricants, would be used onsite during construction and would be stored onsite and used on and offsite during Center operation. The transport

of hazardous materials by truck is regulated by federal safety standards under the jurisdiction of the U.S. Department of Transportation. Due to the relatively small quantities involved, and because all on- and offsite storage and use of lubricants, fuels, and solvents would be conducted consistent with applicable regulations, use of these materials would not create a significant hazard to the public and impacts would be less than significant. No mitigation would be required.

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			x	

## Less than significant.

During construction, there would be a low risk for accidental discharge of hazardous materials associated with heavy duty machinery. Related risks would be addressed through the implementation of BMPs and contractor compliance with related regulatory requirements for transport and temporary storage of construction related fuels and lubricants. Therefore, the potential for the accidental release of hazardous materials during construction is considered unlikely. A less than significant impact would occur.

During operation, the CCC Center would be equipped with an onsite emergency power system consisting of a pad-mounted 150kW diesel engine generator with UST, which will have a capacity sufficient for 72 hours of generator operation at 100 percent load and would be designed and constructed consistent with applicable standards, including secondary containment. The Center would also include a 200-sf hazardous materials storage building in the western portion of the warehouse parking area. This building would be designed for hazardous materials storage consistent with applicable regulations and would be specially designed for ventilation and secondary containment. Because onsite storage and use of hazardous materials would comply with all applicable regulations, impacts are less than significant, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			x	

## Less than significant.

There are no schools located within ¼ mile of the Project site. The nearest school to the Project site is Sierra High School, located approximately 3.4 miles to the southeast. Please see the response to b) above. Impacts would be less than significant. No mitigation would be required.

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				x

## No impact.

GEOCON conducted a search of the DTSC's Hazardous Waste and Substance List (Cortese List) and EnviroStor online database and the SWRCB's GeoTracker online database for the Project Area and did not identify any potential or confirmed state or federal Superfund sites located within or immediately adjacent to the Project site. Therefore, the Proposed Project would not be located on a site which is included on a list of hazardous material sites. No impact would occur.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
e)	For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?				x

### No impact.

The closest airport to the Project site is Johnston Field-5CL9, approximately 4.5 miles north of the Project site. Due to the distance of the Proposed Project Site to a public use airport, no hazards to people residing or working in the Proposed Project Area would result. No impact would occur.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
f)	Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				х

#### No impact.

The Fresno County Operational Area Master Emergency Services Plan (2017) sets forth policies to address and respond to extraordinary emergency situations associated with natural disasters, technological incidents, and national security emergencies affecting Fresno County. Construction of the Proposed Project would not interfere with the above-listed emergency response and recovery plan and would enhance ability to respond to emergency situations locally. No impact would occur.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
g)	Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?			x	

### Less than significant.

According to the *Draft Fire Hazard Severity Zones in* (both) *State* and *Local Responsibility Area* map published by CAL FIRE, the Project Site is located in an other-moderate fire hazard severity zone in Fresno County. Much of the surrounding area is high other severity hazard. However, as described in the Project Description, the Proposed Project will have several fire prevention measures including buildings designed for durability and wildfire resistance with exterior material such as noncombustible fiber cement siding with adhered masonry stone veneer wainscots. The facility will also house 90 Corpsmembers who will be training and equipped to respond to both natural and manmade disasters (including fire) in an area that currently does not have this type of facility. Therefore, the Proposed Project will have a less than significant impact on increasing the wildfire risk within the area or further exposing people or structures to additional significant risk of loss, injury, or death involving wildland fires.

## 4.9.4 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

## 4.10 Hydrology and Water Quality

## 4.10.1 Environmental Setting

## 4.10.1.1 Regional Hydrology

The Project Site is located within the Upper San Joaquin River Basin. The San Joaquin River is the second largest river system in California. The upper San Joaquin River Basin encompasses approximately 1,720 square miles from Friant Dam up to the headwaters of its north, middle and south forks. The geographical area of the basin includes the high elevation crest of the Sierra Nevada mountain range from Yosemite National Park at its northernmost extent, easterly down the Mono Creek drainage and Mono Pass, and finally as the south fork of the San Joaquin flowing from Goddard Canyon, Kings Canyon National Park (USGA Hydrological Unite Code 18040006).

There is a total of 20 water courses in the upper basin, 498 lakes, of which nine are man-made for power production. There is a total of 1,100,800 acres of watershed in the upper basin and 1,900 river/stream

miles of which 1,435 are perennial river/stream miles. Approximately 2/3's of the upper watershed is within the Sierra National Forest in both Fresno and Madera counties and is about 1,500 square miles in area that is predominately conifer forest or above timberline within the headwaters region along the western crest of the Sierra Nevada Mountain range. A portion of the watershed also extends into the Inyo National Forest. There is approximately 1,861,000 acre feet of annual average surface water run-off that is accumulated in the upper basin all of which ultimately flows into Millerton Lake behind Friant Dam which is operated by the U.S. Bureau of Reclamation. Millerton Lake's maximum storage capability at any given time is 520,000 acre feet. Under current operations, approximately 90 percent of the collected runoff is diverted via the Friant Kern and Madera canals at Friant Dam primarily for agricultural use, as well as some for urban use.

Water resources in Fresno County include a number of rivers and streams, artificial waterways, and groundwater. The main source of all water in Fresno County comes from the Fresno Sole Source Aquifer, a large underground water system that supplies many communities in the San Joaquin Valley.

Surface water in Fresno County is used for a variety of agricultural, urban, and industrial activities. Agricultural uses include drinking water for livestock, wash water on dairies, irrigation of crops and pasturelands, and frost protection of sensitive crops in the spring. Urban uses include water used for drinking water and other indoor and outdoor household activities, including flushing of toilets and irrigation of gardens. Industrial users of water include mining, hydroelectric power, and sewage treatment activities. Surface water and well as groundwater are the primary water sources for Fresno County.

Groundwater resources in the San Joaquin River region are supplied by alluvial aquifers and by fractured-rock aquifers. Alluvial aquifers are comprised of sand and gravel or finer-grained sediments, with groundwater stored within the voids, or pore space, among the alluvial sediments. Fractured-rock aquifers consist of impermeable granitic, metamorphic, volcanic, or hard sedimentary rocks, with groundwater being stored in fractures or other void spaces. The distribution and extent of alluvial and fractured-rock aquifers and water wells vary in the San Joaquin River region. DWR Bulletin 118-2003 identifies 11 alluvial groundwater basins and sub-basins in the San Joaquin River region. The 11 basins and sub-basins underlie approximately 5,830 square miles or 38 percent of the hydrologic region. Most of the groundwater in the San Joaquin River region is stored in alluvial aquifers (California's Groundwater Bulletin 118).

### 4.10.1.2 Onsite Drainage

The Project Site is currently developed and is located on hilly terrain. Current site topography generally slopes down from the north to the south-southwest and east to west at elevations ranging from approximately 2,020 feet down to 1,965 feet above mean sea level. Natural slope inclinations are relatively gentle in the southern portion of the site, transitioning to steeper slopes in the northern portion of the site. Site drainage is primarily by sheet flow to the low-lying wetland areas and existing Little Sandy Creek.

# 4.10.2 Hydrology and Water Quality (X) Environmental Checklist and Discussion

	Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?			x	

### Less than significant.

The majority of the precipitation for the area occurs during the winter months; however, adverse storm events can also occur outside of the winter. During construction of the Proposed Project, impacts to water resources could occur without proper controls to protect water quality and reduce impacts to soil erosion. Soil can be loosened during demolition, fill and grading, paving, and tree removal processes. Loosened soils and spills of fluids or fuels from construction vehicles and equipment or miscellaneous construction materials and debris could degrade surface and ground water quality. A heavy rainfall event could cause pollutants to flow offsite and reach nearby surface water drainages. The Project Site and area impacted would be more than one acre, making the Proposed Project subject to the requirements of the statewide NPDES storm water permit for construction (Order 98-08-DWQ). A SWPPP, a required element of the NPDES, includes a listing of BMPs to prevent construction pollutants and products from violating water quality standards or waste discharge requirements [SWRCB 2010]. The SWPPP would be required for the Proposed Project.

All operational activities would be performed consistent with water quality regulations and all hazardous material special use areas would be designed to protect against surface and groundwater contamination. Additionally, CCC would comply with all federal, state, and local regulations regarding the storage of hazardous waste and all onsite hazardous waste storage would occur within the specially designed hazardous waste storage building which would be equipped with secondary containment.

The Project site and surrounding area are served by well water and septic systems. Wastewater will be disposed of via a leach field. There are several existing leach fields on the property. However, due to changing demands of the site, it is recommended to abandon and remove all existing leach fields and septic tanks. A new approximately 5,000-gallon septic tank will be installed, and existing septic tanks will be removed. A new leach field will be developed to the south of the dormitories. According to the Geotechnical Investigation, the predominant soil in the area is Visalia Sandy Loam. This is a sandy clay composed of approximately 70% sand, 15% clay and well drained. Based on this information, an estimate of 40 square feet of leaching area per 100 gallons was used. The maximum absorption capacity was assumed to be 2.5 gallons per square feet of leaching area per day. In order to treat the effluent stream, a leaching area of 3,600 square feet will be necessary.

Storm drain improvements will be designed in accordance with Fresno County Low Impact Development Standards Manual. Onsite improvements will be designed for the 85th percentile storm event and site grading will ensure all impervious areas and surface drainage are directed toward bioretention areas prior

to release to existing wetlands and drainage channels. Final treatment measures will be consistent with a Storm Water Control Plan. A less than significant impact would occur. No mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?			x	

# Less than significant.

The Proposed Project site is not in proximity to a public water system and it appears infeasible to extend service to the Proposed Project site. Domestic water for the Proposed Project would be provided by the existing onsite wells. Four wells are currently located on the site. Representatives from SUSD stated that only two of these (Well #2 and Well #4) are used, and that their pumps were replaced in 2015. Well #2 pumps approximately 60 gpm and Well #4 produces approximately 40 gpm for a combined capacity of 100 gpm. Wells #1 and #3 do not have pumps. This water is then pumped to a 45,000-gallon water tank adjacent to the fire station. From there, the domestic water runs to a hydro-pneumatic storage tank and booster pump. Water for fire suppression is supplied on a separate line directly from the water tank. This water tank is shared with the adjacent fire department, which fills its fire engine tank prior to fire calls. The Project will replace the existing water tank with a new 240,000-gallon tank.

Using Table H201.1(2) of the 2016 Plumbing Code, a Project use of this type can be expected to generate 100 gallons of water demand per person per day. The low impact design of the buildings with high efficiency appliances will likely reduce water demands. Therefore, the estimate of 75 gallons of water demand per person per day was used for the basis of this report. For a maximum of 90 Corpsmembers and 26 staff, the water system would need to provide 8,700 gallons of water per day or 60,900 gallons per week.

Auberry Elementary School, supported by the onsite water wells discussed above, contained approximately 400 students from 1995-2002. The student body decreased steadily after 2002 and was comprised of 198 students by the time the school closed in 2011 (Public School Review 2020). According to CalEEMod Version 2016.3.2, an elementary school land use type with a student body of 400 students would use approximately 969,696 gallons of water per year or 18,648 gallons per week. A student body of 198 students would use 479,999 gallons per year or approximately 9,231 gallons per week. These models are not exact predictors for water use while Auberry Elementary School was active, but they give a general approximation. SUSD did not have historic water use information available for Auberry Elementary School when contacted by ECORP.

In addition, the school grounds supported approximately 138,000 square feet of irrigated lawn on the western side, which have not been irrigated since the school closed (irrigated landscape square footage approximated from EDR Aerial Photo Decade Package, see Appendix E). It takes approximately 27,000 gallons to cover one acre (43,560 square feet) of lawn with one inch of water, a weekly lawn watering

requirement (Today's Homeowner 2020). That equates to the school well water system using approximately 85,500 gallons of water per week on lawn irrigation, a use that will not remain under the Proposed Project. The Proposed Project does not propose any landscaping as part of the construction of the Center, but the CCC will be undertaking drought-tolerant landscaping as an internal project once the Proposed Project is complete.

As shown above, it is anticipated that the Project site will have similar or less water demand than historically required to operate the Auberry Elementary School. Water demand for the Proposed Project is anticipated to be approximately 60,900 gallons per week, with some additional demand anticipated for limited landscaping. Water demand when the school closed in 2011 is approximated at 94,731 gallons per week. This is primarily due to the considerably less total area of watered landscaping compared to the school when it was in operation. As previously discussed, the Proposed Project will also be designed to meet LEED Silver standards, which include sustainable water use. Consequently, the Proposed Project is not expected to have a substantial impact on groundwater supplies in comparison to historic use at the Project site. This impact is less than significant, and no mitigation is required.

The Proposed Project involves development of a new CCC campus utilizing existing structures and improvements associated with the abandoned school. Although the Project does include development of a new 7,500-sf paved warehouse yard, a new 841-sf women's COMET building, and various small walkways and service areas, the overall impervious surfaces associated with the Project will be substantially the same as existing conditions. Impacts to groundwater recharge would be less than significant.

As such, the Proposed Project would have a less than significant impact on groundwater supply and recharge. No mitigation would be required.

Wo	uld t	he Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	of alt thr	bstantially alter the existing drainage pattern the site or area, including through the eration of the course of a stream or river or rough the addition of impervious surfaces, in a anner that would:			x	
	i)	result in substantial erosion or siltation on- or offsite;			Х	
	ii)	substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;			x	

Would th	he Project:  create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
iv)	impede or redirect flood flows?			х	

## Less than significant.

The Proposed Project will not substantially alter the existing drainage pattern of the Project site; however, improvements to the drainage system will be made to better convey stormwater runoff. Site drainage would be designed for the 85th percentile storm event and therefore would not exceed the capacity downstream of the existing or planned drainage systems. Additionally, the Proposed Project will be utilizing the majority of the existing structures. Addition of new structures will be minimal when compared to the existing footprint and impervious surfaces. Therefore, the Project will have a less than significant impact to flood flows. No mitigation would be required.

Woi	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?			x	

## Less than significant.

The Project Site is not located in an area protected by levees. According to the Federal Emergency Management Agency maps, the Project Site is located in Zone X (area of minimal flood hazard). Additionally, The Project Site is neither located near any large bodies of water nor located inland, and not within a seiche, tsunami, or mudflow hazard area. Therefore, the Proposed Project would not be subject to inundation by seiche, tsunami, or mudflow. A less than significant impact would occur. No mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
e)	Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?				X

#### No impact.

As stated above, the Proposed Project would be required to comply with SWPPP and NPDES regulations and would not obstruct or conflict with water quality control or sustainable groundwater management plans. No impact would occur, and no mitigation is required.

## 4.10.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

# 4.11 Land Use and Planning

# 4.11.1 Environmental Setting

The Project is proposed at the former Auberry Elementary School located at 33367 North Auberry Road in the unincorporated community of Auberry in Fresno County (see Figure 2-1 and Figure 2-2). The Auberry Elementary School was originally constructed in 1939. Due to a declining student population, the SUSD was forced to close the school in 2012. The Proposed Project Site has a general plan designation of Mountain Urban and has a zoning designation of Rural Residential (RR). The nearest residential use is located approximately 100 feet north of the Proposed Project Site. The Proposed Project Site is currently an abandoned elementary school. The State of California and state-owned land such as the Auberry school site are not subject to local city or county land use and zoning regulations. However, the State is subject to the requirement under CEQA to assess project-related impacts that may occur as a result of conflicts between existing and proposed land uses.

# 4.11.2 Land Use and Planning (XI) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Physically divide an established community?				х

#### No impact.

Projects such as a railroad line, major highway, or water canal may result in physically dividing an established community by removing existing roadway connections, walkways and bike paths and other types of links between community areas. This may result in the division of an existing community by removing those connections. The Proposed Project would not introduce elements that would result in the removal of roadways or other connections in the surrounding community. The Proposed Project would have no impact in this area. No mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				x

### No impact.

The State of California and State-owned land, such as a CCC facility, are not subject to local city or county land use and zoning regulations. Although the State is not subject to local land use and zoning regulations, local land use regulations were considered in this IS/MND, and the Project as proposed does not appear to conflict with any local regulations. Therefore, the Proposed Project would have no impact in this area. No mitigation would be required.

# 4.11.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

### 4.12 Mineral Resources

# 4.12.1 Environmental Setting

The most commonly listed minerals mined in Fresno County are chromium, tungsten, and gold and aggregate resources, primarily sand and gravel. Three sources of aggregate materials are present in Fresno County: quarries, instream gravel, and terrace gravel deposits. For most aggregate uses, rock from each of these sources requires varying amounts of processing.

The demand for minerals and aggregate is typically related to the size of the population, and construction activities, with demand fluctuating from year to year in response to major construction projects, large development activity, and overall economic conditions.

## 4.12.2 Mineral Resources (XII) Environmental Checklist and Discussion

Would the Project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				Х

### No impact.

According to Mineral Land Classification maps located on the DOC website, the Project Site is not located in a mineral resources zone. The Proposed Project would not result in the loss of availability of a known

mineral resource that would be of value to the region and the residents of the state. There are no mining activities being conducted or planned for the site. Therefore, no impact would occur, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				X

### No impact.

The Proposed Project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan. No impact would occur, and no mitigation is required.

## 4.12.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

#### **4.13** Noise

### 4.13.1 Environmental Setting

### 4.13.1.1 Noise Fundamentals

Noise is generally defined as sound that is loud, disagreeable, or unexpected. The selection of a proper noise descriptor for a specific source is dependent on the spatial and temporal distribution, duration, and fluctuation of the noise. The noise descriptors most often encountered when dealing with traffic, community, and environmental noise include the average hourly noise level (in  $L_{eq}$ ) and the average daily noise levels/community noise equivalent level (in  $L_{dn}$ / CNEL). The  $L_{eq}$  is a measure of ambient noise, while CNEL is a measures of community noise. Each is applicable to this analysis and defined as follows:

- **Equivalent Noise Level (Leq)** is the average acoustic energy content of noise for a stated period of time. Thus, the Leq of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or the night.
- Day-Night Average (L<sub>dn</sub>) is a 24-hour average L<sub>eq</sub> with a 10-dBA (A-weighted decibels) "weighting" added to noise during the hours of 10:00 pm to 7:00 am to account for noise sensitivity in the nighttime. The logarithmic effect of these additions is that a 60 dBA 24-hour L<sub>eq</sub> would result in a measurement of 66.4 dBA L<sub>dn</sub>.
- **Community Noise Equivalent Level (CNEL)** is a 24-hour average L<sub>eq</sub> with a 5-dBA weighting during the hours of 7:00 pm to 10:00 pm and a 10-dBA weighting added to noise during the

hours of 10:00 pm to 7:00 am to account for noise sensitivity in the evening and nighttime, respectively.

Noise can be generated by a number of sources, including mobile sources, such as automobiles, trucks and airplanes, and stationary sources, such as construction sites, machinery, and industrial operations. Sound spreads (propagates) uniformly outward in a spherical pattern, and the sound level decreases (attenuates) at a rate of approximately 6 dB for each doubling of distance from a stationary or point source. Sound from a line source, such as a highway, propagates outward in a cylindrical pattern, often referred to as cylindrical spreading. Sound levels attenuate at a rate of approximately 3 dB for each doubling of distance from a line source, such as a roadway, depending on ground surface characteristics (Federal Highway Administration [FHWA] 2011). No excess attenuation is assumed for hard surfaces like a parking lot or a body of water. Soft surfaces, such as soft dirt or grass, can absorb sound, so an excess ground-attenuation value of 1.5 dB per doubling of distance is normally assumed. For line sources, an overall attenuation rate of 3 dB per doubling of distance is assumed (FHWA 2011).

Noise levels may also be reduced by intervening structures; generally, a single row of detached buildings between the receptor and the noise source reduces the noise level by about 5 dBA (FHWA 2008), while a solid wall or berm generally reduces noise levels by 10 to 20 dBA (FHWA 2011). However, noise barriers or enclosures specifically designed to reduce site-specific construction noise can provide a sound reduction of 35 dBA or greater (Western Electro-Acoustic Laboratory, Inc. 2000). To achieve the most potent noise-reducing effect, a noise enclosure/barrier must physically fit in the available space, must completely break the "line of sight" between the noise source and the receptors, must be free of degrading holes or gaps, and must not be flanked by nearby reflective surfaces. Noise barriers must be sizable enough to cover the entire noise source and extend lengthwise and vertically as far as feasibly possible to be most effective. The limiting factor for a noise barrier is not the component of noise transmitted through the material, but rather the amount of noise flanking around and over the barrier. In general, barriers contribute to decreasing noise levels only when the structure breaks the "line of sight" between the source and the receiver.

The manner in which older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. The exterior-to-interior reduction of newer residential units is generally 30 dBA or more.

### 4.13.1.2 Sensitive Noise Receptors

Noise-sensitive land uses are generally considered to include those uses where noise exposure could result in health-related risks to individuals, as well as places where quiet is an essential element of their intended purpose. Residential dwellings are of primary concern because of the potential for increased and prolonged exposure of individuals to both interior and exterior noise levels. Additional land uses such as hospitals, historic sites, cemeteries, and certain recreation areas are considered sensitive to increases in exterior noise levels. Schools, churches, hotels, libraries, and other places where low interior noise levels are essential are also considered noise-sensitive land uses.

The Project is proposing to replace the existing dilapidated elementary school with an upgraded, modern facility that will allow the CCC to better fulfill its mission and objectives in the region. The nearest noise-

sensitive land uses that will be impacted by onsite construction and Project operations consist of single-family residences located on the southern and northern boundary of the Project site, with the closest residents located approximately 100 feet away from the nearest activity areas on the site.

## 4.13.1.3 Existing Noise Environment

The community of Auberry is impacted by various noise sources. It is subject to typical rural noise such as noise generated by traffic, heavy machinery, and day-to-day outdoor activities. Mobile sources of noise, especially cars and trucks, are the most common source of noise in the community. The Johnston Field Airport (5CL9) is located approximately 4.5 miles north of the Project site. The Project site is located outside the 60 dBA CNEL noise impact zone for all airports in the area per the *Background Report* of the 2000 Fresno County General Plan.

### 4.13.1.4 Vibration Fundamentals

Ground vibration can be measured several ways to quantify the amplitude of vibration produced. This can be through peak particle velocity or root mean square velocity. These velocity measurements measure maximum particle at one point or the average of the squared amplitude of the signal, respectively. Vibration impacts on people can be described as the level of annoyance and can vary depending on an individual's sensitivity. Generally, low-level vibrations may cause window rattling but do not pose any threats to the integrity of buildings or structures.

# 4.13.2 Noise (XIII) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			x	

### Less than significant.

The Project would be a source of noise during both construction and operations. For the purposes of this analysis, Fresno County's noise regulations were considered to assess potential impacts.

### 4.13.2.1 Construction Noise Impacts

Construction noise associated with the proposed Project would be temporary and would vary depending on the nature of the activities being performed. Noise generated would primarily be associated with the operation of off-road equipment for onsite construction activities as well as construction vehicle traffic on area roadways. Construction noise typically occurs intermittently and varies depending on the nature or phase of construction (e.g., building construction, building rehabilitation, paving). Noise generated by

construction equipment, including earth movers, material handlers, and portable generators, can reach high levels. Typical operating cycles for these types of construction equipment may involve one or two minutes of full power operation followed by three to four minutes at lower power settings. Other primary sources of acoustical disturbance would be random incidents, which would last less than one minute (such as dropping large pieces of equipment or the hydraulic movement of machinery lifts). During construction, exterior noise levels could negatively affect sensitive receptors in the vicinity of the construction site.

Noise levels associated with individual construction equipment are summarized in Table 4.13-1.

**Table 4.13-1. Typical Construction Equipment Noise Levels** 

Type of Equipment	Maximum Noise (L <sub>max</sub> ) at 50 Feet (dBA)	Maximum 8-Hour Noise (L <sub>eq</sub> ) at 50 Feet (dBA)
Crane	80.6	72.6
Dozer	81.7	77.7
Excavator	80.7	76.7
Generator	80.6	77.6
Grader	85.0	81.0
Other Equipment (greater than 5 horsepower)	85.0	82.0
Paver	77.2	74.2
Roller	80.0	73.0
Tractor	84.0	80.0
Dump Truck	76.5	72.5
Concrete Pump Truck	81.4	74.4
Welder	74.0	70.0

Source:

FHWA, Roadway Construction Noise Model (FHWA-HEP-05-054), dated January 2008.

Note:

Lea is the average acoustic energy content of noise for a stated period of time. Thus, the Lea of a time-varying noise and that of a steady noise are the same if they deliver the same acoustic energy to the ear during exposure. For evaluating community impacts, this rating scale does not vary, regardless of whether the noise occurs during the day or night, L<sub>max</sub> is the maximum and minimum Aweighted noise level during the measurement period.

The nearest noise-sensitive land uses to proposed onsite construction areas consist of single-family residences with the closest residence being approximately 100 feet north of Project site. Based on the construction equipment noise levels listed in Table 4.13-1, and assuming an average noise attenuation rate of 6 dB per doubling of distance from the source, predicted maximum eight-hour noise levels at the nearest sensitive receptor due to onsite construction would range from approximately 66.5 to 76.0 dBA Leq.

Thus, during the construction phase of the Project, nearby receivers could experience an increase in noise. The County limits the time that construction can take place, between the hours of 6:00 a.m. and 9:00 p.m. on weekday, or between the hours of 7:00 a.m. and 5:00 p.m. on Saturday or Sundays, (Code of Ordinance Section 8.40) but does not promulgate numeric thresholds pertaining to the noise associated with construction. It is typical to regulate construction noise in this manner since construction noise is

temporary, short term, intermittent in nature, and would cease on completion of the Project. Furthermore, construction noise is generally accepted as a reality within the environment. Additionally, construction would occur throughout the Project site and would not be concentrated at one point. Therefore, noise generated during construction activities, as long as conducted within the permitted hours, would not exceed County noise standards.

## 4.13.2.2 Operational Offsite Traffic Noise Impacts

Project operation would also result in additional traffic on adjacent roadways, thereby increasing vehicular noise in the Project area. According to *Caltrans Technical Noise Supplement to the Traffic Noise Analysis Protocol* (OHP 2013a), doubling of traffic on a roadway is necessary in order to result in an increase of 3 dB (a barely perceptible increase). The main roadway traversing the Project site is Powerhouse Road/Auberry Road. Per the Transportation Impact Assessment prepared by KD Anderson and Associates, Inc. (2020), the Project would generate approximately 90 vehicle trips daily resulting in a daily traffic volume increase of 62 percent on Auberry Road. This amount of additional traffic would not result in a doubling of traffic on any of the vicinity roadways and would represent a small incremental addition to the current traffic volumes. Thus, the Project's contribution to existing traffic noise would not be perceptible.

## 4.13.2.3 Operational Onsite Noise Impacts

The main stationary operational noise associated with the Project would be activities occurring on the Project site, such as internal vehicle circulation, parking, activities in the warehouse yard, and noise produced for the PV system solar array. Table 4.13-2 summarizes representative operational onsite noise sources.

Noise Level (dBA Leq) at the **Estimated Time of Use Stationary Sources** Source Parking Lot Activities 60.0 dBA Anytime Playground & Sports Field 66.0 dBA Anytime Solar 47.1 dBA Anytime Warehouse/ Yard Activity 82.2 dBA 7:30 a.m.- 4:00 p.m.

Table 4.13-2. Summary of Onsite Stationary Sources

Source: Refer to Appendix F for noise level source citations.

The worst-case potential for onsite activities has been calculated using the SoundPLAN 3D noise model sourced with noise measurements taken by ECORP at similar facilities, the SoundPLAN 3D model Library, and previous noise studies. Per the Project applicant, warehouse operations would take place between the daytime hours of 7:30 a.m. to 4:00 p.m. and as such, this activity is not accounted for in the analysis of Project nighttime noise. The results of this model can be found in Appendix F. Table 4.13-3 shows the predicted Project noise levels at the two closest noise-sensitive land use in the Project vicinity, as predicted by the SoundPLAN 3D noise model.

Table 4.13-3. Modeled Operational Noise Levels

Site Location	Location	Modeled Operational Noise Attributable to Project (Leq dBA)	County Standards (dBA) <sup>1</sup>	Exceed Standard?	
Daytime (7:00 a.m. – 10:00 p.m.)					
1	Residential Home approximately 100 feet north of Project site	40.9 dBA	50 dBA	No	
2	2 Residential Home approximately 120 feet south of Project site		50 dBA	No	
Nighttime (10:00 p.m7:00 a.m.)					
1	Residential Home approximately 100 feet north of Project site	35.5 dBA	45 dBA	No	
2	Residential Home approximately 120 feet south of Project site	41.4 dBA	45 dBA	No	

Source: Stationary source noise levels were modeled by ECORP using SoundPLAN 3D noise model. Refer to Appendix F for noise modeling assumptions and results.

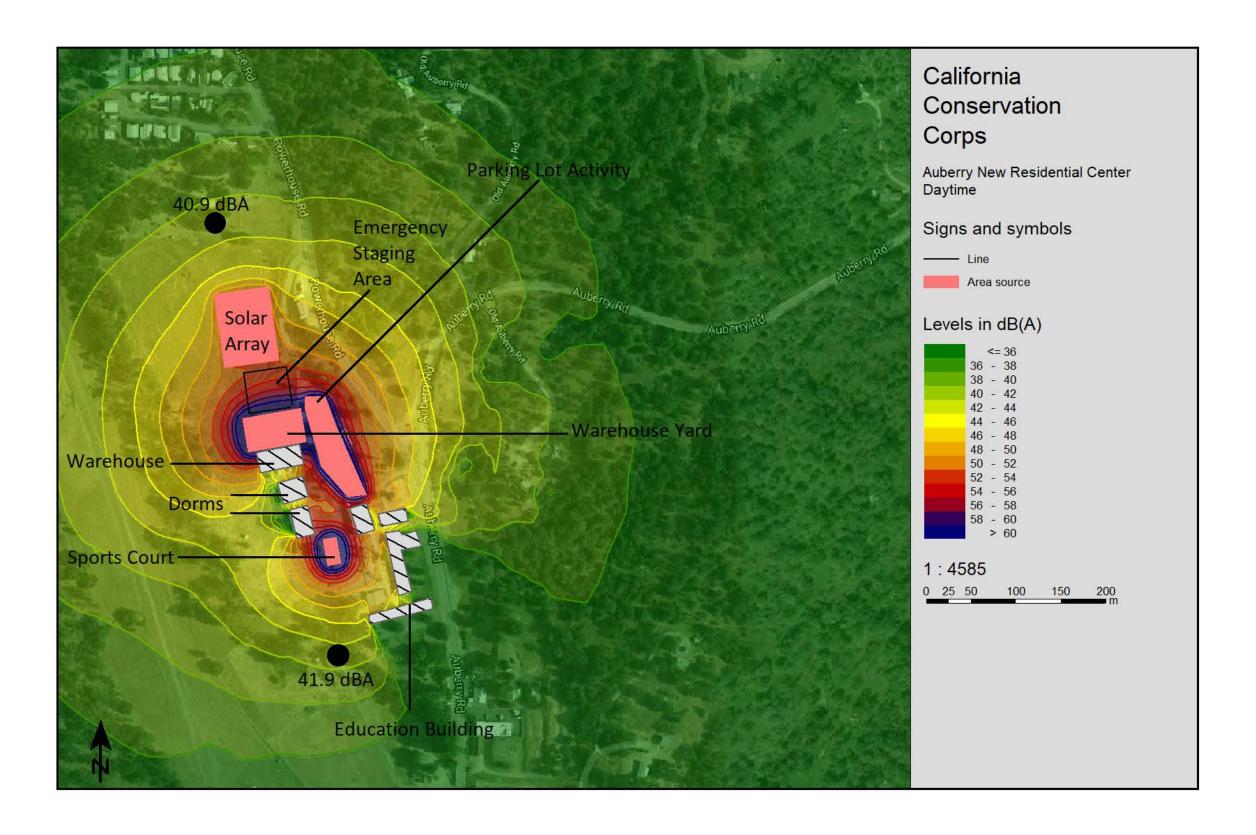
Notes: <sup>1</sup>Modeled operation noise levels are compared to the County of Fresno Exterior Noise Standards presented in the County of Fresno Municipal Code Chapter 8.40 *Noise Control*.

As shown in Table 4.13-3, noise levels as a result of the proposed Project have the potential to range from 40.9 to 41.9 dBA during daytime operations and from 35.5 to 41.4 dBA during nighttime operations at the nearest sensitive receptors as a result of full Project operations. These numbers fall below the exterior noise standards for residential land uses as presented in Chapter 8.40 of the Fresno County Municipal Code. It is noted that Project noise modeling represents a worst-case scenario in which all potential Project noise sources are being generated at full intensity at the same moment. It is very unlikely that noise levels on the Project site would reach that of those predicted in Table 4.13-3.

Figure 4-2. *Daytime Noise Contour Graphic* and Figure 4-3. *Nighttime Noise Contour Graphic* depict the predicted noise levels in the Project vicinity from daily operations for daytime and nighttime activity. The two black dots on the north and south end of the figures are noise receptor locations. Additionally, as previously stated the manner in which older homes in California were constructed generally provides a reduction of exterior-to-interior noise levels of about 20 to 25 dBA with closed windows. As such, noise generated by the proposed Project would fall below the County's interior noise standards for residential land uses as presented Chapter 8.40 of the Fresno County Municipal Code.

For the reasons described, this impact is less than significant.

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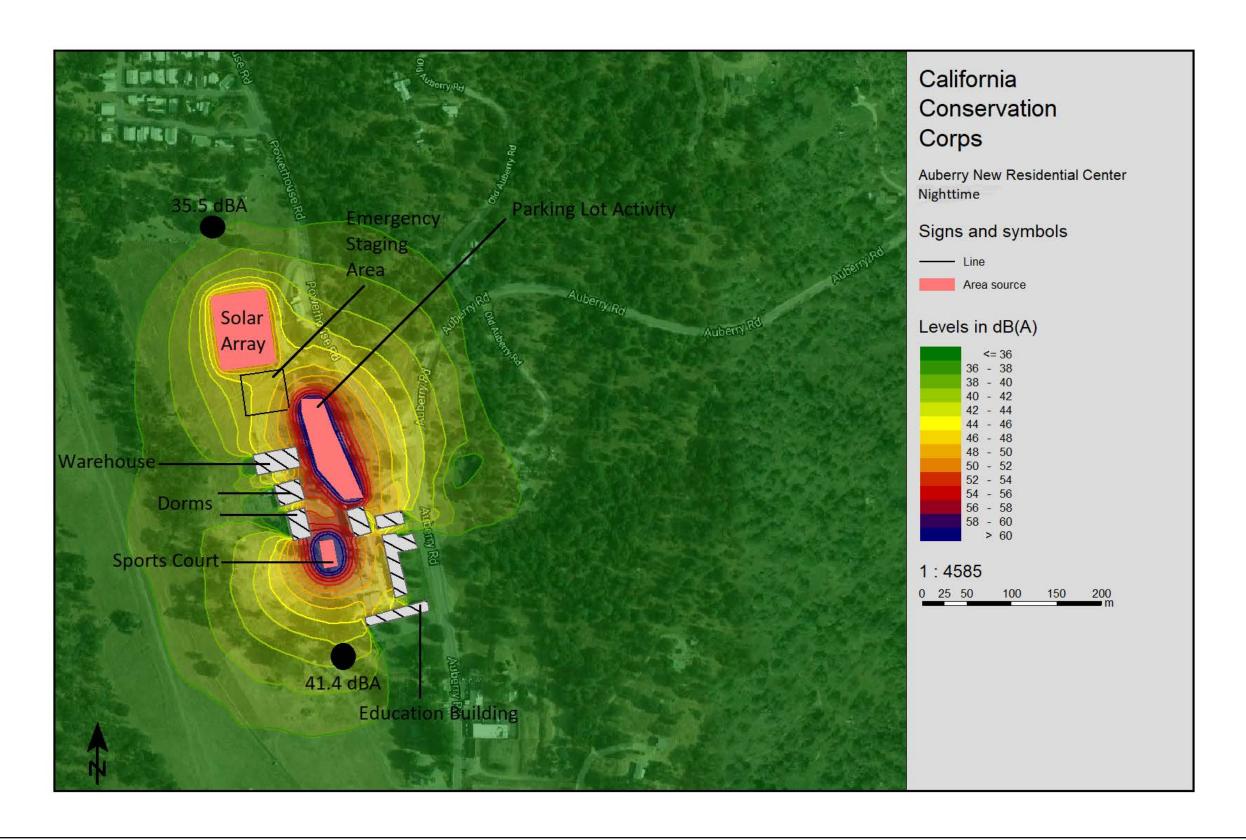




Figure 4-3. Nighttime Noise Contour Graphic

2018-116.003 CCC Auberry Center

Would the Project:		Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Result in generation of excessive groundborne vibration or groundborne noise levels?			X	

### Less than significant.

### 4.13.2.4 Construction-Generated Vibration

Excessive groundborne vibration impacts result from continuously occurring vibration levels. Increases in groundborne vibration levels attributable to the proposed Project would be primarily associated with short-term construction-related activities. Construction on the Project site would have the potential to result in varying degrees of temporary groundborne vibration, depending on the specific construction equipment used and the operations involved. Ground vibration generated by construction equipment spreads through the ground and diminishes in magnitude with increases in distance. Construction-related ground vibration is normally associated with impact equipment such as pile drivers, jackhammers, and the operation of some heavy-duty construction equipment, such as dozers and trucks. Vibration decreases rapidly with distance and it is acknowledged that construction activities would occur throughout the Project site and would not be concentrated at the point closest to sensitive receptors.

Groundborne vibration levels associated with construction equipment are summarized in Table 4.13-4.

Table 4.13-4. Representative Vibration Source Levels for Construction Equipment

Equipment Type	Peak Particle Velocity at 25 Feet (inches per second)
Large Bulldozer	0.089
Pile Driver	0.170
Caisson Drilling	0.089
Loaded Trucks	0.076
Rock Breaker	0.089
Jackhammer	0.0.5
Small Bulldozer/Tractor	0.003

Source: FTA 2018; OHP 2013b

The County of Fresno does not regulate vibrations associated with construction. However, a discussion of construction vibration is included for full disclosure purposes. For comparison purposes, the Caltrans' (OHP 2013b) recommended standard of 0.2 inch per second peak particle velocity (PPV) with respect to the prevention of structural damage for older residential buildings is used as a threshold. This is also the level at which vibrations may begin to annoy people in buildings.

It is acknowledged that construction activities would occur throughout the Proposed Project Site and would not be concentrated at the point closest to the nearest structure. The nearest structures of concern to the construction site are located approximately 100 feet away. Based on the vibration levels presented in Table 4.13-4, ground vibration generated by heavy-duty equipment would not be anticipated to exceed approximately 0.170 inch per second PPV at 25 feet. Thus, the structure located at 100 feet would not be negatively affected. Predicted vibration levels at the nearest structures would not exceed recommended criteria. This impact is less than significant.

### 4.13.2.5 Operational Groundborne Vibration

Project operations would not include the use of any stationary equipment that would result in excessive groundborne vibration levels. For this reason, no impact would occur.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the project area to excessive noise levels?				x

#### No impact.

The Project site is located approximately 4.5 miles north of the Johnston Field Airport (5CL9). The Project site is located outside the 60 dBA CNEL noise impact zone for all airports in the area per the Background Report of the 2000 Fresno County General Plan. Implementation of the proposed Project would not affect airport operations nor result in increased exposure of noise-sensitive receptors to aircraft noise. For this reason, no impact would occur.

## 4.13.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

# 4.14 Population and Housing

#### 4.14.1 Environmental Setting

The Project site is currently abandoned. U.S. Census data shows that the Census Designated Place of Auberry had a population of 2,369 in 2010. As of the 2010 Census, there were 957 total housing units in the community with a 10.5 percent vacancy rate (100 units). Comparatively, Fresno County had a 2010 Census population of 930,450 and a 2018 population estimate of 994,400. The County had 326,213 housing units in 2010, an 8.3 percent housing vacancy rate (26,140 units), and an average household size of 3.16 (U.S. Census Bureau 2019).

# 4.14.2 Population and Housing (XIV) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?			x	

# Less than significant.

The Proposed Project would not increase the number of homes or provide additional offsite infrastructure in the area. The Project would, however, provide residence for up to 100 personnel (staff and Corpsmembers) at the state-owned Auberry Center at a given time, with turnover occurring annually. The Center will operate throughout Fresno and Madera counties on a variety of natural resource projects including trail and boardwalk construction, stream-bank enhancement, and natural disaster response. The impact of population growth is less than significant, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Displace substantial numbers of people or existing housing, necessitating the construction of replacement housing elsewhere?				Χ

### No impact.

The Project would not remove any existing housing. No mitigation is required.

## 4.14.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

## 4.15 Public Services

## 4.15.1 Environmental Setting

#### 4.15.1.1 Fire Services

Facilities utilized by the Auberry Volunteer Fire Department are located near the northeast corner of the Project site, along Powerhouse Road. The Auberry Volunteer Fire Department entered into a Right of Entry permit with the State and will eventually enter into a lease with the State. This use will remain following the implementation of the Proposed Project.

CAL FIRE/Fresno County Station No. 73 (Hurley Station) is located at 25627 Auberry Road in Clovis, 29 miles southwest of the Project site. Hurley Station serves as a public safety answering point for fire and emergency medical services in Fresno County. Upon completion of the Proposed Project, the Project Site can serve as a staging area for CAL FIRE when necessary.

## 4.15.1.2 Police Services

The Fresno County Sherriff's Department provides police protection and law enforcement services for the town of Auberry, including the Project site. The County has a Sheriff Office located at 33155 Auberry Road, Auberry, CA 93602. The Fresno County Sherriff's Department Headquarters (located in Fresno, CA) provides dispatch, watch commander (shift oversight), administration, and records services for the town of Auberry.

#### 4.15.1.3 Schools

The SUSD serves K–12 students in Auberry and surrounding areas. The SUSD includes Foothill Elementary School, 3.4 miles southwest of the Project site and Sierra Junior/Senior High School 3.4 miles southeast of the Project site.

#### 4.15.1.4 Parks

On the southern boundary of the site along Auberry Road, is a small park that includes playground equipment. The fence is closed and locked; however, the park appears to be actively used by the community. This area is not part of the Project.

## 4.15.2 Public Services (XV) Environmental Checklist and Discussion

Wo	Would the Project:		Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				x
	Fire Protection?				х
	Police Protection?				Х

Would the Project:	Less than Significant Potentially with Less than Significant Mitigation Significant No Impact Incorporated Impact Impa
Schools?	х
Parks?	х
Other Public Facilities?	х

#### No impact.

#### 4.15.2.1 Fire Protection

The Proposed Project would not require additional fire protection within Auberry or the surrounding area, and consists of construction of a new CCC facility that will also serve as a staging area for CAL FIRE in the event of an emergency. Corpsmembers are trained to assist in fire suppression and vegetation management, which would enhance firefighting capabilities in the community of Auberry and surrounding areas. Construction of the Proposed Project would not impact fire service for the City of Auberry, and Aubrey Volunteer Fire Department operations would continue to operate at current capacity. No impact would occur.

#### 4.15.2.2 Police Services

The Proposed Project would not increase the need for police services within Fresno County's sheriff service area. Corpsmembers will operate on a daily schedule with little time to be unsupervised. No impact would occur.

### 4.15.2.3 Schools

The Proposed Project includes the construction of a new CCC facility and does not require an expansion of residential housing. The Proposed Project would not induce population growth and require an additional need for school facilities. Corpsmembers would attend classes onsite and would not impact local school facilities. No impact would occur, and no mitigation would be required.

#### 4.15.2.4 Parks

The Proposed Project does not require an expansion of residential housing and would not induce population growth. The Proposed Project would not displace an existing park and would not require the construction of additional park facilities. Recreational facilities would be provided on-site for Corpsmembers. No impact would occur, and no mitigation would be required.

#### 4.15.2.5 Other Public Facilities

The Proposed Project does not require an expansion of residential housing and would not induce population growth. The Proposed Project would not increase use of existing public facilities in the area because it would not promote population increase beyond those Corpsmembers who temporarily live onsite. Some permanent CCC facility employees may choose to relocate to Auberry and the surrounding area, but the total number of permanent facility personnel is expected to be 26 persons. No impact would occur, and no mitigation would be required.

## 4.15.3 Mitigation Measures

No significant impacts were identified. No mitigation measures are required.

#### 4.16 Recreation

## 4.16.1 Environmental Setting

The unincorporated community of Auberry abuts the Sierra National Forest, which sprawls in nearly all directions around Auberry, occupying 1.3 million acres. The Sierra National Forest offers many activities such as hiking, campgrounds, skiing, and swimming. The Redinger Campground is located in the Sierra National Forest, five miles northeast of the Proposed Project Site.

The San Joaquin River Gorge Special Recreation Management Area features the Ya-Gub-Weh-Tuh Trailhead and is located 3.6 miles west of the Project site.

A small park with playground equipment is located on the southern boundary of the Proposed Project Site along Auberry Road. The fence is closed and locked; however, the park appears to be actively used by the community. This area is not part of the Proposed Project.

# 4.16.2 Recreation (XVI) Materials Checklist

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			x	

# Less than significant.

The Proposed Project would not generate a substantial increase in the area population; therefore, it would not significantly increase the use of existing neighborhood or regional parks and recreational facilities. An approximately 5,077-sf multipurpose building will include a full-size basketball court and an outdoor shade structure with tables and benches where Corpsmembers can meet for social activities, games, physical training, and entertainment. The multipurpose building will also feature fitness weights and game

rooms. Additionally, the site has an existing dirt track that can be renovated and maintained by the Corpsmembers, depending on interest. Impacts would be less than significant. No mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?			X	

## Less than significant.

As stated above, the multipurpose room will have several recreational amenities and will not require the expansion of offsite facilities or other facilities that are not included in the Proposed Project. Therefore, the overall impact of the Proposed Project on recreational facilities is less than significant and will not require additional changes to the environment outside of the Project site. Therefore, no mitigation is required.

## 4.16.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

# 4.17 Transportation

The Initial Study Transportation Analysis is based on the *Transportation Impact Assessment* prepared by KD Anderson & Associates (Appendix G to this Draft IS/MND). The following summarizes results of the KD Anderson and Associates (KDA, 2020) traffic memorandum.

#### 4.17.1 Project/Traffic Characteristics

For the purpose of the traffic study, the characteristics of the project have been identified in terms of activities associated with construction and with regular operation, as well as the new improvements that will be constructed for circulation/access.

The Auberry Center will have 26 staff and up to 90 Corpsmembers who will reside onsite. Most staff members would travel to and from the site each day, but some remain onsite full-time in supervisory roles. Staff members are transported from the site to work sites during the week but are permitted to travel on weekends.

The Project will be constructed over a two-year period and would require 10 to 20 construction employees at various times. Typical construction equipment associated with the building trades would be transported to the site as needed, depending on the nature of construction occurring at the time. Construction could generate 20 to 40 daily vehicle trips, with most of that activity concentrated into the beginning and ending of the workday (as workers come and go from the Project site).

Additionally, traffic to and from the site would also occur on a regular basis when the project has been constructed and is in operation. The facility will have 26 staff, most of whom would travel primarily during peak commute hours. Corpsmembers residing onsite would not regularly travel during peak commute hours but would be transported offsite by van for assignments at sponsor work locations. The administration center building would be open to the public from 8:00 a.m. to 5:00 p.m. Monday thru Friday and is expected to see seven to 10 public visitors each day. On a typical weekday, the Proposed Project could generate approximately 90 daily trips (i.e., ½ inbound and ½ outbound), with perhaps 20 to 30 peak hour trips.

Throughout the year, crews from various California emergency response organizations use the CCC's service centers as a staging area. These activities would generate automobile and truck traffic at different times throughout the day as personnel and equipment are staged and dispatched. Site access has been designed to accommodate the turning requirements of trucks.

# 4.17.2 Environmental Setting

Today the CCC Central Region administers four service centers. The new Auberry Center will enable the CCC to reduce travel time and driving distance to reach sponsor work locations in the foothills. The objective of the Project is to replace an existing, abandoned school with a modern residential, training and operations facility.

The Auberry Center will be located on a 17.7-acre parcel at 33367 North Auberry Road in the Fresno County community of Auberry. The Proposed Project Site takes existing access near the intersection of North Auberry and Powerhouse Road at driveways previously used when the site was occupied by a school. These driveway locations will be reused and will be gated (see Figure 2-4).

#### Existing Roadway Network

The Project would be constructed on a site located on the west side of North Auberry Road roughly three miles north of its intersection with SR-168. SR-168 links the facility with the Fresno Metropolitan area to the west and continues easterly over the Sierras to an intersection on SR-395 in Mono County.

#### State Route 168

SR-168 is an important east-west route through Fresno, Mono and Inyo counties and links the Auberry Center with the statewide circulation system in Fresno. The SR-168 Transportation Concept Report indicates that SR-168 in the area of the Proposed Project is a two-lane conventional highway, which is also the ultimate concept. The speed limit on SR-168 is 55 miles per hour (mph) in the area of the Project east of North Auberry Road and 45 mph west of the North Auberry Road intersection.

Caltrans provides Annual Average Daily Traffic (AADT) counts for SR-168, and the most recent daily traffic volumes on SR-168 are 4,850 AADT west of the Morgan Canyon Road roundabout and 8,500 AADT east of that location toward the North Auberry Road intersection. Caltrans data indicates that trucks comprise 10 percent of the daily traffic on SR-168 in the study area.

The SR-168 Transportation Concept Report identifies the current operating LOS on the state highway based on roadway width, alignment and traffic volume. SR-168 operates at LOS C in the study area. The long-term concept for the roadway remains a two-lane highway, with a concept LOS of D.

### North Auberry Road

Auberry Road is a Fresno County roadway that extends from an intersection on Copper Avenue near Clovis northeasterly through the Sierra Nevada Foothills to the community of Auberry and on to its eventual termination on SR-168 east of the study area. A portion of Auberry Road follows SR-168 from Morgan Creek Road to the North Auburn Road intersection south of the Proposed Project Site. From that location, Auberry Road continues to the Powerhouse Road intersection by the Proposed Project Site before turning again to the east and its termination at another location on SR-168. In the area of the Proposed Project, North Auberry Road is a two-lane facility with paved shoulders of varying widths. A 35-mph speed limit exists in Auberry.

#### Powerhouse Road

Powerhouse Road is a rural Fresno County road that extends north from Auberry to an intersection on County Road 200 in Madera County. In the area of the Project, Powerhouse Road is a two-lane facility with paved shoulders of varying width.

Three existing intersections were included in this analysis.

## North Auberry Road / Powerhouse Road intersection

The Proposed Project abuts this acute angle intersection. Powerhouse Road approaches Auberry Road at a 30° angle; this leg is controlled by a stop sign. A stop-controlled bypass lane allows left turns from Powerhouse Road and southbound right turns from Auberry Road outside of the intersection, and there is a northbound left turn lane. Sight distance in each direction satisfies Highway Design Manual (HDM) minimum requirements for 35 mph design.

### SR-168 / North Auberry Road intersection

The Proposed Project's connection to SR-168 will occur at a "tee" intersection. Each approach is a single through lane, and a westbound left turn lane is on the state highway. The intersection is controlled by a stop sign on the North Auberry Road approach, and the corners of the intersection have been widened to accommodate the turning requirements of large trucks. There is a horizontal curve on SR-168 west of the intersection. The view looking east is unrestricted, and the available sight distance looking to the west is 400 feet within the state right-of-way and 600 feet looking across the inside of the curve. The minimum requirement for 45 mph (i.e., 360 feet) is satisfied in that direction.

## SR-168 / (Morgan Canyon Road) / Auberry Road intersection

This intersection in the business district of the rural community of Prather is controlled by a modern twolane roundabout recently installed by Caltrans to current design standards.

## Traffic Impact Analysis Methodology

Quantitative LOS analysis was performed for the study area intersections based on published information originally derived from the methodologies contained in the Highway Capacity Manual, 6th Edition (Transportation Research Board 2020). LOS analysis is used to identify the relative delay experienced by motorists. A grading scale of LOS A to LOS F is used to describe the quality of traffic flow, with LOS A representing uncongested operations and LOS F representing stop-and-go operation with appreciable congestion and delay. Synchro software was employed to assess stop sign controlled intersections, and the roundabout was assessed using Sidra.

### **Existing Traffic Operations**

Information regarding current traffic operations has been based on new weekday a.m./p.m. peak hour traffic counts collected on February 19, 2020. As noted in Table 4.17-1, all three intersections operate with LOS' that satisfy Fresno County's LOS D standard for rural areas. Neither unsignalized intersection carries volumes that reach the level satisfying Manual of Uniform Traffic Control Devices peak hour warrants for signalization.

**Existing Level of Service AM Peak Hour PM Peak Hour Traffic Signal Average Delay Average Delay** Control LOS LOS Warranted? Intersection (sec/vehicle) (sec/vehicle) North Auberry Road / Powerhouse SSS<sup>1</sup> 9 Α 9 Α No Road SSS North Auberry Road / SR-168 10 Α 12 В No SR-168 (Morgan Canyon Road) / Roundabout 5 Α 5 Α Not applicable Auberry Road

**Table 4.17-1. Existing Traffic Operating Conditions** 

### **Future Traffic Volumes**

Future daily traffic volumes on Study Area roads were identified from available sources, as noted in Table 4.17-2. The volume on SR-168 is projected to increase by 31 percent based on the Fresno Council of Governments (FCOG) model and 15 percent based on the information in the *SR-168 Transportation*Concept Report. The daily traffic volume on North Auberry Road may increase by 62 percent.

		•		Volume es/day)
\Road	Location	Current Count	SR-168 TCR (2035)	FCOG Regional Traffic Model
SR-168	Prather to North Auberry Road	8,500 <sup>1</sup>	9,800	11,175
North Auberry Rd	SR-168 to Powerhouse Road	2,925 <sup>2</sup>	-	4,725

Table 4.17-2. Future Daily Traffic Volumes

<sup>&</sup>lt;sup>1</sup> SSS is side street Stop control, and reported delay is for the "worst case" movement

<sup>&</sup>lt;sup>1</sup> Caltrans 2017

<sup>&</sup>lt;sup>2</sup> estimated from peak hour volumes

## 4.17.2.1 Regulatory Setting and Significance Criteria

#### Senate Bill 743

After June 2020, CEQA analysis of transportation impacts will need to address Vehicle Miles Traveled (VMT) in lieu of capacity-based LOS. At that time, LOS may still be evaluated in terms of consistency with adopted General Plan policies, but transportation impacts are to be described in terms of a project's effect on regional VMT. Various methods for estimating VMT are available and described in technical advisories to current CEQA guidelines. Many communities and counties are working to establish new tools for measuring VMT and to establish new significance criteria for CEQA evaluation. FCOG has taken the lead role in developing SB 743 regional guidelines, which can be adapted by local governments for their needs and purposes. Objectives of the FCOG program include:

- Develop screening criteria
- Recommend VMT threshold
- Recommend a metric and threshold for transportation projects
- Develop a VMT calculation tool that will be hosted on the FCOG website
- Identify VMT mitigation measures
- Recommend VMT threshold for plans

### California Department of Transportation

Caltrans has jurisdiction over SR-168 and the balance of the State highway system. According to the Caltrans' Guide for the Preparation of Traffic Impact Studies (Caltrans, 2002), Caltrans aims to maintain a target Level of Service (LOS) at the transition between C and D on State highway facilities. However, Caltrans acknowledges that this may not always be feasible and recommends that the Lead Agency consult with Caltrans to determine the appropriate target LOS. If an existing State highway facility is operating below the appropriate target LOS, the existing LOS should be maintained.

Caltrans' Transportation Concept Reports identify long-range improvements and establish the concept (desired) LOS for specific corridor segments. The reports identify long-range improvements needed to bring an existing facility up to expected standards needed to adequately serve 20-year traffic forecasts. Additionally, they identify the ultimate design concept for conditions beyond the immediate 20-year design period.

The Caltrans HDM provides guidance in the design of facilities on state highways. In this case, Chapter 4 identifies design requirements for intersections and turn lanes based on deceleration requirements and acceptable transitions from mainline highway alignment.

#### Fresno County

The Circulation Element of the Fresno County 2000 General Plan (Fresno County 2000) provides policy direction for the transportation systems that serve the unincorporated lands of Fresno County and

describes how the County intends to serve transportation needs for the next 20 years. The General Plan does prescribe a minimum standard of LOS D in rural areas.

Fresno County Regional Transportation Plan

The Fresno County 2018 Regional Transportation Plan (RTP) provides a coordinated, 20-year vision of the regionally significant transportation improvements and policies needed to efficiently move goods and people in the region. As the Regional Transportation Planning Agency, the FCOG is required by California law to adopt and submit an approved RTP to the California Transportation Commission every five years. Caltrans assists with plan preparation and reviews draft documents for compliance and consistency. The 2018 RTP noted a minimum of LOS D for SR-168.

## 4.17.3 Transportation (XVII) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?		x		

## Less than significant impact.

Vehicular traffic accompanying the construction or operation of the Proposed Project would represent a small incremental addition to the current traffic volumes on SR-168 and North Auberry Road. The amount of project traffic would be too small to appreciably alter current operations, and LOS study intersections would not exceed adopted minimum standards and would not conflict with a program, plan, ordinance, or policy addressing circulation systems.

Short-term traffic controls may be needed on North Auberry Road as the Proposed Project's improvements are constructed. Traffic controls may include traffic detours or lane closures, which may delay motorists for short periods of time. Construction traffic controls would be included in a traffic handling plan as part of the documents included in the encroachment permit granted by Fresno County for work in the public right-of-way. Because construction traffic controls would be temporary and managed under a plan approved by Caltrans, these short-term delays are not judged to be a significant impact with implementation of **TRA-1**.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?			x	

### Less than significant impact.

The Proposed Project will create new regular weekday VMT within the project area as staff members travel to and from the site, deliveries are made to Auberry CCC and Corpsmembers are transported to and from work sites. The VMT will depend on factors such as the location of staff residences, the source of deliveries and the location of work sites within the service area. It's anticipated that a share of the staff members will be new employees who could be expected to reside in the Auberry/Prather area, but others will be transferred from the existing Fresno satellite center and may commute to the site for some time.

California Office of Planning and Research (OPR) has established recommended screening criteria for determining whether the VMT impacts of a project are likely to be significant and whether additional quantification/analysis is warranted. The OPR suggests that projects generating fewer than 110 daily trips can be assumed to have a less than significant impact on regional VMT. As the Proposed Project's estimated daily trip generation would fall below that threshold, its impact would not be significant. Therefore, mitigation is not required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?		x		

#### Less than significant.

The onsite circulation pattern is adequate for the proposed use and the site plan provides separate pathways for pedestrian circulation. Short-term traffic controls may be needed on North Auberry Road as the Proposed Project's improvements are constructed. Implementation of **TRA-1** would ensure that a Traffic Management Plan is implemented. Because construction traffic controls would be temporary and managed under a plan approved by the County, these short-term delays are not judged to be a significant impact. With implementation of **TRA-1**, the Project would not introduce transportation hazards and related impacts are less than significant.

Would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d) Result in inadequate emergency access?			x	

#### Less than significant.

Access to the CCC facility will be provided from the east side of the Project site, where it connects to Auberry Road. One primary entry point and a separate exit point are proposed to ensure safe and straightforward circulation for Corpsmembers, staff, and visitors. The entrance is located near the center of the site. Secondary access will be provided by a new fire access (only) lane that will access the site from

Auberry Road at the southern end of the property and loop around the western boundary of on-site structures before connecting with the new warehouse and the internal driveway. Additionally, the Proposed Project will include an emergency staging area for when the camp is used for local emergency fire events. Therefore, impacts are less than significant, and no mitigation is required.

#### 4.17.4 Mitigation Measures

#### **TRA-1:** Construction Traffic Management Plan

Prior to commencing construction of the Proposed Project, a construction traffic control plan (Traffic Plan) shall be prepared by the Contractor, in coordination with DGS, California Department of Transportation, and Fresno County. The traffic plan shall be detailed and comprehensive to adequately mitigate potential conflicts between traffic and construction-related activities. The Traffic Plan will include, at a minimum, the following measures:

- A Contractor's work within the State's right of way is subject to general permit conditions of Caltrans' issued encroachment permit including implementing traffic controls, restricting work on holidays and weekends, and notifying the traffic management center daily.
- B. Adequate off-street worker parking shall be provided.
- C. A scheduling plan showing hours of operation to minimize congestion during peak hours and special events.
- D. Roadway disturbances shall be minimized during non-working hours; open trenches shall be covered with steel plates or by the use of temporary backfill during non-working hours. Steel traffic plates will only be allowed in areas of the State's right of way as permitted by Caltrans and shall meet the State's specifications and requirements.
- E. All paved surfaces disturbed during construction shall be repaved when work is complete.

#### 4.18 Tribal Cultural Resources

The following analysis of the potential environmental impacts related to Tribal Cultural Resources (TCRs) is derived primarily from the following sources and agencies:

- California NAHC Sacred Lands File Search, January 16, 2019;
- Cultural Resource Inventory and Evaluation Report for the Auberry Center California Conservation Corps Project (ECORP 2019), which included a records search with the California Historical Resource Information System; and
- Ethnographic overviews of the Foothill Yokuts by Gayton (1930, 1948), Kroeber (1925), Latta (1999), Spier (1978), and Wallace (1978).

#### 4.18.1 Environmental Setting

#### 4.18.1.1 Ethnographic, Religious, and Cultural Context

Ethnographically, the Project Area is in the southern portion of the territory occupied by the Penutianspeaking Foothill Yokuts. The territory of the Foothill Yokuts extended along the western foothills of the Sierra Nevada from the Kern River on the south and the Fresno River on the north. Unfortunately, the ethnography of the northern, or lower, San Joaquin Valley is poorly known, as the native inhabitants were for the most part gone by the time studies were undertaken. Disease, flight from missionization, and conflicts with the miners and settlers who suddenly entered the area in large numbers, reduced the native population to small, isolated remnants. Thus, the available information has been gleaned from historic accounts of early explorers, soldiers, hunters and trappers, and missionaries. Archaeology has added some information, but the record is by no means complete (Wallace 1978).

The Native American occupants of the San Joaquin Valley and adjoining Sierran foothills were hunters and gatherers who depended upon the seasonal procurement of locally abundant vegetal and faunal resources. As with their neighboring tribes, the Kechayi lived in permanently established villages during most of the year, usually between the months of October and May (Gayton 1930:365). During the rest of the year, the Kechayi would move across their territory, tracking seasonally available plant resources as well as game and fish. Their principal villages were situated along permanent stream courses, while temporary camp sites were scattered throughout their territory. Bedrock milling sites, the most visible vestige of Native American occupation, were located on rock boulders and outcrops above stream courses. The abundance of resources in the valley and adjoining foothills provided for a nearly sedentary life, with high population densities normally associated with agricultural peoples (Baumhoff and Olmstead 1963).

Numerous accounts of Valley Yokuts lifeways offer details of pre-European land use in the San Joaquin Valley. Additional information on pre-contact Yokuts subsistence and culture was reviewed from Gayton (1930, 1948), Kroeber (1925), Latta (1999), Spier (1978) and Wallace (1978).

The Spanish arrived on the coast in 1769, and by 1776, the Central Valley had been explored by José Canizares. From 1806 to 1808, the area was crossed by Gabriel Moraga, and in 1813, a major battle was fought between the Miwok to the north and the Spaniards near the mouth of the Cosumnes River. Though the Yokuts appear to have escaped being removed to missions by the Spanish, they were not spared the ravages of European-spread disease. In 1833, an epidemic—probably malaria—raged through the Sacramento and San Joaquin valleys, killing an estimated 75 percent of the native population. Not far to the north, when John Sutter erected his fort at the future site of Sacramento, he had no problem getting the few neighboring Nisenan survivors to settle nearby. The discovery of gold in 1848, near the Nisenan village of Colluma (also Coloma), drew thousands of miners into the area, and led to widespread killing and the near total destruction of traditional Nisenan and Yokuts cultures (Wilson and Towne 1978). By the latter part of the 1800s, the Yokuts had virtually ceased to exist (Kroeber 1976; Wallace 1978).

#### 4.18.2 Regulatory Setting

#### 4.18.2.1 Assembly Bill 52

Effective July 1, 2015, AB 52 amended CEQA to require that: 1) a lead agency provide notice to those California Native American tribes that requested notice of projects proposed by the lead agency; and 2) for any tribe that responded to the notice within 30 days of receipt with a request for consultation, the lead agency must consult with the tribe. Topics that may be addressed during consultation include TCRs,

the potential significance of project impacts, type of environmental document that should be prepared, and possible mitigation measures and project alternatives.

Pursuant to AB 52, Section 21073 of the PRC defines California Native American tribes as "a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of the Statutes of 2004." This includes both federally and non-federally recognized tribes.

Section 21074(a) of the PRC defines TCRs for the purpose of CEQA as:

- 1) Sites, features, places, cultural landscapes (geographically defined in terms of the size and scope), sacred places, and objects with cultural value to a California Native American tribe that are either of the following:
  - a. included or determined to be eligible for inclusion in the CRHR; and/or
  - b. included in a local register of historical resources as defined in subdivision (k) of Section 5020.1; and/or
  - c. a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.

Because criteria a and b also meet the definition of an Historical Resource under CEQA, a TCR may also require additional consideration as an Historical Resource. TCRs may or may not exhibit archaeological, cultural, or physical indicators.

Recognizing that California tribes are experts in their tribal cultural resources and heritage, AB 52 requires that CEQA lead agencies provide tribes that requested notification an opportunity to consult at the commencement of the CEQA process to identify TCRs. Furthermore, because a significant effect on a TCR is considered a significant impact on the environment under CEQA, consultation is used to develop appropriate avoidance, impact minimization, and mitigation measures.

#### Summary of Tribal Consultation

AB 52 consultation requirements went into effect on July 1, 2015, for all projects that have not already published a Notice of Intent to Adopt a Negative Declaration or Mitigated Negative Declaration or published a Notice of Preparation of an EIR (Section 11 [c]). The lead agency (CCC) is responsible for carrying out AB 52 consultation. At this time, CCC has not received any formal written requests from any tribes for AB 52 consultation on CCC projects.

On March 10, 2019, CCC determined that it had a complete Project description and they were ready to begin review under CEQA. Because no tribes sent General Request Letters, no notifications were mailed in accordance with PRC § 21080.3.1(d) o and no tribes were consulted.

#### Tribal Cultural Resources

In the absence of tribes wishing to consult, information about potential impacts to TCRs was drawn from:

1) the results of a search of the Sacred Lands File of the NAHC; 2) existing ethnographic information about pre-contact lifeways and settlement patterns; and 3) information on archaeological site records obtained from the CHRIS.

#### Sacred Lands File Search

A search of the NAHC Sacred Lands File was requested on January 16, 2019. The NAHC responded on January 25, 2019, that the Sacred Lands File search was positive. The NAHC included a list of suggested tribal representatives to contact who may have more information. The list included Big Sandy Rancheria of Western Modoc Indians, Cold Springs Rancheria, Dumna Wo-Wah Tribal Government, Dunlap Band of Mono Indians, Kings River Choinumni Farm Tribe, North Fork Mono Tribe, Santa Rosa Rancheria Tachi Yokut Tribe, and Table Mountain Rancheria.

On February 4, 2019, letters were sent to each representative listed for the tribes on the NAHC response letter. On April 2, 2019, one response was received from the Table Mountain Rancheria Tribal Government Office declining participation in any consultation but asking to be notified in the unlikely event that any resources were discovered.

#### **Ethnographic Information**

The ethnographic information reviewed for the Project, including ethnographic maps, does not identify any villages, occupational areas, or resource procurement locations in or around the current Project Area (Gayton 1930, 1948, Kroeber 1925, Latta 1999, Spier 1978 and Wallace 1978). Little Sandy Creek meanders along the western periphery of the Project Area. The Handbook of North American Indians (Spier 1978) lists the nearest Native American tribal territory as Kechayi of the Foothill Yokuts but does not list or depict any village or settlement locations. The Foothill Yokuts occupied the western slopes of the Sierra Nevada from the Fresno Rover southward to the Kern River. The Kechayi territory is located south of the town of Auberry.

#### CHRIS Records Search

A search of the CHRIS records for a 0.5-mile radius surrounding the Project Area revealed two previous cultural resources investigations included the area, and only very small portions along the western and northern peripheries of the Project Area have been previously surveyed for cultural resources. The previous studies identified eight pre-contact sites such as lithic scatters, bedrock mortars, and habitation sites within the 0.5-mile record search radius.

#### 4.18.2.2 Significance Criteria

AB 52 established that a substantial adverse change to a TCR has a significant effect on the environment. In assessing substantial adverse change, the CCC must determine whether or not the Project will adversely affect the qualities of the resource that convey its significance. The qualities are expressed through integrity. Integrity of a resource is evaluated with regard to the retention of location, design, setting, materials, workmanship, feeling, and association [CCR Title 14, § 4852(c)]. Impacts are significant if the

resource is demolished or destroyed or if the characteristics that made the resource eligible are materially impaired [CCR Title 14, §15064.5(a)]. Accordingly, impacts to a TCR would likely be significant if the Project negatively affects the qualities of integrity that made it significant in the first place. In making this determination, the CCC need only address the aspects of integrity that are important to the TCR's significance.

#### 4.18.3 Tribal Cultural Resources (XVIII) Environmental Checklist and Discussion

Wo	ould the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
	<ul> <li>i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or</li> </ul>		х		
	ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe.		x		

#### Less than significant with mitigation incorporated

The searches of the Sacred Lands File by the NAHC identified sacred lands within or immediately adjacent to the Project Area. The ethnographic record for the area indicates that known village sites and camps were located primarily along the major rivers and their tributaries to exploit water resources. Although no major rivers are within the Project Area, Little Sandy Creek is in close proximity. The CHRIS records search indicated eight pre-contact native American sites exist in the vicinity of the Project Area. Therefore, evidence suggests that there is a moderate potential for TCRs inside the Project Area.

No TCRs were identified within the Proposed Project Area and the Proposed Project would not cause a substantial adverse action to a known TCR. However, impacts to unknown TCRs that may be discovered

during Project construction is considered a potentially significant impact. Implementation of Mitigation Measure **TCR-1** would reduce this impact to less than significant.

#### 4.18.4 Mitigation Measures

- TCR-1: Implement Measures to Protect Unanticipated Tribal Cultural Resources Discoveries. If subsurface deposits believed to be cultural or human in origin are discovered during construction, all work must halt within 100 feet of the discovery. The construction foreman will notify culturally affiliated or consulting tribe(s), who will evaluate the significance of the find, and shall have the authority to modify the no-work radius as appropriate, using professional judgment. The following notifications shall apply, depending on the nature of the find:
  - If the culturally affiliated or consulting tribe(s) determines that the find does not represent a cultural resource, work may resume immediately, and no agency notifications are required.
  - If the culturally affiliated or consulting tribe(s) determines that the find does represent a tribal cultural resource from any time period or cultural affiliation, he or she shall immediately notify RESD, which shall consult on a finding of eligibility. If the find is determined to be a Tribal Cultural Resource under CEQA, as defined in PRC Section 21074(a) though (c) of the CEQA Guidelines, appropriate treatment measures will be implemented. Work may not resume within the no-work radius until RESD, through consultation as appropriate, determines that the site either: 1) is not a Tribal Cultural Resource under CEQA, as defined in PRC Section 21074(a) through (c) of the CEQA Guidelines; or 2) that the treatment measures have been completed to its satisfaction.
  - If the find includes human remains, or remains that are potentially human, he or she shall ensure reasonable protection measures are taken to protect the discovery from disturbance (Assembly Bill [AB] 2641). A professional archaeologist or physical/forensic anthropologist should be notified to assess the remains. If the remains are possibly human, they shall notify the Fresno County Coroner (per § 7050.5 of the Health and Safety Code). The provisions of § 7050.5 of the California Health and Safety Code, § 5097.98 of the California PRC, and AB 2641 will be implemented. If the Coroner determines the remains are Native American and not the result of a crime scene, the Coroner will notify the NAHC, which then will designate a Native American Most Likely Descendant (MLD) for the Project (§ 5097.98 of the PRC). The designated MLD will have 48 hours from the time access to the property is granted to make recommendations concerning treatment of the remains. If the landowner does not agree with the recommendations of the MLD, the NAHC can mediate (§ 5097.94 of the PRC). If no agreement is reached, RESD must rebury the remains where they will not be further disturbed (§ 5097.98 of the PRC). This will also include either recording the site with the NAHC or the appropriate Information Center; using an open space or conservation zoning designation or easement; or recording a reinternment document with the county in which the property is located (AB 2641). Work may not resume within the no-work radius until RESD, through

consultation as appropriate, determines that the treatment measures have been completed to its satisfaction.

## 4.19 Utilities and Service Systems

#### 4.19.1 Environmental Setting

#### 4.19.1.1 Water Service

Water supply and delivery is one of the most critical issues for Fresno County and is essential to the environment, economy, and quality of life within the County. Readily available groundwater and the development of facilities for the storage and conveyance of surface water have allowed Fresno County to grow and prosper as one of the state's premier agricultural regions. Fresno County's agriculture and its many dependent businesses are sustained by an affordable and reliable water supply made possible through conjunctive use of groundwater and stored surface water. In addition, the ready availability of high-quality groundwater allows most residents, municipalities, and industries within Fresno County to meet their water supply needs without expensive delivery and treatment infrastructure (Fresno County General Plan Update 2000).

The Proposed Project site is not in proximity of a public water system and it appears infeasible to extend service to the Proposed Project site. Four wells are currently located on the site. Representatives from SUSD stated that only two of these (Well #2 and Well #4) are used, and that their pumps were replaced in 2015. Well #2 pumps approximately 60 gpm and Well #4 produces approximately 40 gpm for a combined capacity of 100 gpm. Wells #1 and #3 do not have pumps. This water is then pumped to a 45,000-gallon water tank adjacent to the fire station. From there, the domestic water runs to a hydro-pneumatic storage tank and booster pump. Water for fire suppression is supplied on a separate line directly from the water tank. This water tank is shared with the adjacent fire department, which fills its fire engine tank prior to fire calls. The Project will replace the existing/aging water tank with a new 240,000-gallon tank. Using Table H201.1(2) of the 2016 Plumbing Code, a building of this type can be expected to generate 100 gallons of water demand per person per day. The low impact design of the buildings with high efficiency appliances will likely reduce water demands. Therefore, the estimate of 75 gallons of sewage per person per day was used for the basis of this report. For a maximum of 90 Corpsmembers and 26 staff, the water system would need to provide 8,700 gallons of water per day or 60,900 per week.

#### 4.19.1.2 Wastewater and Septic

The Proposed Project site is not served by a sewer district, and both the Project site and surrounding area are served by septic systems. The Project site has multiple septic systems which are still maintained and are not used by the local fire department. The septic system has been utilized a few times per year to maintain it since the school was closed.

Wastewater for the Proposed Project site will be disposed of via a leach field. A well-designed leach field has a lifespan of approximately 30 years. There are several existing leach fields on the property. Leach field #1 was installed around 1970 with the auxiliary restroom. The size and date of installation of leach field #2 is unknown. Leach field #3 is smaller and serves the eastern classroom building.

#### 4.19.1.3 Solid Waste

The County of Fresno operates two disposal facilities for area residents. The American Avenue Disposal Site is the county's regional landfill located near the city of San Joaquin. This facility is able to accept all types of solid waste and recycling. In addition, the County of Fresno's Regional Household Hazardous Waste Facility is located here to drop off various chemicals and substances for safe disposal. The Shaver Lake Transfer Station is operated in partnership with the County of Fresno, Granite Solid Waste, and the US Forest Service.

Ponderosa Solid Waste provides garbage collection for the Auberry (and surrounding) area.

#### 4.19.1.4 Electricity

Electric service would be provided by PG&E.

#### 4.19.1.5 Internet and Cable TV

A high-speed data infrastructure will be provided throughout the site to support data and voice communications needs. The new underground service to the site will be routed to a new main point of entry in the administration or multipurpose building. Telecom/data cabling to each building will be extended via underground conduit from the MPOE/MDF room to a data closet in each building. In addition to fixed wiring systems, wireless access points will be provided within each building to support the business and educational needs of the facility. Cable TV service will be provided to the site via underground conduits routed to the MPOE/MDF room. Cable TV service will be distributed to the dormitories, education buildings, administration building, recreation building and multipurpose building via underground conduits.

#### 4.19.2 Regulatory Setting

#### 4.19.2.1 Water

The following Goals, Policies, and Programs are from Fresno County's General Plan 2000 Update:

- Policy PF-C.3 To reduce demand on the county's groundwater resources, the County shall encourage the use of surface water to the maximum extent feasible.
- Policy PF-C.4 The County shall support efforts to expand groundwater and/or surface water storage that benefits Fresno County.
- Policy PF-C.12 The County shall approve new development only if an adequate sustainable water supply to serve such development is demonstrated.
- Policy PF-C.25 The County shall require that all new development within the County use water conservation technologies, methods, and practices as established by the County.
- Policy PF-C.26 The County shall encourage the use of reclaimed water where economically, environmentally, and technically feasible.

- Policy PF-C.27 The County shall adopt, and recommend to all cities that they also adopt, the most cost-effective urban best water conservation management practices circulated and updated by the California Urban Water Agencies, California Department of Water Resources, or other appropriate agencies.
- Program PF-C.B The County shall adopt a well construction and destruction ordinance that will include among other requirements the mapping of location information on abandoned wells in the County GIS database and which includes a procedure for ensuring that abandoned wells are properly destroyed.

#### 4.19.3 Utilities and Service Systems (XIX) Environmental Checklist and Discussion

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			x	

#### Less than significant.

#### Water

Existing wells will supply the Project site with water, as described in *Section 4.19.1.1 Water Service*. Since the site is not in proximity of a public water system, future site due diligence will include consulting with a qualified professional engineer to conduct an analysis of the groundwater supply. The groundwater analysis will include a well performance (capacity) test of the two existing wells, well efficiency test, water quality test, and an analysis of required water treatment to comply with required standards of the Safe Drinking Water Act, water rights, geohydrological impacts and the potential for migration of known pollution within the ground water/aquifer. A water budget analysis will be prepared by the engineer based on the well test results accounting for site fire demand, building fire demand, domestic water demand and irrigation water demand in order to determine applicable pump, storage and design components. Given that the school that previously operated on the site, utilized groundwater for domestic and irrigation demand, and that the Proposed Project is anticipated to have similar or lower water demand than the historic use, it is anticipated that the existing well system will be sufficient to serve the Project and will not require relocation or construction of new or expanded water system.

#### Wastewater

The existing leach fields would be destroyed, and a new one will be constructed. Existing septic tanks would be removed and replaced with a new septic tank to serve the facility.

#### **New Septic System**

The changing demands of the Project site created by the Proposed Project warrant changes to the septic system. Therefore, the project proposes to abandon and remove all existing leach fields and septic tanks and construct new ones. A new approximately 5,000-gallon septic tank will be installed. Existing septic tanks will be removed and disposed of. The following points will be considered when implementing the sanitary sewer design:

- Offsite Sanitary Sewer System Requirements: Comply with local agency requirements.
- Storm Drainage System: Do not connect sanitary sewer systems to storm drain systems.
- Sewer Pipe Location: Sanitary sewer pipes shall be horizontally located to provide minimum separation requirements with domestic water facilities in accordance with the current edition of the State Health Code and local agency requirements. The alignment of the sanitary sewer system shall facilitate maintenance of the system. Do not locate piping and appurtenances where excavation of the pipe would damage adjacent structures. Locate sewer mains a minimum of 10 feet outside of new buildings and outside of fill zones of structures.
- Manholes: Provide manholes at junctions, changes in direction, change in slope, and change in invert elevations of sewers eight inches and above. Clean-outs are allowed on sewer lines less than eight inches. Manhole spacing shall not exceed 300 feet.
- Pipe Flow: Pipe capacity shall be designed in accordance with local agency requirements.
- Sanitary Sewer Sizes: Sanitary sewer mains shall be sized to meet the projected flows and local agency requirements. For preliminary cost opinions, laterals were assumed to be four inches in diameter and main lines were assumed to be eight inches in diameter.
- Cleanouts: Cleanouts must be installed on all sewer building connections.
- Slopes: Sanitary sewer slopes shall provide a minimum velocity of 2.0 feet/second at full flow. The maximum pipe velocity shall be 9 feet/second.
- Hydraulic Calculations: Engineer shall provide hydraulic calculations of sanitary sewer system.
- Septic Tank Location: The septic tank shall be located 50 feet from water supply well and 50 feet from streams.
- Leaching Field: The disposal field shall be located 100 feet from water supply wells and 100 feet from streams.

According to maps provided by the California Soil Resource Lab, the predominant soil in the area is Visalia Sandy Loam. This is a sandy clay composed of approximately 70 percent sand, 15 percent clay and well drained. Based on this information, an estimate of 40 sf of leaching area per 100 gallons was used. The maximum absorption capacity was assumed to be 2.5 gallons per sf of leaching area per day. In order to treat the effluent stream, a leaching area of 3,600 sf will be necessary. The leach field will be located on the southern portion of the Project site.

#### Stormwater

Storm drainage infrastructure would be sized to accommodate the new facility, which would have similar drainage impacts as the existing school.

Electric Power, Natural Gas, and Telecommunications

Electric and telecommunications facilities are already present at the Project site and will not require substantial construction or relocation. Natural gas will be provided by propane tanks, similar to how the school was served.

The Proposed Project would not result in the construction or relocation of new utilities infrastructure having significant environmental effects. Additionally, no new offsite infrastructure will be required for any of the utility service systems. A less than significant impact would occur. No mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?			x	

#### Less than significant.

See answer to a) and Section 4.10.2 Hydrology and Water Quality answer to question b). A less than significant impact would occur, and no mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			x	

#### Less than significant.

Wastewater will be disposed of via a newly constructed septic tank and leach field onsite. The facilities would be designed to accommodate the wastewater generation associated with the project. A less than significant impact would occur, and no mitigation is required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			x	

#### Less than significant.

Construction activities associated with the Project are not expected to generate substantial amounts of solid waste. The minimal amount of solid waste generated would not exceed the capacity of local infrastructure/landfills and would not impair the attainment of solid waste reduction goals. Project operations, which consist of environmental projects and natural disaster response, would not generate significant onsite waste. Related impacts are less than significant. No mitigation would be required.

Wo	uld the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
e)	Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?			x	

### Less than significant impact.

The California Integrated Waste Management (CIWM) Act requires every county to adopt an integrated waste management plan that describes county objectives, policies, and programs relative to waste disposal, management, sources reduction, and recycling. Fresno County Department of Public Works and Planning requires a Construction and Demolition Waste Management plan that is consistent with the CIWM Act. The disposal of solid waste due to construction activities and subsequent Project operations will comply with all federal, state, and local statues and regulations. Impacts to solid waste statues and regulations will be less than significant. No mitigation would be required.

#### 4.19.4 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

#### 4.20 Wildfire

#### 4.20.1 Environmental Setting

Generally, California fire season extends from spring to late fall. Fire conditions arise from a combination of hot weather, an accumulation of vegetation, and low moisture content in the air. These conditions, when combined with high winds and years of drought, increase the potential for wildfire to occur. CAL FIRE provides wildland fire protection services on private, non-federal lands for the purpose of life,

property and resource protection. U.S. Forest Service (USFS) and BLM provide wildland fire protection services on federal lands in Federal Responsibility Areas for watershed and resource protection. Some areas are also identified as Local Responsibility Areas.

Upon completion, the Project will serve as a staging area for CAL FIRE emergency response units and will be utilized during a major local or state fire or other emergency event in addition to the daily CCC uses described in the Project Description.

#### 4.20.2 Wildfire (XX) Environmental Checklist and Discussion

land	ocated in or near state responsibility areas or ds classified as very high fire hazard severity es, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Substantially impair an adopted emergency response plan or emergency evacuation plan?			x	

#### Less than significant impact.

The Project is located in a other-moderate/moderate Fire Hazard Severity Zone in both Local and State Responsibility Area and is 2,700 feet west of the nearest Very High Fire Hazard Severity Zone according to the Draft Fire Hazard Severity Zones in SRA map published by CAL FIRE in 2007. The Very High Fire Hazard Severity Zone nearby is part of the Sierra National Forest, which is managed by several state and federal entities, including the USFS, BLM, and CAL FIRE.

Construction of the Proposed Project will not impair or conflict with an adopted emergency response or evacuation plan for areas in High Fire Hazard Severity Zones. There would be a less than significant impact. While there would be no impact, it's worth noting the facility would house 90 Corpsmembers trained and equipped to respond to both natural and manmade disasters (including fire) which should aid emergency evacuation plans.

land	ccated in or near state responsibility areas or ds classified as very high fire hazard severity es, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				x

#### No impact.

See above discussion. The Proposed Project will renovate a dilapidated abandoned school for CCC use and CAL FIRE emergency staging. Additionally, the project will bring CCC members to the area hat are trained to respond to wildfire threats. The new facility has been also been designed to provide a staging

area during major fire events. Therefore, the Project will not exacerbate wildfire risks within the immediate vicinity or surrounding areas. No impact will occur, and no mitigation is required.

land	ocated in or near state responsibility areas or ds classified as very high fire hazard severity es, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
c)	Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?			x	

#### No impact.

See above discussion. Additionally, as described in the Project Description, remodeled building exteriors will be finished with smooth plaster or stucco and new asphalt shingle roofs will be installed. The new warehouse building will be constructed with steel framing, insulated walls, and smooth stucco finish and a metal deck covered with wood sheathing and asphalt shingles roof system. Landscaping is not part of the Proposed Project, but drought-tolerant, fire resistant landscaping will be undertaken by CCC as an internal project once the Proposed Project is complete. Therefore, the Project will have a less than significant impact and no mitigation is required.

land	cated in or near state responsibility areas or ds classified as very high fire hazard severity es, would the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
d)	Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				X

#### No impact.

See above discussion. Project construction will consist of renovation of dilapidated yet stable pre-existing construction as well as the construction of two new buildings. Additionally, the Project will not increase landslide or flooding risk. No impact will occur. No mitigation would be required.

#### 4.20.3 Mitigation Measures

No significant impacts were identified, and no mitigation measures are required.

## 4.21 Mandatory Findings of Significance

# 4.21.1 Mandatory Findings of Significance (XXI) Environmental Checklist and Discussion

Doe	es the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a)	Have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?		X		

#### Less than Significant with Mitigation Incorporated.

As described in *Section 4.4 Biological Resources* of this document, biological resources on the site that could be affected by the Proposed Project include special-status plants and wildlife resources. Mitigation Measures **BIO-1** through **BIO-5** would be implemented to ensure all potential impacts to sensitive species and their habitats are mitigated to less than significant levels.

As indicated in *Section 4.5, Cultural Resources* and *4.18 Tribal Cultural Resources*, the Project is expected to avoid direct impacts to known cultural and tribal resources. Furthermore, implementation of Mitigation Measure **CUL-1** and **TRC-1** will ensure potential impacts to unknown cultural and tribal resources are reduced to less than significant levels. Should any cultural or tribal cultural resources or human remains be encountered during construction, all construction activities would be halted, and a professional archeologist consulted. Similarly, implementation of Mitigation Measure **GEO-1** would ensure potential impact to unknown paleontological resources are mitigated to less than significant.

Doe	es the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
b)	Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?		x		

#### Less than Significant with Mitigation Incorporated.

With implementation of the mitigation measures listed above, all impacts were found to be less than significant (including air quality, greenhouse gas, and traffic). The Project site was previously used as an elementary school and will have a similar use with the CCC taking on educational classes, environmental projects, and natural disaster response. Additionally, there will be minimal offsite impacts due to the nature of Project operations as defined in the Project Description. Therefore, cumulative impacts would be reduced to less than significant with mitigation incorporated.

Doe	es the Project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact	
c)	Have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly?		x			

#### Less than Significant.

Potential impacts to human beings include increases in ambient noise and increases in air emissions including PM (dust) during construction and Project operations. These impacts were found to be temporary and less than significant with implementation of **AQ-1 and AQ-2**. Implementation of the Project's Mitigation Monitoring and Reporting Program will ensure compliance with related measures and would minimize impacts to the greatest extent feasible.

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# SECTION 1.0 LIST OF APPENDICES

Appendix A – Air Quality and Greenhouse Gas Emissions Model Data Output, ECORP Consulting, Inc. April 2020.

Appendix B – Biological Resources Assessment, ECORP Consulting, Inc. 2018.

Appendix C – Cultural Resources Report (CONFIDENTIAL), ECORP Consulting, Inc. 2019.

Appendix D – Geotechnical Investigation, GEOCON Consultants, Inc. April 2020.

Appendix E – Phase 1 Environmental Site Assessment Report, GEOCON Consultants. January 2019.

Appendix F – SoundPLAN Noise Modeling, ECORP Consulting, Inc. April 2020.

Appendix G – Transportation Impact Assessment, KD Anderson & Associates, Inc. March 2020.

Appendix H – Construction-Related and Operational Gasoline Usage, ECORP Consulting, Inc. April 2020.

# APPENDIX A

Air Quality and Greenhouse Gas Emissions Model Data Output, ECORP Consulting, Inc. April 2020.

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# Auberry- Construction Fresno County, Annual

# 1.0 Project Characteristics

# 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Unrefrigerated Warehouse-No Rail	12.34	1000sqft	0.28	12,335.00	0
Other Asphalt Surfaces	5.00	1000sqft	0.11	5,000.00	0
Other Asphalt Surfaces	12.34	1000sqft	0.28	12,335.00	0
Other Non-Asphalt Surfaces	7.50	1000sqft	0.17	7,500.00	0
Other Non-Asphalt Surfaces	45.00	1000sqft	1.03	45,000.00	0
Single Family Housing	1.00	Dwelling Unit	0.32	841.00	3

### 1.2 Other Project Characteristics

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)45Climate Zone3Operational Year2022

Utility Company Pacific Gas & Electric Company

 CO2 Intensity
 641.35
 CH4 Intensity
 0.029
 N20 Intensity
 0.006

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

#### 1.3 User Entered Comments & Non-Default Data

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#### Auberry- Construction - Fresno County, Annual

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Project Characteristics -

Land Use - Lot acreage updated to match that of the nex COMET building.

Construction Phase - construction, paving and coating assumed to occur at the same time. Construction timing is accounting for remodeling existing buildings as well.

Off-road Equipment -

Off-road Equipment - Equipment updated to match the project description

Off-road Equipment - Equipment list updated to match the project description

Off-road Equipment -

Construction Off-road Equipment Mitigation - Mitigation per the air district

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	5.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final

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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
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tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstEquipMitigation	Tier	No Change	Tier 4 Final
tblConstructionPhase	NumDays	10.00	500.00
tblConstructionPhase	NumDays	220.00	500.00
tblConstructionPhase	NumDays	10.00	500.00
tblConstructionPhase	NumDays	3.00	20.00
tblGrading	AcresOfGrading	30.00	4.50
tblLandUse	LandUseSquareFeet	12,340.00	12,335.00
tblLandUse	LandUseSquareFeet	12,340.00	12,335.00
tblLandUse	LandUseSquareFeet	1,800.00	841.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblTripsAndVMT	WorkerTripNumber	15.00	13.00

# 2.0 Emissions Summary

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# 2.1 Overall Construction <u>Unmitigated Construction</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr MT/yr															
2022	0.4191	3.2413	3.5258	6.3400e- 003	0.0925	0.1555	0.2480	0.0344	0.1465	0.1809	0.0000	546.5423	546.5423	0.1254	0.0000	549.6780
2023	0.4999	3.7200	4.5174	8.0500e- 003	0.0692	0.1727	0.2420	0.0187	0.1629	0.1815	0.0000	693.0366	693.0366	0.1531	0.0000	696.8635
2024	0.0857	0.6327	0.8120	1.4500e- 003	0.0125	0.0278	0.0403	3.3800e- 003	0.0262	0.0296	0.0000	124.9130	124.9130	0.0275	0.0000	125.6006
Maximum	0.4999	3.7200	4.5174	8.0500e- 003	0.0925	0.1727	0.2480	0.0344	0.1629	0.1815	0.0000	693.0366	693.0366	0.1531	0.0000	696.8635

# **Mitigated Construction**

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr									MT/yr						
2022	0.1350	0.6911	3.7994	6.3400e- 003	0.0680	8.9800e- 003	0.0770	0.0220	8.9500e- 003	0.0310	0.0000	546.5417	546.5417	0.1254	0.0000	549.6774
2023	0.1723	0.8627	4.8756	8.0500e- 003	0.0692	0.0110	0.0803	0.0187	0.0110	0.0297	0.0000	693.0359	693.0359	0.1531	0.0000	696.8628
2024	0.0308	0.1555	0.8790	1.4500e- 003	0.0125	1.9900e- 003	0.0145	3.3800e- 003	1.9900e- 003	5.3600e- 003	0.0000	124.9129	124.9129	0.0275	0.0000	125.6004
Maximum	0.1723	0.8627	4.8756	8.0500e- 003	0.0692	0.0110	0.0803	0.0220	0.0110	0.0310	0.0000	693.0359	693.0359	0.1531	0.0000	696.8628

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	66.34	77.49	-7.89	0.00	14.05	93.82	67.62	21.92	93.46	83.16	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
8	1-3-2022	4-2-2022	0.2214	0.0201
9	4-3-2022	7-2-2022	1.1392	0.2639
10	7-3-2022	10-2-2022	1.1594	0.2737
11	10-3-2022	1-2-2023	1.1579	0.2740
12	1-3-2023	4-2-2023	1.0439	0.2565
13	4-3-2023	7-2-2023	1.0553	0.2590
14	7-3-2023	10-2-2023	1.0669	0.2619
15	10-3-2023	1-2-2024	1.0658	0.2622
16	1-3-2024	4-2-2024	0.6882	0.1788
		Highest	1.1594	0.2740

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# 2.2 Overall Operational Unmitigated Operational

	ROG	NOx	СО	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					ton	s/yr					MT/yr						
Area	0.0671	4.7000e- 004	8.3500e- 003	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.4468	0.4468	2.0000e- 005	1.0000e- 005	0.4498	
Energy	1.3400e- 003	0.0121	9.7000e- 003	7.0000e- 005		9.3000e- 004	9.3000e- 004		9.3000e- 004	9.3000e- 004	0.0000	49.5398	49.5398	1.8900e- 003	5.8000e- 004	49.7609	
Mobile	0.0107	0.1323	0.1041	5.7000e- 004	0.0338	4.8000e- 004	0.0343	9.1100e- 003	4.5000e- 004	9.5700e- 003	0.0000	53.5646	53.5646	5.1900e- 003	0.0000	53.6943	
Waste		,	1 1 1			0.0000	0.0000		0.0000	0.0000	2.5739	0.0000	2.5739	0.1521	0.0000	6.3768	
Water		; ! ! !	1 1 1			0.0000	0.0000		0.0000	0.0000	0.9260	4.6363	5.5623	0.0953	2.2900e- 003	8.6274	
Total	0.0791	0.1449	0.1222	6.4000e- 004	0.0338	1.4800e- 003	0.0353	9.1100e- 003	1.4500e- 003	0.0106	3.4999	108.1875	111.6875	0.2545	2.8800e- 003	118.9091	

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2.2 Overall Operational

# **Mitigated Operational**

	ROG	NOx	СО	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					ton	s/yr					MT/yr						
Area	0.0671	4.7000e- 004	8.3500e- 003	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.4468	0.4468	2.0000e- 005	1.0000e- 005	0.4498	
Energy	1.3400e- 003	0.0121	9.7000e- 003	7.0000e- 005		9.3000e- 004	9.3000e- 004		9.3000e- 004	9.3000e- 004	0.0000	49.5398	49.5398	1.8900e- 003	5.8000e- 004	49.7609	
Mobile	0.0107	0.1323	0.1041	5.7000e- 004	0.0338	4.8000e- 004	0.0343	9.1100e- 003	4.5000e- 004	9.5700e- 003	0.0000	53.5646	53.5646	5.1900e- 003	0.0000	53.6943	
Waste	ii ii		1			0.0000	0.0000		0.0000	0.0000	2.5739	0.0000	2.5739	0.1521	0.0000	6.3768	
Water		;	1 1 1			0.0000	0.0000		0.0000	0.0000	0.9260	4.6363	5.5623	0.0953	2.2900e- 003	8.6274	
Total	0.0791	0.1449	0.1222	6.4000e- 004	0.0338	1.4800e- 003	0.0353	9.1100e- 003	1.4500e- 003	0.0106	3.4999	108.1875	111.6875	0.2545	2.8800e- 003	118.9091	

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2022	3/28/2022	5	20	
2	Grading	Grading	3/29/2022	4/5/2022	5	6	
3	Building Construction	Building Construction	4/6/2022	3/5/2024	5	500	
4	Paving	Paving	4/6/2022	3/5/2024	5	500	
5	Architectural Coating	Architectural Coating	4/6/2022	3/5/2024	5	500	

Acres of Grading (Site Preparation Phase): 4.5

Acres of Grading (Grading Phase): 3

Acres of Paving: 1.59

Residential Indoor: 1,703; Residential Outdoor: 568; Non-Residential Indoor: 18,503; Non-Residential Outdoor: 6,168; Striped Parking Area: 4,190 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Excavators	1	7.00	158	0.38
Building Construction	Forklifts	3	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Rollers	1	8.00	80	0.38
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
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	3	8.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	35.00	14.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

# **3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment Water Exposed Area

# 3.2 Site Preparation - 2022

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Fugitive Dust	ii ii ii				2.3900e- 003	0.0000	2.3900e- 003	2.6000e- 004	0.0000	2.6000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0138	0.1567	0.1006	2.5000e- 004		5.9500e- 003	5.9500e- 003		5.4800e- 003	5.4800e- 003	0.0000	21.5471	21.5471	6.9700e- 003	0.0000	21.7213
Total	0.0138	0.1567	0.1006	2.5000e- 004	2.3900e- 003	5.9500e- 003	8.3400e- 003	2.6000e- 004	5.4800e- 003	5.7400e- 003	0.0000	21.5471	21.5471	6.9700e- 003	0.0000	21.7213

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3.2 Site Preparation - 2022

<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	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					ton	s/yr							МТ	/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
I Worker	3.0000e- 004	1.7000e- 004	1.8400e- 003	1.0000e- 005	6.4000e- 004	0.0000	6.4000e- 004	1.7000e- 004	0.0000	1.7000e- 004	0.0000	0.5154	0.5154	1.0000e- 005	0.0000	0.5157
Total	3.0000e- 004	1.7000e- 004	1.8400e- 003	1.0000e- 005	6.4000e- 004	0.0000	6.4000e- 004	1.7000e- 004	0.0000	1.7000e- 004	0.0000	0.5154	0.5154	1.0000e- 005	0.0000	0.5157

	ROG	NOx	СО	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					ton	s/yr							МТ	/yr		
Fugitive Dust					9.3000e- 004	0.0000	9.3000e- 004	1.0000e- 004	0.0000	1.0000e- 004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0100e- 003	0.0130	0.1186	2.5000e- 004	       	4.0000e- 004	4.0000e- 004	       	4.0000e- 004	4.0000e- 004	0.0000	21.5470	21.5470	6.9700e- 003	0.0000	21.7213
Total	3.0100e- 003	0.0130	0.1186	2.5000e- 004	9.3000e- 004	4.0000e- 004	1.3300e- 003	1.0000e- 004	4.0000e- 004	5.0000e- 004	0.0000	21.5470	21.5470	6.9700e- 003	0.0000	21.7213

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3.2 Site Preparation - 2022

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					ton	s/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	1.7000e- 004	1.8400e- 003	1.0000e- 005	6.4000e- 004	0.0000	6.4000e- 004	1.7000e- 004	0.0000	1.7000e- 004	0.0000	0.5154	0.5154	1.0000e- 005	0.0000	0.5157
Total	3.0000e- 004	1.7000e- 004	1.8400e- 003	1.0000e- 005	6.4000e- 004	0.0000	6.4000e- 004	1.7000e- 004	0.0000	1.7000e- 004	0.0000	0.5154	0.5154	1.0000e- 005	0.0000	0.5157

# 3.3 Grading - 2022

	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0377	0.0000	0.0377	0.0200	0.0000	0.0200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	7.1300e- 003	0.0773	0.0384	9.0000e- 005		3.4800e- 003	3.4800e- 003		3.2000e- 003	3.2000e- 003	0.0000	7.6816	7.6816	2.4800e- 003	0.0000	7.7438
Total	7.1300e- 003	0.0773	0.0384	9.0000e- 005	0.0377	3.4800e- 003	0.0412	0.0200	3.2000e- 003	0.0232	0.0000	7.6816	7.6816	2.4800e- 003	0.0000	7.7438

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3.3 Grading - 2022

<u>Unmitigated Construction Off-Site</u>

	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					ton	s/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	1.4000e- 004	8.0000e- 005	9.0000e- 004	0.0000	3.1000e- 004	0.0000	3.1000e- 004	8.0000e- 005	0.0000	8.0000e- 005	0.0000	0.2513	0.2513	1.0000e- 005	0.0000	0.2514
Total	1.4000e- 004	8.0000e- 005	9.0000e- 004	0.0000	3.1000e- 004	0.0000	3.1000e- 004	8.0000e- 005	0.0000	8.0000e- 005	0.0000	0.2513	0.2513	1.0000e- 005	0.0000	0.2514

	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					ton	s/yr							MT	/yr		
Fugitive Dust					0.0147	0.0000	0.0147	7.8100e- 003	0.0000	7.8100e- 003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0700e- 003	4.6400e- 003	0.0442	9.0000e- 005		1.4000e- 004	1.4000e- 004	i i	1.4000e- 004	1.4000e- 004	0.0000	7.6816	7.6816	2.4800e- 003	0.0000	7.7437
Total	1.0700e- 003	4.6400e- 003	0.0442	9.0000e- 005	0.0147	1.4000e- 004	0.0149	7.8100e- 003	1.4000e- 004	7.9500e- 003	0.0000	7.6816	7.6816	2.4800e- 003	0.0000	7.7437

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3.3 Grading - 2022

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					ton	s/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	1.4000e- 004	8.0000e- 005	9.0000e- 004	0.0000	3.1000e- 004	0.0000	3.1000e- 004	8.0000e- 005	0.0000	8.0000e- 005	0.0000	0.2513	0.2513	1.0000e- 005	0.0000	0.2514
Total	1.4000e- 004	8.0000e- 005	9.0000e- 004	0.0000	3.1000e- 004	0.0000	3.1000e- 004	8.0000e- 005	0.0000	8.0000e- 005	0.0000	0.2513	0.2513	1.0000e- 005	0.0000	0.2514

# 3.4 Building Construction - 2022

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
	0.2218	1.8150	1.9369	3.2300e- 003		0.0905	0.0905	 	0.0859	0.0859	0.0000	272.2970	272.2970	0.0619	0.0000	273.8449
Total	0.2218	1.8150	1.9369	3.2300e- 003		0.0905	0.0905		0.0859	0.0859	0.0000	272.2970	272.2970	0.0619	0.0000	273.8449

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# 3.4 Building Construction - 2022 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					ton	s/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
1	3.8000e- 003	0.1441	0.0215	3.8000e- 004	8.9500e- 003	3.5000e- 004	9.3000e- 003	2.5900e- 003	3.4000e- 004	2.9200e- 003	0.0000	35.7469	35.7469	4.2200e- 003	0.0000	35.8525
Worker	0.0125	7.3500e- 003	0.0777	2.4000e- 004	0.0270	1.6000e- 004	0.0272	7.1800e- 003	1.5000e- 004	7.3300e- 003	0.0000	21.7587	21.7587	5.0000e- 004	0.0000	21.7711
Total	0.0163	0.1514	0.0991	6.2000e- 004	0.0360	5.1000e- 004	0.0365	9.7700e- 003	4.9000e- 004	0.0103	0.0000	57.5056	57.5056	4.7200e- 003	0.0000	57.6236

	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					ton	s/yr							MT	/yr		
Off-Road	0.0419	0.4171	2.0616	3.2300e- 003		4.7400e- 003	4.7400e- 003		4.7400e- 003	4.7400e- 003	0.0000	272.2967	272.2967	0.0619	0.0000	273.8445
Total	0.0419	0.4171	2.0616	3.2300e- 003		4.7400e- 003	4.7400e- 003		4.7400e- 003	4.7400e- 003	0.0000	272.2967	272.2967	0.0619	0.0000	273.8445

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#### Auberry- Construction - Fresno County, Annual

# 3.4 Building Construction - 2022 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					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.8000e- 003	0.1441	0.0215	3.8000e- 004	8.9500e- 003	3.5000e- 004	9.3000e- 003	2.5900e- 003	3.4000e- 004	2.9200e- 003	0.0000	35.7469	35.7469	4.2200e- 003	0.0000	35.8525
Worker	0.0125	7.3500e- 003	0.0777	2.4000e- 004	0.0270	1.6000e- 004	0.0272	7.1800e- 003	1.5000e- 004	7.3300e- 003	0.0000	21.7587	21.7587	5.0000e- 004	0.0000	21.7711
Total	0.0163	0.1514	0.0991	6.2000e- 004	0.0360	5.1000e- 004	0.0365	9.7700e- 003	4.9000e- 004	0.0103	0.0000	57.5056	57.5056	4.7200e- 003	0.0000	57.6236

# 3.4 Building Construction - 2023

	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					ton	s/yr							MT	/yr		
Off-Road	0.2759	2.2657	2.5895	4.3600e- 003		0.1067	0.1067		0.1012	0.1012	0.0000	366.8633	366.8633	0.0824	0.0000	368.9230
Total	0.2759	2.2657	2.5895	4.3600e- 003		0.1067	0.1067		0.1012	0.1012	0.0000	366.8633	366.8633	0.0824	0.0000	368.9230

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# 3.4 Building Construction - 2023 <u>Unmitigated Construction Off-Site</u>

	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					ton	s/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
1	3.5100e- 003	0.1517	0.0235	4.9000e- 004	0.0121	1.5000e- 004	0.0122	3.4800e- 003	1.4000e- 004	3.6200e- 003	0.0000	46.9799	46.9799	3.8500e- 003	0.0000	47.0762
Worker	0.0157	8.8600e- 003	0.0955	3.1000e- 004	0.0364	2.1000e- 004	0.0366	9.6700e- 003	2.0000e- 004	9.8700e- 003	0.0000	28.2131	28.2131	6.0000e- 004	0.0000	28.2280
Total	0.0192	0.1605	0.1190	8.0000e- 004	0.0484	3.6000e- 004	0.0488	0.0132	3.4000e- 004	0.0135	0.0000	75.1930	75.1930	4.4500e- 003	0.0000	75.3042

	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					ton	s/yr							MT	/yr		
Off-Road	0.0564	0.5619	2.7773	4.3600e- 003		6.3800e- 003	6.3800e- 003		6.3800e- 003	6.3800e- 003	0.0000	366.8629	366.8629	0.0824	0.0000	368.9225
Total	0.0564	0.5619	2.7773	4.3600e- 003		6.3800e- 003	6.3800e- 003		6.3800e- 003	6.3800e- 003	0.0000	366.8629	366.8629	0.0824	0.0000	368.9225

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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					ton	s/yr							МТ	/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
1	3.5100e- 003	0.1517	0.0235	4.9000e- 004	0.0121	1.5000e- 004	0.0122	3.4800e- 003	1.4000e- 004	3.6200e- 003	0.0000	46.9799	46.9799	3.8500e- 003	0.0000	47.0762
Worker	0.0157	8.8600e- 003	0.0955	3.1000e- 004	0.0364	2.1000e- 004	0.0366	9.6700e- 003	2.0000e- 004	9.8700e- 003	0.0000	28.2131	28.2131	6.0000e- 004	0.0000	28.2280
Total	0.0192	0.1605	0.1190	8.0000e- 004	0.0484	3.6000e- 004	0.0488	0.0132	3.4000e- 004	0.0135	0.0000	75.1930	75.1930	4.4500e- 003	0.0000	75.3042

# 3.4 Building Construction - 2024

	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					ton	s/yr							MT	/yr		
	0.0466	0.3842	0.4654	7.9000e- 004		0.0170	0.0170		0.0161	0.0161	0.0000	66.3242	66.3242	0.0148	0.0000	66.6931
Total	0.0466	0.3842	0.4654	7.9000e- 004		0.0170	0.0170		0.0161	0.0161	0.0000	66.3242	66.3242	0.0148	0.0000	66.6931

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# 3.4 Building Construction - 2024 Unmitigated Construction Off-Site

	ROG	NOx	СО	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					ton	s/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
1	6.2000e- 004	0.0272	4.0300e- 003	9.0000e- 005	2.1800e- 003	3.0000e- 005	2.2100e- 003	6.3000e- 004	2.0000e- 005	6.5000e- 004	0.0000	8.4279	8.4279	7.0000e- 004	0.0000	8.4454
1	2.6500e- 003	1.4400e- 003	0.0159	5.0000e- 005	6.5800e- 003	4.0000e- 005	6.6100e- 003	1.7500e- 003	3.0000e- 005	1.7800e- 003	0.0000	4.9008	4.9008	1.0000e- 004	0.0000	4.9032
Total	3.2700e- 003	0.0287	0.0199	1.4000e- 004	8.7600e- 003	7.0000e- 005	8.8200e- 003	2.3800e- 003	5.0000e- 005	2.4300e- 003	0.0000	13.3287	13.3287	8.0000e- 004	0.0000	13.3487

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Off-Road	0.0102	0.1016	0.5021	7.9000e- 004		1.1500e- 003	1.1500e- 003		1.1500e- 003	1.1500e- 003	0.0000	66.3241	66.3241	0.0148	0.0000	66.6930
Total	0.0102	0.1016	0.5021	7.9000e- 004		1.1500e- 003	1.1500e- 003		1.1500e- 003	1.1500e- 003	0.0000	66.3241	66.3241	0.0148	0.0000	66.6930

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3.4 Building Construction - 2024 Mitigated Construction Off-Site

	ROG	NOx	СО	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					ton	s/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	6.2000e- 004	0.0272	4.0300e- 003	9.0000e- 005	2.1800e- 003	3.0000e- 005	2.2100e- 003	6.3000e- 004	2.0000e- 005	6.5000e- 004	0.0000	8.4279	8.4279	7.0000e- 004	0.0000	8.4454
Worker	2.6500e- 003	1.4400e- 003	0.0159	5.0000e- 005	6.5800e- 003	4.0000e- 005	6.6100e- 003	1.7500e- 003	3.0000e- 005	1.7800e- 003	0.0000	4.9008	4.9008	1.0000e- 004	0.0000	4.9032
Total	3.2700e- 003	0.0287	0.0199	1.4000e- 004	8.7600e- 003	7.0000e- 005	8.8200e- 003	2.3800e- 003	5.0000e- 005	2.4300e- 003	0.0000	13.3287	13.3287	8.0000e- 004	0.0000	13.3487

# 3.5 Paving - 2022

	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					ton	s/yr							MT	/yr		
Off-Road	0.0908	0.9006	1.1288	1.7200e- 003		0.0471	0.0471		0.0434	0.0434	0.0000	149.6719	149.6719	0.0474	0.0000	150.8578
Paving	2.0000e- 004					0.0000	0.0000	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0910	0.9006	1.1288	1.7200e- 003		0.0471	0.0471		0.0434	0.0434	0.0000	149.6719	149.6719	0.0474	0.0000	150.8578

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3.5 Paving - 2022

<u>Unmitigated Construction Off-Site</u>

	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					ton	s/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	4.6500e- 003	2.7300e- 003	0.0288	9.0000e- 005	0.0100	6.0000e- 005	0.0101	2.6700e- 003	6.0000e- 005	2.7200e- 003	0.0000	8.0818	8.0818	1.8000e- 004	0.0000	8.0864
Total	4.6500e- 003	2.7300e- 003	0.0288	9.0000e- 005	0.0100	6.0000e- 005	0.0101	2.6700e- 003	6.0000e- 005	2.7200e- 003	0.0000	8.0818	8.0818	1.8000e- 004	0.0000	8.0864

	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					ton	s/yr							MT	/yr		
Off-Road	0.0203	0.0880	1.2520	1.7200e- 003		2.7100e- 003	2.7100e- 003		2.7100e- 003	2.7100e- 003	0.0000	149.6717	149.6717	0.0474	0.0000	150.8576
Paving	2.0000e- 004	 		     	 	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0205	0.0880	1.2520	1.7200e- 003		2.7100e- 003	2.7100e- 003		2.7100e- 003	2.7100e- 003	0.0000	149.6717	149.6717	0.0474	0.0000	150.8576

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# Auberry- Construction - Fresno County, Annual

3.5 Paving - 2022 <u>Mitigated Construction Off-Site</u>

	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					ton	s/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	4.6500e- 003	2.7300e- 003	0.0288	9.0000e- 005	0.0100	6.0000e- 005	0.0101	2.6700e- 003	6.0000e- 005	2.7200e- 003	0.0000	8.0818	8.0818	1.8000e- 004	0.0000	8.0864
Total	4.6500e- 003	2.7300e- 003	0.0288	9.0000e- 005	0.0100	6.0000e- 005	0.0101	2.6700e- 003	6.0000e- 005	2.7200e- 003	0.0000	8.0818	8.0818	1.8000e- 004	0.0000	8.0864

# 3.5 Paving - 2023

	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					ton	s/yr							MT	/yr		
Off-Road	0.1144	1.1193	1.5189	2.3200e- 003		0.0564	0.0564		0.0520	0.0520	0.0000	201.6663	201.6663	0.0639	0.0000	203.2642
Paving	2.7000e- 004					0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1147	1.1193	1.5189	2.3200e- 003		0.0564	0.0564		0.0520	0.0520	0.0000	201.6663	201.6663	0.0639	0.0000	203.2642

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# Auberry- Construction - Fresno County, Annual

3.5 Paving - 2023
<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	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					ton	s/yr							МТ	/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	5.8300e- 003	3.2900e- 003	0.0355	1.2000e- 004	0.0135	8.0000e- 005	0.0136	3.5900e- 003	7.0000e- 005	3.6600e- 003	0.0000	10.4791	10.4791	2.2000e- 004	0.0000	10.4847
Total	5.8300e- 003	3.2900e- 003	0.0355	1.2000e- 004	0.0135	8.0000e- 005	0.0136	3.5900e- 003	7.0000e- 005	3.6600e- 003	0.0000	10.4791	10.4791	2.2000e- 004	0.0000	10.4847

	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					ton	s/yr							MT	/yr		
Off-Road	0.0274	0.1185	1.6866	2.3200e- 003		3.6500e- 003	3.6500e- 003		3.6500e- 003	3.6500e- 003	0.0000	201.6661	201.6661	0.0639	0.0000	203.2639
Paving	2.7000e- 004	 	       	i		0.0000	0.0000	! ! !	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0276	0.1185	1.6866	2.3200e- 003		3.6500e- 003	3.6500e- 003		3.6500e- 003	3.6500e- 003	0.0000	201.6661	201.6661	0.0639	0.0000	203.2639

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# Auberry- Construction - Fresno County, Annual

3.5 Paving - 2023

<u>Mitigated Construction Off-Site</u>

	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					ton	s/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	5.8300e- 003	3.2900e- 003	0.0355	1.2000e- 004	0.0135	8.0000e- 005	0.0136	3.5900e- 003	7.0000e- 005	3.6600e- 003	0.0000	10.4791	10.4791	2.2000e- 004	0.0000	10.4847
Total	5.8300e- 003	3.2900e- 003	0.0355	1.2000e- 004	0.0135	8.0000e- 005	0.0136	3.5900e- 003	7.0000e- 005	3.6600e- 003	0.0000	10.4791	10.4791	2.2000e- 004	0.0000	10.4847

# 3.5 Paving - 2024

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Off-Road	0.0198	0.1904	0.2751	4.2000e- 004		9.3000e- 003	9.3000e- 003		8.5800e- 003	8.5800e- 003	0.0000	36.4595	36.4595	0.0116	0.0000	36.7484
Paving	5.0000e- 005		 	1		0.0000	0.0000	1 1 1 1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0199	0.1904	0.2751	4.2000e- 004		9.3000e- 003	9.3000e- 003		8.5800e- 003	8.5800e- 003	0.0000	36.4595	36.4595	0.0116	0.0000	36.7484

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3.5 Paving - 2024

<u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	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					ton	s/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	9.9000e- 004	5.3000e- 004	5.9000e- 003	2.0000e- 005	2.4400e- 003	1.0000e- 005	2.4600e- 003	6.5000e- 004	1.0000e- 005	6.6000e- 004	0.0000	1.8203	1.8203	4.0000e- 005	0.0000	1.8212
Total	9.9000e- 004	5.3000e- 004	5.9000e- 003	2.0000e- 005	2.4400e- 003	1.0000e- 005	2.4600e- 003	6.5000e- 004	1.0000e- 005	6.6000e- 004	0.0000	1.8203	1.8203	4.0000e- 005	0.0000	1.8212

	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					ton	s/yr							MT	/yr		
Off-Road	4.9400e- 003	0.0214	0.3049	4.2000e- 004		6.6000e- 004	6.6000e- 004		6.6000e- 004	6.6000e- 004	0.0000	36.4595	36.4595	0.0116	0.0000	36.7484
Paving	5.0000e- 005			i i		0.0000	0.0000	1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.9900e- 003	0.0214	0.3049	4.2000e- 004		6.6000e- 004	6.6000e- 004		6.6000e- 004	6.6000e- 004	0.0000	36.4595	36.4595	0.0116	0.0000	36.7484

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3.5 Paving - 2024

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					ton	s/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	9.9000e- 004	5.3000e- 004	5.9000e- 003	2.0000e- 005	2.4400e- 003	1.0000e- 005	2.4600e- 003	6.5000e- 004	1.0000e- 005	6.6000e- 004	0.0000	1.8203	1.8203	4.0000e- 005	0.0000	1.8212
Total	9.9000e- 004	5.3000e- 004	5.9000e- 003	2.0000e- 005	2.4400e- 003	1.0000e- 005	2.4600e- 003	6.5000e- 004	1.0000e- 005	6.6000e- 004	0.0000	1.8203	1.8203	4.0000e- 005	0.0000	1.8212

# 3.6 Architectural Coating - 2022

	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					ton	s/yr							MT	/yr		
Archit. Coating	0.0418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0197	0.1359	0.1750	2.9000e- 004		7.8900e- 003	7.8900e- 003	1	7.8900e- 003	7.8900e- 003	0.0000	24.6389	24.6389	1.6000e- 003	0.0000	24.6790
Total	0.0615	0.1359	0.1750	2.9000e- 004		7.8900e- 003	7.8900e- 003		7.8900e- 003	7.8900e- 003	0.0000	24.6389	24.6389	1.6000e- 003	0.0000	24.6790

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# 3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	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					ton	s/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	2.5000e- 003	1.4700e- 003	0.0155	5.0000e- 005	5.4000e- 003	3.0000e- 005	5.4300e- 003	1.4400e- 003	3.0000e- 005	1.4700e- 003	0.0000	4.3517	4.3517	1.0000e- 004	0.0000	4.3542
Total	2.5000e- 003	1.4700e- 003	0.0155	5.0000e- 005	5.4000e- 003	3.0000e- 005	5.4300e- 003	1.4400e- 003	3.0000e- 005	1.4700e- 003	0.0000	4.3517	4.3517	1.0000e- 004	0.0000	4.3542

	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					ton	s/yr							MT	/yr		
Archit. Coating	0.0418					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.8700e- 003	0.0124	0.1768	2.9000e- 004		3.8000e- 004	3.8000e- 004	1	3.8000e- 004	3.8000e- 004	0.0000	24.6389	24.6389	1.6000e- 003	0.0000	24.6790
Total	0.0446	0.0124	0.1768	2.9000e- 004		3.8000e- 004	3.8000e- 004		3.8000e- 004	3.8000e- 004	0.0000	24.6389	24.6389	1.6000e- 003	0.0000	24.6790

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3.6 Architectural Coating - 2022 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					ton	s/yr							МТ	/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
1	2.5000e- 003	1.4700e- 003	0.0155	5.0000e- 005	5.4000e- 003	3.0000e- 005	5.4300e- 003	1.4400e- 003	3.0000e- 005	1.4700e- 003	0.0000	4.3517	4.3517	1.0000e- 004	0.0000	4.3542
Total	2.5000e- 003	1.4700e- 003	0.0155	5.0000e- 005	5.4000e- 003	3.0000e- 005	5.4300e- 003	1.4400e- 003	3.0000e- 005	1.4700e- 003	0.0000	4.3517	4.3517	1.0000e- 004	0.0000	4.3542

# 3.6 Architectural Coating - 2023 <u>Unmitigated Construction On-Site</u>

Fugitive PM10 Fugitive PM2.5 ROG NOx СО SO2 Exhaust PM10 Exhaust PM2.5 Total Bio- CO2 NBio- CO2 Total CO2 CH4 N20 CO2e PM10 PM2.5 Total MT/yr Category tons/yr 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 Archit. Coating 0.0563 0.0000 Off-Road 0.0249 0.1694 0.2355 3.9000e-9.2100e-9.2100e-9.2100e-9.2100e-33.1923 33.1923 1.9900e-0.0000 33.2419 003 003 003 0.0000 33.2419 0.0812 0.1694 0.2355 3.9000e-9.2100e-9.2100e-9.2100e-9.2100e-33.1923 33.1923 1.9900e-0.0000 Total 004 003 003 003 003 003

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# 3.6 Architectural Coating - 2023 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	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					ton	s/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	3.1400e- 003	1.7700e- 003	0.0191	6.0000e- 005	7.2800e- 003	4.0000e- 005	7.3200e- 003	1.9300e- 003	4.0000e- 005	1.9700e- 003	0.0000	5.6426	5.6426	1.2000e- 004	0.0000	5.6456
Total	3.1400e- 003	1.7700e- 003	0.0191	6.0000e- 005	7.2800e- 003	4.0000e- 005	7.3200e- 003	1.9300e- 003	4.0000e- 005	1.9700e- 003	0.0000	5.6426	5.6426	1.2000e- 004	0.0000	5.6456

	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					ton	s/yr							MT	/yr		
Archit. Coating	0.0563					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.8600e- 003	0.0167	0.2382	3.9000e- 004		5.2000e- 004	5.2000e- 004	1	5.2000e- 004	5.2000e- 004	0.0000	33.1923	33.1923	1.9900e- 003	0.0000	33.2419
Total	0.0601	0.0167	0.2382	3.9000e- 004		5.2000e- 004	5.2000e- 004		5.2000e- 004	5.2000e- 004	0.0000	33.1923	33.1923	1.9900e- 003	0.0000	33.2419

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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					ton	s/yr							МТ	/уг		
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
' '	3.1400e- 003	1.7700e- 003	0.0191	6.0000e- 005	7.2800e- 003	4.0000e- 005	7.3200e- 003	1.9300e- 003	4.0000e- 005	1.9700e- 003	0.0000	5.6426	5.6426	1.2000e- 004	0.0000	5.6456
Total	3.1400e- 003	1.7700e- 003	0.0191	6.0000e- 005	7.2800e- 003	4.0000e- 005	7.3200e- 003	1.9300e- 003	4.0000e- 005	1.9700e- 003	0.0000	5.6426	5.6426	1.2000e- 004	0.0000	5.6456

# 3.6 Architectural Coating - 2024 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Archit. Coating	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2500e- 003	0.0286	0.0425	7.0000e- 005	 	1.4300e- 003	1.4300e- 003	       	1.4300e- 003	1.4300e- 003	0.0000	6.0002	6.0002	3.4000e- 004	0.0000	6.0086
Total	0.0144	0.0286	0.0425	7.0000e- 005		1.4300e- 003	1.4300e- 003		1.4300e- 003	1.4300e- 003	0.0000	6.0002	6.0002	3.4000e- 004	0.0000	6.0086

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# 3.6 Architectural Coating - 2024 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					ton	s/yr							МТ	/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	5.3000e- 004	2.9000e- 004	3.1800e- 003	1.0000e- 005	1.3200e- 003	1.0000e- 005	1.3200e- 003	3.5000e- 004	1.0000e- 005	3.6000e- 004	0.0000	0.9802	0.9802	2.0000e- 005	0.0000	0.9806
Total	5.3000e- 004	2.9000e- 004	3.1800e- 003	1.0000e- 005	1.3200e- 003	1.0000e- 005	1.3200e- 003	3.5000e- 004	1.0000e- 005	3.6000e- 004	0.0000	0.9802	0.9802	2.0000e- 005	0.0000	0.9806

	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					ton	s/yr							MT	/yr		
Archit. Coating	0.0102					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.0000e- 004	3.0300e- 003	0.0431	7.0000e- 005		9.0000e- 005	9.0000e- 005		9.0000e- 005	9.0000e- 005	0.0000	6.0001	6.0001	3.4000e- 004	0.0000	6.0086
Total	0.0109	3.0300e- 003	0.0431	7.0000e- 005		9.0000e- 005	9.0000e- 005		9.0000e- 005	9.0000e- 005	0.0000	6.0001	6.0001	3.4000e- 004	0.0000	6.0086

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3.6 Architectural Coating - 2024 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					ton	s/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	5.3000e- 004	2.9000e- 004	3.1800e- 003	1.0000e- 005	1.3200e- 003	1.0000e- 005	1.3200e- 003	3.5000e- 004	1.0000e- 005	3.6000e- 004	0.0000	0.9802	0.9802	2.0000e- 005	0.0000	0.9806
Total	5.3000e- 004	2.9000e- 004	3.1800e- 003	1.0000e- 005	1.3200e- 003	1.0000e- 005	1.3200e- 003	3.5000e- 004	1.0000e- 005	3.6000e- 004	0.0000	0.9802	0.9802	2.0000e- 005	0.0000	0.9806

# 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					ton	s/yr							MT	/yr		
Mitigated	0.0107	0.1323	0.1041	5.7000e- 004	0.0338	4.8000e- 004	0.0343	9.1100e- 003	4.5000e- 004	9.5700e- 003	0.0000	53.5646	53.5646	5.1900e- 003	0.0000	53.6943
Unmitigated	0.0107	0.1323	0.1041	5.7000e- 004	0.0338	4.8000e- 004	0.0343	9.1100e- 003	4.5000e- 004	9.5700e- 003	0.0000	53.5646	53.5646	5.1900e- 003	0.0000	53.6943

# **4.2 Trip Summary Information**

	Ave	rage Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	9.52	9.91	8.62	27,677	27,677
Unrefrigerated Warehouse-No Rail	20.73	20.73	20.73	60,525	60,525
Total	30.25	30.64	29.35	88,202	88,202

# 4.3 Trip Type Information

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		Miles			Trip %			Trip Purpos	e %
Land Use	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
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Other Non-Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Other Non-Asphalt Surfaces	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Single Family Housing	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Unrefrigerated Warehouse-No Rail	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594

# 5.0 Energy Detail

Historical Energy Use: N

# **5.1 Mitigation Measures Energy**

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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		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	36.2436	36.2436	1.6400e- 003	3.4000e- 004	36.3856
Electricity Unmitigated						0.0000	0.0000	       	0.0000	0.0000	0.0000	36.2436	36.2436	1.6400e- 003	3.4000e- 004	36.3856
NaturalGas Mitigated	1.3400e- 003	0.0121	9.7000e- 003	7.0000e- 005		9.3000e- 004	9.3000e- 004	       	9.3000e- 004	9.3000e- 004	0.0000	13.2962	13.2962	2.5000e- 004	2.4000e- 004	13.3753
NaturalGas Unmitigated	1.3400e- 003	0.0121	9.7000e- 003	7.0000e- 005		9.3000e- 004	9.3000e- 004	,	9.3000e- 004	9.3000e- 004	0.0000	13.2962	13.2962	2.5000e- 004	2.4000e- 004	13.3753

# 5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	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												MT	/yr				
Other Asphalt Surfaces	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
Other Non- Asphalt Surfaces	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
Single Family Housing	26145.2	1.4000e- 004	1.2000e- 003	5.1000e- 004	1.0000e- 005		1.0000e- 004	1.0000e- 004		1.0000e- 004	1.0000e- 004	0.0000	1.3952	1.3952	3.0000e- 005	3.0000e- 005	1.4035
Unrefrigerated Warehouse-No Rail	223017	1.2000e- 003	0.0109	9.1800e- 003	7.0000e- 005		8.3000e- 004	8.3000e- 004		8.3000e- 004	8.3000e- 004	0.0000	11.9010	11.9010	2.3000e- 004	2.2000e- 004	11.9718
Total		1.3400e- 003	0.0121	9.6900e- 003	8.0000e- 005		9.3000e- 004	9.3000e- 004		9.3000e- 004	9.3000e- 004	0.0000	13.2962	13.2962	2.6000e- 004	2.5000e- 004	13.3753

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# **5.2 Energy by Land Use - NaturalGas Mitigated**

	NaturalGa s 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												MT	/yr				
Other Asphalt Surfaces	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
Other Non- Asphalt Surfaces	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
Single Family Housing	26145.2	1.4000e- 004	1.2000e- 003	5.1000e- 004	1.0000e- 005		1.0000e- 004	1.0000e- 004		1.0000e- 004	1.0000e- 004	0.0000	1.3952	1.3952	3.0000e- 005	3.0000e- 005	1.4035
Unrefrigerated Warehouse-No Rail	223017	1.2000e- 003	0.0109	9.1800e- 003	7.0000e- 005		8.3000e- 004	8.3000e- 004		8.3000e- 004	8.3000e- 004	0.0000	11.9010	11.9010	2.3000e- 004	2.2000e- 004	11.9718
Total		1.3400e- 003	0.0121	9.6900e- 003	8.0000e- 005		9.3000e- 004	9.3000e- 004		9.3000e- 004	9.3000e- 004	0.0000	13.2962	13.2962	2.6000e- 004	2.5000e- 004	13.3753

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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	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non- Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8760.74	2.5486	1.2000e- 004	2.0000e- 005	2.5586
Unrefrigerated Warehouse-No Rail	115826	33.6950	1.5200e- 003	3.2000e- 004	33.8270
Total		36.2436	1.6400e- 003	3.4000e- 004	36.3856

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5.3 Energy by Land Use - Electricity Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr		МТ	-/yr	
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Other Non- Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8760.74	2.5486	1.2000e- 004	2.0000e- 005	2.5586
Unrefrigerated Warehouse-No Rail	115826	33.6950	1.5200e- 003	3.2000e- 004	33.8270
Total		36.2436	1.6400e- 003	3.4000e- 004	36.3856

# 6.0 Area Detail

# **6.1 Mitigation Measures Area**

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	ROG	NOx	СО	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	ry tons/yr											МТ	/yr			
Mitigated	0.0671	4.7000e- 004	8.3500e- 003	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.4468	0.4468	2.0000e- 005	1.0000e- 005	0.4498
Unmitigated	0.0671	4.7000e- 004	8.3500e- 003	0.0000		7.0000e- 005	7.0000e- 005	r	7.0000e- 005	7.0000e- 005	0.0000	0.4468	0.4468	2.0000e- 005	1.0000e- 005	0.4498

# 6.2 Area by SubCategory

# <u>Unmitigated</u>

	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	0.0108					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0560	     				0.0000	0.0000	       	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.0000e- 005	3.7000e- 004	1.6000e- 004	0.0000		3.0000e- 005	3.0000e- 005		3.0000e- 005	3.0000e- 005	0.0000	0.4332	0.4332	1.0000e- 005	1.0000e- 005	0.4358
Landscaping	2.9000e- 004	9.0000e- 005	8.1900e- 003	0.0000	 	4.0000e- 005	4.0000e- 005		4.0000e- 005	4.0000e- 005	0.0000	0.0136	0.0136	2.0000e- 005	0.0000	0.0140
Total	0.0671	4.6000e- 004	8.3500e- 003	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.4468	0.4468	3.0000e- 005	1.0000e- 005	0.4498

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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	0.0108			 		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0560	 	     	 		0.0000	0.0000	     	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	4.0000e- 005	3.7000e- 004	1.6000e- 004	0.0000		3.0000e- 005	3.0000e- 005	     	3.0000e- 005	3.0000e- 005	0.0000	0.4332	0.4332	1.0000e- 005	1.0000e- 005	0.4358
Landscaping	2.9000e- 004	9.0000e- 005	8.1900e- 003	0.0000		4.0000e- 005	4.0000e- 005		4.0000e- 005	4.0000e- 005	0.0000	0.0136	0.0136	2.0000e- 005	0.0000	0.0140
Total	0.0671	4.6000e- 004	8.3500e- 003	0.0000		7.0000e- 005	7.0000e- 005		7.0000e- 005	7.0000e- 005	0.0000	0.4468	0.4468	3.0000e- 005	1.0000e- 005	0.4498

# 7.0 Water Detail

# 7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category		МТ	√yr	
ga.ca	5.5623	0.0953	2.2900e- 003	8.6274
Unmitigated	5.5623	0.0953	2.2900e- 003	8.6274

# 7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	-/yr	
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Other Non- Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
- 3 ,	0.065154 / 0.0410754		2.1300e- 003	5.0000e- 005	0.2336
Unrefrigerated Warehouse-No Rail	2.85363 / 0	5.3973	0.0932	2.2400e- 003	8.3938
Total		5.5623	0.0953	2.2900e- 003	8.6274

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7.2 Water by Land Use Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	√yr	
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Other Non- Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.065154 / 0.0410754		2.1300e- 003	5.0000e- 005	0.2336
Unrefrigerated Warehouse-No Rail	2.85363 / 0	5.3973	0.0932	2.2400e- 003	8.3938
Total		5.5623	0.0953	2.2900e- 003	8.6274

# 8.0 Waste Detail

# **8.1 Mitigation Measures Waste**

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# Category/Year

	Total CO2	CH4	N2O	CO2e			
	MT/yr						
gatea	2.5739	0.1521	0.0000	6.3768			
Unmitigated	2.5739	0.1521	0.0000	6.3768			

# 8.2 Waste by Land Use <u>Unmitigated</u>

	Waste Disposed	Total CO2	CH4	N2O	CO2e	
Land Use	tons	MT/yr				
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	
Other Non- Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	
Single Family Housing	1.08	0.2192	0.0130	0.0000	0.5431	
Unrefrigerated Warehouse-No Rail	11.6	2.3547	0.1392	0.0000	5.8337	
Total		2.5739	0.1521	0.0000	6.3768	

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# 8.2 Waste by Land Use

#### **Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e	
Land Use	tons	MT/yr				
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	
Other Non- Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000	
Single Family Housing	1.08	0.2192	0.0130	0.0000	0.5431	
Unrefrigerated Warehouse-No Rail	11.6	2.3547	0.1392	0.0000	5.8337	
Total		2.5739	0.1521	0.0000	6.3768	

# 9.0 Operational Offroad

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

# **10.0 Stationary Equipment**

#### **Fire Pumps and Emergency Generators**

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

#### **Boilers**

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

#### **User Defined Equipment**

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Equipment Type	Number

## 11.0 Vegetation

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#### Auberry- Operations - Fresno County, Annual

# **Auberry- Operations Fresno County, Annual**

## 1.0 Project Characteristics

## 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	3.88	1000sqft	2.50	3,882.00	0
General Office Building	5.08	1000sqft	2.50	5,077.00	0
Library	5.84	1000sqft	2.50	5,845.00	0
Unrefrigerated Warehouse-No Rail	12.34	1000sqft	2.50	12,335.00	0
Other Asphalt Surfaces	19.84	1000sqft	2.50	19,835.00	0
High Turnover (Sit Down Restaurant)	8.10	1000sqft	2.50	8,099.00	0
Single Family Housing	9.00	Dwelling Unit	2.50	16,287.00	26

## 1.2 Other Project Characteristics

UrbanizationUrbanWind Speed (m/s)2.2Precipitation Freq (Days)45

Climate Zone 3 Operational Year 2022

Utility Company Pacific Gas & Electric Company

 CO2 Intensity
 641.35
 CH4 Intensity
 0.029
 N20 Intensity
 0.006

 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)
 (lb/MWhr)

#### 1.3 User Entered Comments & Non-Default Data

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Project Characteristics -

Land Use - Lot acerage updated to match that of the Project

Construction Phase - No construction- model beling ran for operations only.

Vehicle Trips - trips updated to match the traffic report.

Woodstoves - No stoves or fireplaces

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	0.00
tblFireplaces	FireplaceDayYear	82.00	0.00
tblFireplaces	FireplaceHourDay	3.00	0.00
tblFireplaces	FireplaceWoodMass	3,078.40	0.00
tblFireplaces	NumberGas	4.95	0.00
tblFireplaces	NumberNoFireplace	4.05	0.00
tblLandUse	LandUseSquareFeet	3,880.00	3,882.00
tblLandUse	LandUseSquareFeet	5,080.00	5,077.00
tblLandUse	LandUseSquareFeet	5,840.00	5,845.00
tblLandUse	LandUseSquareFeet	12,340.00	12,335.00
tblLandUse	LandUseSquareFeet	19,840.00	19,835.00
tblLandUse	LandUseSquareFeet	8,100.00	8,099.00
tblLandUse	LandUseSquareFeet	16,200.00	16,287.00
tblLandUse	LotAcreage	0.09	2.50
tblLandUse	LotAcreage	0.12	2.50
tblLandUse	LotAcreage	0.13	2.50

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tblLandUse	LotAcreage	0.28	2.50
tblLandUse	LotAcreage	0.46	2.50
tblLandUse	LotAcreage	0.19	2.50
tblLandUse	LotAcreage	2.92	2.50
tblVehicleTrips	ST_TR	2.46	1.00
tblVehicleTrips	ST_TR	158.37	5.00
tblVehicleTrips	ST_TR	46.55	10.00
tblVehicleTrips	ST_TR	9.91	6.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	1.05	1.00
tblVehicleTrips	SU_TR	131.84	5.00
tblVehicleTrips	SU_TR	25.49	10.00
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	11.03	1.00
tblVehicleTrips	WD_TR	127.15	5.00
tblVehicleTrips	WD_TR	56.24	10.00
tblVehicleTrips	WD_TR	9.52	5.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWoodstoves	WoodstoveDayYear	82.00	0.00
tblWoodstoves	WoodstoveWoodMass	3,019.20	0.00

## 2.0 Emissions Summary

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## Auberry- Operations - Fresno County, Annual

# 2.1 Overall Construction <u>Unmitigated Construction</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
2021	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
Maximum	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

## **Mitigated Construction**

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
2021	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
Maximum	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

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	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

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

## 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					ton	MT/yr										
Area	0.2448	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128
Energy	0.0130	0.1170	0.0938	7.1000e- 004		8.9500e- 003	8.9500e- 003	     	8.9500e- 003	8.9500e- 003	0.0000	291.8036	291.8036	9.8600e- 003	3.8800e- 003	293.2064
Mobile	0.0490	0.6011	0.4170	2.2200e- 003	0.1214	1.8200e- 003	0.1232	0.0327	1.7200e- 003	0.0344	0.0000	206.9229	206.9229	0.0256	0.0000	207.5635
Waste						0.0000	0.0000	<del></del> -     	0.0000	0.0000	26.6040	0.0000	26.6040	1.5723	0.0000	65.9103
Water						0.0000	0.0000		0.0000	0.0000	2.4346	13.9006	16.3351	0.2507	6.0300e- 003	24.4004
Total	0.3067	0.7189	0.5782	2.9300e- 003	0.1214	0.0111	0.1325	0.0327	0.0110	0.0438	29.0386	512.7373	541.7759	1.8585	9.9100e- 003	591.1935

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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					ton		MT/yr									
Area	0.2448	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128
Energy	0.0130	0.1170	0.0938	7.1000e- 004		8.9500e- 003	8.9500e- 003		8.9500e- 003	8.9500e- 003	0.0000	128.0396	128.0396	2.4500e- 003	2.3500e- 003	128.8007
Mobile	0.0490	0.6011	0.4170	2.2200e- 003	0.1214	1.8200e- 003	0.1232	0.0327	1.7200e- 003	0.0344	0.0000	206.9229	206.9229	0.0256	0.0000	207.5635
Waste	,					0.0000	0.0000		0.0000	0.0000	26.6040	0.0000	26.6040	1.5723	0.0000	65.9103
Water	,					0.0000	0.0000		0.0000	0.0000	1.9477	11.4847	13.4323	0.2006	4.8300e- 003	19.8860
Total	0.3067	0.7189	0.5782	2.9300e- 003	0.1214	0.0111	0.1325	0.0327	0.0110	0.0438	28.5517	346.5573	375.1090	1.8010	7.1800e- 003	422.2733

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.68	32.41	30.76	3.10	27.55	28.57

#### 3.0 Construction Detail

#### **Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Architectural Coating	Architectural Coating	9/17/2021	9/16/2021	5	0	

Acres of Grading (Site Preparation Phase): 0

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Acres of Grading (Grading Phase): 0

Acres of Paving: 2.5

Residential Indoor: 32,981; Residential Outdoor: 10,994; Non-Residential Indoor: 52,857; Non-Residential Outdoor: 17,619; Striped Parking

Area: 1,190 (Architectural Coating - sqft)

#### **OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48

### **Trips and VMT**

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
Architectural Coating	1	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

## 3.1 Mitigation Measures Construction

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## 3.2 Architectural Coating - 2021 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					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

#### **Unmitigated Construction Off-Site**

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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## 3.2 Architectural Coating - 2021 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					ton	s/yr							MT	/yr		
Archit. Coating	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## **Mitigated Construction Off-Site**

	ROG	NOx	СО	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					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

## 4.0 Operational Detail - Mobile

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## **4.1 Mitigation Measures Mobile**

	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					ton	s/yr							MT	/yr		
Mitigated	0.0490	0.6011	0.4170	2.2200e- 003	0.1214	1.8200e- 003	0.1232	0.0327	1.7200e- 003	0.0344	0.0000	206.9229	206.9229	0.0256	0.0000	207.5635
Unmitigated	0.0490	0.6011	0.4170	2.2200e- 003	0.1214	1.8200e- 003	0.1232	0.0327	1.7200e- 003	0.0344	0.0000	206.9229	206.9229	0.0256	0.0000	207.5635

## **4.2 Trip Summary Information**

	Ave	rage Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	3.88	3.88	3.88	9,272	9,272
General Office Building	5.08	5.08	5.08	12,140	12,140
High Turnover (Sit Down Restaurant)	40.50	40.50	40.50	46,991	46,991
Library	58.40	58.40	58.40	98,980	98,980
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	45.00	54.00	77.58	149,237	149,237
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	152.86	161.86	185.44	316,620	316,620

## 4.3 Trip Type Information

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		Miles			Trip %			Trip Purpos	e %
Land Use	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
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
General Office Building	9.50	7.30	7.30	33.00	48.00	19.00	77	19	4
High Turnover (Sit Down	9.50	7.30	7.30	8.50	72.50	19.00	37	20	43
Library	9.50	7.30	7.30	52.00	43.00	5.00	44	44	12
Other Asphalt Surfaces	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0
Single Family Housing	10.80	7.30	7.50	48.40	15.90	35.70	86	11	3
Unrefrigerated Warehouse-No	9.50	7.30	7.30	59.00	0.00	41.00	92	5	3

#### 4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
General Office Building	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
High Turnover (Sit Down Restaurant)	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Library	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Other Asphalt Surfaces	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Single Family Housing	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594
Unrefrigerated Warehouse-No Rail	0.492212	0.031147	0.169820	0.116157	0.015815	0.004502	0.033398	0.126328	0.002363	0.001519	0.005062	0.001083	0.000594

## 5.0 Energy Detail

Historical Energy Use: N

## **5.1 Mitigation Measures Energy**

Kilowatt Hours of Renewable Electricity Generated

Percent of Electricity Use Generated with Renewable Energy

	ROG	NOx	СО	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					ton	s/yr						МТ	/yr			
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	-0.1091	-0.1091	0.0000	0.0000	-0.1095
Electricity Unmitigated	,					0.0000	0.0000		0.0000	0.0000	0.0000	163.6550	163.6550	7.4000e- 003	1.5300e- 003	164.2962
NaturalGas Mitigated	0.0130	0.1170	0.0938	7.1000e- 004		8.9500e- 003	8.9500e- 003		8.9500e- 003	8.9500e- 003	0.0000	128.1487	128.1487	2.4600e- 003	2.3500e- 003	128.9102
	0.0130	0.1170	0.0938	7.1000e- 004		8.9500e- 003	8.9500e- 003		8.9500e- 003	8.9500e- 003	0.0000	128.1487	128.1487	2.4600e- 003	2.3500e- 003	128.9102

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## 5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	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					ton	s/yr							МТ	√/yr		
General Office Building	50660.1	2.7000e- 004	2.4800e- 003	2.0900e- 003	1.0000e- 005		1.9000e- 004	1.9000e- 004	1.9000e- 004	0.0000	2.7034	2.7034	5.0000e- 005	5.0000e- 005	2.7195		
General Office Building	66254.8	3.6000e- 004	3.2500e- 003	2.7300e- 003	2.0000e- 005		2.5000e- 004	2.5000e- 004	 	2.5000e- 004	2.5000e- 004	0.0000	3.5356	3.5356	7.0000e- 005	6.0000e- 005	3.5566
High Turnover (Sit Down Restaurant)		9.1900e- 003	0.0835	0.0702	5.0000e- 004		6.3500e- 003	6.3500e- 003	 	6.3500e- 003	6.3500e- 003	0.0000	90.9422	90.9422	1.7400e- 003	1.6700e- 003	91.4826
Library	121985	6.6000e- 004	5.9800e- 003	5.0200e- 003	4.0000e- 005		4.5000e- 004	4.5000e- 004	 	4.5000e- 004	4.5000e- 004	0.0000	6.5096	6.5096	1.2000e- 004	1.2000e- 004	6.5483
Other Asphalt Surfaces	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
Single Family Housing	235307	1.2700e- 003	0.0108	4.6100e- 003	7.0000e- 005		8.8000e- 004	8.8000e- 004	 	8.8000e- 004	8.8000e- 004	0.0000	12.5569	12.5569	2.4000e- 004	2.3000e- 004	12.6315
Unrefrigerated Warehouse-No Rail	223017	1.2000e- 003	0.0109	9.1800e- 003	7.0000e- 005		8.3000e- 004	8.3000e- 004	 	8.3000e- 004	8.3000e- 004	0.0000	11.9010	11.9010	2.3000e- 004	2.2000e- 004	11.9718
Total		0.0130	0.1170	0.0938	7.1000e- 004		8.9500e- 003	8.9500e- 003		8.9500e- 003	8.9500e- 003	0.0000	128.1487	128.1487	2.4500e- 003	2.3500e- 003	128.9102

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# **5.2 Energy by Land Use - NaturalGas Mitigated**

	NaturalGa s Use	ROG	NOx	СО	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						
General Office Building	50660.1	2.7000e- 004	2.4800e- 003	2.0900e- 003	1.0000e- 005		1.9000e- 004	1.9000e- 004		1.9000e- 004	1.9000e- 004	0.0000	2.7034	2.7034	5.0000e- 005	5.0000e- 005	2.7195
General Office Building	66254.8	3.6000e- 004	3.2500e- 003	2.7300e- 003	2.0000e- 005		2.5000e- 004	2.5000e- 004	 	2.5000e- 004	2.5000e- 004	0.0000	3.5356	3.5356	7.0000e- 005	6.0000e- 005	3.5566
High Turnover (Sit Down Restaurant)		9.1900e- 003	0.0835	0.0702	5.0000e- 004		6.3500e- 003	6.3500e- 003	 	6.3500e- 003	6.3500e- 003	0.0000	90.9422	90.9422	1.7400e- 003	1.6700e- 003	91.4826
Library	121985	6.6000e- 004	5.9800e- 003	5.0200e- 003	4.0000e- 005		4.5000e- 004	4.5000e- 004	 	4.5000e- 004	4.5000e- 004	0.0000	6.5096	6.5096	1.2000e- 004	1.2000e- 004	6.5483
Other Asphalt Surfaces	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
Single Family Housing	235307	1.2700e- 003	0.0108	4.6100e- 003	7.0000e- 005		8.8000e- 004	8.8000e- 004	 	8.8000e- 004	8.8000e- 004	0.0000	12.5569	12.5569	2.4000e- 004	2.3000e- 004	12.6315
Unrefrigerated Warehouse-No Rail	223017	1.2000e- 003	0.0109	9.1800e- 003	7.0000e- 005		8.3000e- 004	8.3000e- 004	 	8.3000e- 004	8.3000e- 004	0.0000	11.9010	11.9010	2.3000e- 004	2.2000e- 004	11.9718
Total		0.0130	0.1170	0.0938	7.1000e- 004		8.9500e- 003	8.9500e- 003		8.9500e- 003	8.9500e- 003	0.0000	128.1487	128.1487	2.4500e- 003	2.3500e- 003	128.9102

5.3 Energy by Land Use - Electricity Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e				
Land Use	kWh/yr		MT/yr						
General Office Building	35403.8	10.2994	4.7000e- 004	1.0000e- 004	10.3397				
General Office Building	46302.2	13.4699	6.1000e- 004	1.3000e- 004	13.5226				
High Turnover (Sit Down Restaurant)		68.2560	3.0900e- 003	6.4000e- 004	68.5234				
Library	51552.9	14.9973	6.8000e- 004	1.4000e- 004	15.0561				
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000				
Single Family Housing	78846.7	22.9374	1.0400e- 003	2.1000e- 004	23.0273				
Unrefrigerated Warehouse-No Rail	115826	33.6950	1.5200e- 003	3.2000e- 004	33.8270				
Total		163.6550	7.4100e- 003	1.5400e- 003	164.2962				

5.3 Energy by Land Use - Electricity Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e			
Land Use	kWh/yr	MT/yr						
General Office Building	-53.5714	-0.0312	0.0000	0.0000	-0.0313			
High Turnover (Sit Down Restaurant)		-0.0156	0.0000	0.0000	-0.0157			
Library	-53.5714	-0.0156	0.0000	0.0000	-0.0157			
Other Asphalt Surfaces	-53.5714	-0.0156	0.0000	0.0000	-0.0157			
Single Family Housing	-53.5714	-0.0156	0.0000	0.0000	-0.0157			
Unrefrigerated Warehouse-No Rail	. 00.07 1 1	-0.0156	0.0000	0.0000	-0.0157			
Total		-0.1091	0.0000	0.0000	-0.1095			

## 6.0 Area Detail

## **6.1 Mitigation Measures Area**

No Hearths Installed

	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					ton	s/yr							MT	-/yr		
Mitigated	0.2448	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128
Unmitigated	0.2448	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128

## 6.2 Area by SubCategory

## <u>Unmitigated</u>

	ROG	NOx	СО	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	0.0402					0.0000	0.0000	i i i	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2025					0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	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
Landscaping	2.0700e- 003	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004	 	3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128
Total	0.2448	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128

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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	0.0402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2025					0.0000	0.0000	     	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	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
Landscaping	2.0700e- 003	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128
Total	0.2448	7.8000e- 004	0.0674	0.0000		3.7000e- 004	3.7000e- 004		3.7000e- 004	3.7000e- 004	0.0000	0.1101	0.1101	1.1000e- 004	0.0000	0.1128

## 7.0 Water Detail

## 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

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	Total CO2	CH4	N2O	CO2e			
Category	MT/yr						
ga.ea	13.4323	0.2006	4.8300e- 003	19.8860			
Jgatea	16.3351	0.2507	6.0300e- 003	24.4004			

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7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		MT	-/yr	
General Office Building	1.59249 / 0.976045	4.0058	0.0521	1.2600e- 003	5.6819
High Turnover (Sit Down Restaurant)		4.8100	0.0803	1.9300e- 003	7.3923
Library	0.182727 / 0.285804	0.6366	5.9800e- 003	1.5000e- 004	0.8296
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.586386 / 0.369678	1.4855	0.0192	4.6000e- 004	2.1027
Unrefrigerated Warehouse-No Rail	2.85363 / 0	5.3973	0.0932	2.2400e- 003	8.3938
Total		16.3351	0.2507	6.0400e- 003	24.4004

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7.2 Water by Land Use Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal		МТ	-/yr	
General Office Building	1.274 / 0.976045	3.4034	0.0417	1.0100e- 003	4.7451
High Turnover (Sit Down Restaurant)		3.8799	0.0642	1.5400e- 003	5.9460
Library	0.146182 / 0.285804	0.5675	4.7900e- 003	1.2000e- 004	0.7221
Other Asphalt Surfaces	0/0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.469109 / 0.369678	1.2637	0.0153	3.7000e- 004	1.7577
Unrefrigerated Warehouse-No Rail	2.2829 / 0	4.3178	0.0746	1.7900e- 003	6.7150
Total		13.4323	0.2006	4.8300e- 003	19.8860

### 8.0 Waste Detail

## 8.1 Mitigation Measures Waste

## Category/Year

	Total CO2	CH4	N2O	CO2e				
	MT/yr							
ga.ea	26.6040	1.5723	0.0000	65.9103				
	26.6040	1.5723	0.0000	65.9103				

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8.2 Waste by Land Use <u>Unmitigated</u>

	Waste Disposed	Total CO2	CH4	N2O	CO2e			
Land Use	tons	MT/yr						
General Office Building	8.33	1.6909	0.0999	0.0000	4.1892			
High Turnover (Sit Down Restaurant)		19.5663	1.1563	0.0000	48.4747			
Library	5.38	1.0921	0.0645	0.0000	2.7056			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000			
Single Family Housing	9.36	1.9000	0.1123	0.0000	4.7072			
Unrefrigerated Warehouse-No Rail	11.6	2.3547	0.1392	0.0000	5.8337			
Total		26.6040	1.5723	0.0000	65.9103			

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## 8.2 Waste by Land Use

#### **Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e			
Land Use	tons	MT/yr						
General Office Building	8.33	1.6909	0.0999	0.0000	4.1892			
High Turnover (Sit Down Restaurant)		19.5663	1.1563	0.0000	48.4747			
Library	5.38	1.0921	0.0645	0.0000	2.7056			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000			
Single Family Housing	9.36	1.9000	0.1123	0.0000	4.7072			
Unrefrigerated Warehouse-No Rail	11.6	2.3547	0.1392	0.0000	5.8337			
Total		26.6040	1.5723	0.0000	65.9103			

## 9.0 Operational Offroad

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

## **10.0 Stationary Equipment**

## **Fire Pumps and Emergency Generators**

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

#### **Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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## **User Defined Equipment**

Equipment Type	Number
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## 11.0 Vegetation

# APPENDIX B

Biological Resources Assessment, ECORP Consulting, Inc. 2018.

# **Biological Resources Assessment**

# **Auberry Center California Conservation Corps Project**

Fresno County, California

## **Prepared For:**

California Department of General Services RESD Environmental Services 707 Third Street, Mailstop 509, 4th Floor West Sacramento, California 95605





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#### **LIST OF ACRONYMS AND ABBREVIATIONS**

ARP SSHCP Aquatic Resources Program
BCC Birds Of Conservation Concern
BRA Biological Resources Assessment
CARI California Aquatic Resources Inventory

CCC California Conservation Corp

CDFW California Department of Fish and Wildlife CEQA California Environmental Quality Act

CFR Code of Federal Regulations

CNDDB California Natural Diversity Database

CNPS California Native Plant Society
CRPR California Rare Plant Rank

CWA Clean Water Act CWR Clean Water Rule

ESA Endangered Species Act

FR Federal Register

ITP Incidental Take Permit
MBTA Migratory Bird Treaty Act

MSL Mean Sea Level

NCCP Natural Community Conservation Plan NMFS National Marine Fisheries Service

NPDES National Pollutant Discharge Elimination System

NPPA Native Plant Protection Act Project Auberry Center CCC Project

RWQCB Regional Water Quality Control Board

SFEI San Francisco Estuary Institute SSC Species of Special Concern

SSHCP South Sacramento Habitat Conservation Plan

USACE U.S. Army Corps of Engineers

USC U.S. Code

USEPA U.S. Environmental Protection Agency

USFWS U.S. Fish and Wildlife Service

USGS U.S. Geological Survey

WBWG Western Bat Working Group

#### 1.0 INTRODUCTION

On behalf of the State of California, Department of General Services, Real Estate Services Division, ECORP Consulting, Inc. conducted a biological resources assessment (BRA) for a 29.9-acre Study Area encompassing the proposed Auberry Center CCC Project (Project) located in Auberry in an unincorporated portion of north-central Fresno County, California.

#### 1.1 Study Area Location

The Study Area is located immediately west of the Auberry Road and Power House Road intersection in Auberry, California. The Study Area corresponds to a portion of Section 8, Township 10 south, and Range 23 east (Mount Diablo Base and Meridian) within the "Auberry, California" 7.5-minute quadrangle (U.S. Geological Survey [USGS] 1987) (Figure 1. *Study Area Location and Vicinity*). The approximate center of the Study Area is located at latitude (NAD83) 37.080134° and longitude (NAD83) -119.487500° within the Upper San Joaquin Watershed (Hydrologic Unit Code #18040006, USGS 2016).

#### 1.2 Project Description

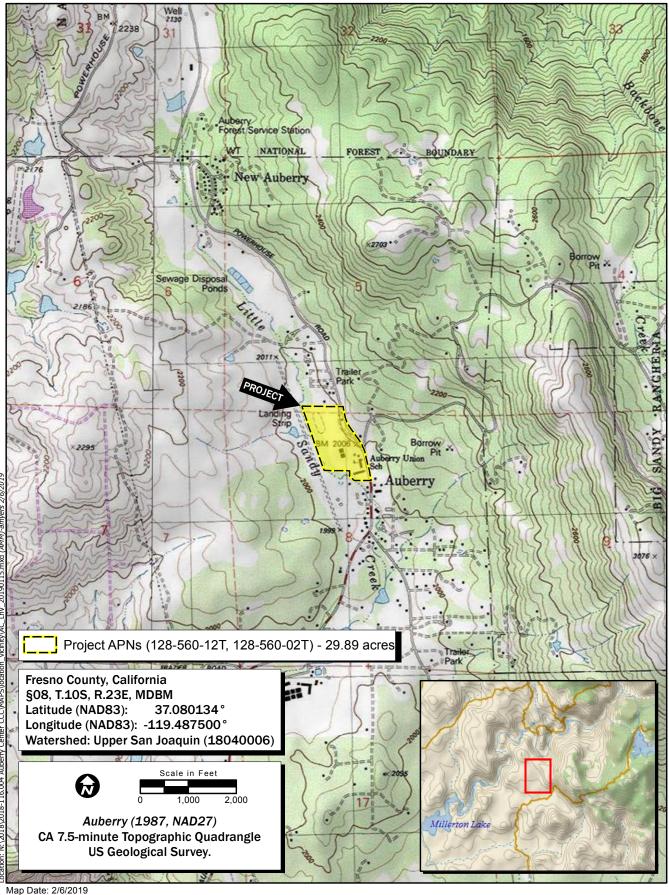
The Project is proposed at the former Auberry Elementary School located at 33367 North Auberry Road, in the unincorporated community of Auberry in Fresno County. The Auberry Elementary School was constructed in 1939. Due to a declining student population, the Sierra Unified School District was forced to close the school in 2012.

The California Conservation Corp (CCC) is proposing to renovate the elementary school consisting of approximately 52,000 square feet of existing structures. The Project involves bringing the existing structures to current code for use as a CCC facility. Existing structures to be renovated include an administration building, dormitories, multi-purpose building with kitchen and dining room, education building and recreation building. The Project also includes construction of a new 12,358-square-foot warehouse with work area. Additional site improvements would include paved surfaces, walkways, driveways, parking, and associated utilities. The current Project configuration includes a 100-foot buffer from Little Sandy Creek.

### 1.3 Purpose of this Biological Resources Assessment

The purpose of this BRA was to collect information on the biological resources present or with the potential to occur in the Study Area, to provide an analysis of potential Project impacts on these resources, and to recommend mitigation measures. This BRA is intended to support preparation of an environmental document pursuant to the California Environmental Quality Act (CEQA).

This BRA includes information generated from the reconnaissance-level site assessment and does not include determinate field surveys for special-status plant and animal species. Aquatic resources delineation field mapping was performed according to U.S. Army Corps of Engineers' (USACE's) standards. However, preparation of an aquatic resources delineation report was not included as part of this task order.



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Figure 1. Study Area Location and Vicinity

For the purposes of this assessment, special-status species are defined as plants or animals that:

- are listed, proposed for listing, or candidates for future listing as threatened or endangered under the federal Endangered Species Act (ESA);
- are listed or candidates for future listing as threatened or endangered under the California ESA;
- meet the definitions of endangered or rare under § 15380 of the CEQA Guidelines;
- are identified as a species of special concern (SSC) by the California Department of Fish and Wildlife (CDFW);
- are birds identified as birds of conservation concern (BCC) by the U.S. Fish and Wildlife Service (USFWS);
- are considered by the California Native Plant Society (CNPS) to be "rare, threatened, or endangered in California", "plants about which more information is needed", or "plants of limited distribution a watch list" (i.e., species with a California Rare Plant Rank [CRPR] of 1B, 2, 3, or 4);
- are plants listed as rare under the California Native Plant Protection Act (NPPA) (California Fish and Game Code, § 1900 et seq.); or
- are fully protected in California in accordance with the California Fish and Game Code, §§ 3511 (birds), 4700 (mammals), 5050 (amphibians and reptiles), and 5515 (fishes).

#### 2.0 REGULATORY SETTING

#### 2.1 Federal Regulations

#### 2.1.1 Endangered Species Act

The ESA protects plants and animals that are listed as endangered or threatened by USFWS and the National Marine Fisheries Service (NMFS). Section 9 of ESA prohibits, without authorization, the taking of listed wildlife, where take is defined as "harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, collect, or attempt to engage in such conduct" [50 Code of Federal Regulations (CFR) 17.3]. For plants, this statute governs removing, possessing, maliciously damaging, or destroying any listed plant under federal jurisdiction and removing, cutting, digging up, damaging, or destroying any listed plant in any other area in knowing violation of state law [16 U.S. Code (USC) 1538]. Under Section 7 of ESA, federal agencies are required to consult with USFWS and/or NMFS if their actions, including permit approvals and funding, could adversely affect a listed (or proposed) species (including plants) or its critical habitat. Through consultation and the issuance of a biological opinion, USFWS and NMFS may issue an incidental take statement allowing take of the species that is incidental to an otherwise authorized activity provided the activity will not jeopardize the continued existence of the species. Section 10 of ESA provides for the issuance of incidental take permits (ITPs) where no other federal actions are necessary provided a habitat conservation plan is developed.

#### **Critical Habitat**

Critical Habitat is defined in Section 3 of ESA as:

- the specific areas within the geographical area occupied by a species, at the time it is listed in accordance with the ESA, on which are found those physical or biological features essential to the conservation of the species and that may require special management considerations or protection; and
- 2. specific areas outside the geographical area occupied by a species at the time it is listed, upon a determination that such areas are essential for the conservation of the species.

For inclusion in a Critical Habitat designation, habitat within the geographical area occupied by the species at the time it was listed must first have features essential to the conservation of the species (16 USC 1533). Critical Habitat designations identify, to the extent known and using the best scientific data available, habitat areas that provide essential life cycle needs of the species (areas on which are found the primary constituent elements). Primary constituent elements are the physical and biological features that are essential to the conservation of the species and that may require special management considerations or protection. These include but are not limited to the following:

- 1. Space for individual and population growth and for normal behavior
- 2. Food, water, air, light, minerals, or other nutritional or physiological requirements
- 3. Cover or shelter
- 4. Sites for breeding, reproduction, or rearing (or development) of offspring
- 5. Habitats that are protected from disturbance or are representative of the historic, geographical, and ecological distributions of a species

#### 2.1.2 Migratory Bird Treaty Act

The Migratory Bird Treaty Act (MBTA) implements international treaties between the United States and other nations devised to protect migratory birds, any of their parts, eggs, and nests from activities such as hunting, pursuing, capturing, killing, selling, and shipping, unless expressly authorized in the regulations or by permit. As authorized under the MBTA, USFWS issues permits to qualified applicants for the following types of activities: falconry, raptor propagation, scientific collecting, special purposes (rehabilitation, education, migratory game bird propagation, and salvage), take of depredating birds, taxidermy, and waterfowl sale and disposal. The regulations governing migratory bird permits can be found in 50 CFR part 13 General Permit Procedures and 50 CFR part 21 Migratory Bird Permits. The State of California has incorporated the protection of non-game birds in § 3800, migratory birds in § 3513, and birds of prey in § 3503.5 of the California Fish and Game Code.

### 2.1.3 Clean Water Act

The federal Clean Water Act's (CWA's) purpose is to "restore and maintain the chemical, physical, and biological integrity of the nation's waters." Section 404 of the CWA prohibits the discharge of dredged or fill material into "Waters of the United States" without a permit from the USACE. The Clean Water Rule (CWR) was published in April 2015, but implementation of the rule was stayed until July 2018. It is currently (2018) in effect for California and a few other states. The CWR defines which features are considered Waters of the U.S. (and thus subject to the CWA). The CWR defines Waters of the U.S. as features having a significant effect on the chemical, physical, or biological integrity of Traditional Navigable Waters, interstate water, or territorial seas. Wetlands are defined as those areas "that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" [33 CFR 328.3 7b]. The U.S. Environmental Protection Agency (USEPA) also has authority over wetlands, including the authority to veto permits issued by USACE under CWA Section 404(c).

Projects involving activities that have no more than minimal individual and cumulative adverse environmental effects may meet the conditions of one of the Nationwide Permits already issued by USACE (Federal Register 82:1860, January 6, 2017). If impacts on wetlands could be substantial, an individual permit is required. A Water Quality Certification or waiver pursuant to Section 401 of the CWA is required for Section 404 permit actions; this certification or waiver is issued by the Regional Water Quality Control Board (RWQCB). The SSHCP includes an Aquatic Resources Program (ARP) to allow for streamlined permitting pursuant to CWA Sections 404 and 401.

### **Waters of the United States**

This report describes aquatic resources, including wetlands that may be regulated by USACE under Section 404 of the federal CWA.

#### Wetlands

Wetlands are "those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" [51 Federal Register (FR) 41250, Nov. 13, 1986, as amended at 58 FR 45036, Aug. 25, 1993]. Wetlands can be perennial or intermittent.

#### **Other Waters**

Other waters are nontidal, perennial, and intermittent watercourses and tributaries to such watercourses [51 FR 41250, Nov. 13, 1986, as amended at 58 FR 45036, August 25, 1993]. The limit of USACE jurisdiction for nontidal watercourses (without adjacent wetlands) is defined in 33 CFR 328.4(c)(1) as the ordinary high-water mark.

# 2.2 State and Local Regulations

# 2.2.1 California Endangered Species Act

The California ESA (California Fish and Game Code §§ 2050-2116) protects species of fish, wildlife, and plants listed by the state as endangered or threatened. Species identified as candidates for listing may also receive protection. Section 2080 of the California ESA prohibits the taking, possession, purchase, sale, and import or export of endangered, threatened, or candidate species, unless otherwise authorized by permit. Take is defined in Section 86 of the California Fish and Game Code as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." The California ESA allows for take incidental to otherwise lawful projects under permits issued by CDFW. Permitting under the SSHCP provides take authorization of certain Covered Species through a streamlined permitting process. The SSHCP is discussed further in Section 2.5.8.

# 2.2.2 Fully Protected Species

The State of California first began to designate species as "fully protected" prior to the creation of the federal and the California ESAs. Lists of fully protected species were initially developed to provide protection to those animals that were rare or faced possible extinction and included fish, amphibians and reptiles, birds, and mammals. Most fully protected species have since been listed as threatened or endangered under the federal and/or California ESAs. Fully protected species are identified in the California Fish and Game Code § 4700 for mammals, § 3511 for birds, § 5050 for reptiles and amphibians, and § 5515 for fish.

These sections of the California Fish and Game Code provide that fully protected species may not be taken or possessed at any time, including prohibition of CDFW from issuing ITPs for fully protected species under the California ESA. CDFW will issue licenses or permits for take of these species for necessary scientific research or live capture and relocation pursuant to the permit and may allow incidental take for lawful activities carried out under an approved Natural Community Conservation Plan (NCCP) within which such species are covered.

#### 2.2.3 Native Plant Protection Act

The NPPA of 1977 (California Fish and Game Code §§ 1900-1913) was established with the intent to "preserve, protect and enhance rare and endangered plants in this state." The NPPA is administered by CDFW. The Fish and Game Commission has the authority to designate native plants as "endangered" or "rare". The NPPA prohibits the take of plants listed under the NPPA, but the NPPA contains a number of exemptions to this prohibition that have not been clarified by regulation or judicial rule. In 1984, the California ESA brought under its protection all plants previously listed as endangered under NPPA. Plants listed as rare under NPPA are not protected under the California ESA, but are still protected under the provisions of NPPA. The Fish and Game Commission no longer lists plants under NPPA, reserving all listings to the California ESA.

# 2.2.4 California Fish and Game Code Special Protections for Birds

In addition to protections contained within the California ESA and California Fish and Game Code § 3511 described above, the California Fish and Game Code includes a number of sections that specifically protect certain birds.

Section 3800 states that it is unlawful to take nongame birds, such as those occurring naturally in California that are not resident game birds, migratory game birds, or fully protected birds, except when in accordance with regulations of the California Fish and Game Commission or a mitigation plan approved by CDFW for mining operations.

Section 3503 prohibits the take, possession, or needless destruction of the nest or eggs of any bird.

Section 3503.5 protects birds of prey (which includes eagles, hawks, falcons, kites, ospreys, and owls) and prohibits the take, possession, or destruction of any birds and their nests

Section 3505 makes it unlawful to take, sell, or purchase egrets, ospreys, and several exotic non-native species, or any part of these birds.

Section 3513 specifically prohibits the take or possession of any migratory nongame bird as designated in the MBTA.

# 2.2.5 Lake or Streambed Alteration Agreements

Section 1600-1616 of the California Fish and Game Code requires individuals or agencies to provide a Notification of Lake or Streambed Alteration to CDFW for "any activity that may substantially divert or obstruct the natural flow or substantially change the bed, channel, or bank of any river, stream, or lake." CDFW reviews the proposed actions and, if necessary, proposed measures to protect affected fish and wildlife resources. The final proposal mutually agreed upon by CDFW and the applicant is the Lake or Streambed Alternation Agreement. The SSHCP complies with Sections 1600-1616 of the California Fish and Game Code.

# 2.2.6 Porter-Cologne Water Quality Act

The RWQCB implements water quality regulations under the federal CWA and the Porter-Cologne Water Quality Act. These regulations require compliance with the National Pollutant Discharge Elimination System (NPDES), including compliance with the California Storm Water NPDES General Construction Permit for discharges of stormwater runoff associated with construction activities. General Construction Permits for projects that disturb one or more acres of land require development and implementation of a Storm Water Pollution Prevention Plan. Under the Porter-Cologne Water Quality Act, the RWQCB regulates actions that would involve "discharging waste, or proposing to discharge waste, with any region that could affect the water of the state" [Water Code 13260(a)]. Waters of the State are defined as "any surface water or groundwater, including saline waters, within the boundaries of the state" [Water Code 13050 (e)]. The RWQCB regulates all such activities, as well as dredging, filling, or discharging materials into Waters of the State, that are not regulated by USACE due to a lack of connectivity with a navigable water body. The RWQCB may require issuance of a Waste Discharge Requirements for these activities.

# 2.2.7 California Environmental Quality Act

In accordance with CEQA Guidelines § 15380, a species or subspecies not specifically protected under the federal or California ESAs or NPPA may be considered endangered, rare, or threatened for CEQA review purposes if the species meets certain criteria specified in the Guidelines. These criteria include definitions similar to definitions used in ESA, the California ESA, and NPPA. Section 15380 was included in the CEQA Guidelines primarily to address situations in which a project under review may have a significant effect on a species that has not been listed under ESA, the California ESA, or NPPA, but that may meet the definition of endangered, rare, or threatened. Animal species identified as SSC by CDFW, and plants identified by the CNPS as rare, threatened, or endangered may meet the CEQA definition of rare or endangered.

#### **Species of Special Concern**

SSC are defined by CDFW as a species, subspecies, or distinct population of an animal native to California that are not legally protected under ESA, the California ESA, or the California Fish and Game Code, but currently satisfies one or more of the following criteria:

- The species has been completely extirpated from the state or, as in the case of birds, it has been extirpated from its primary seasonal or breeding role;
- The species is listed as federally (but not state) threatened or endangered, or meets the state definition of threatened or endangered but has not formally been listed;
- The species has or is experiencing serious (noncyclical) population declines or range retractions (not reversed) that, if continued or resumed, could qualify it for state threatened or endangered status;
- The species has naturally small populations that exhibit high susceptibility to risk from any factor that if realized, could lead to declines that would qualify it for state threatened or endangered status, and
- SSC are typically associated with habitats that are threatened.

Depending on the policy of the lead agency, projects that result in substantial impacts to SSC may be considered significant under CEQA.

#### U.S. Fish and Wildlife Service Birds of Conservation Concern

The 1988 amendment to the Fish and Wildlife Conservation Act mandates USFWS "identify species, subspecies, and populations of all migratory nongame birds that, without additional conservation actions, are likely to become candidates for listing under ESA." To meet this requirement, USFWS published a list of BCC (USFWS 2008) for the United States. The list identifies the migratory and nonmigratory bird species (beyond those already designated as federally threatened or endangered) that represent USFWS' highest conservation priorities. Depending on the policy of the lead agency, projects that result in substantial impacts to BCC may be considered significant under CEQA.

#### **Sensitive Natural Communities**

The CDFW maintains the *California Natural Community List* (CDFW 2018), which provides a list of vegetation alliances, associations, and special stands as defined in the *Manual of California Vegetation* (Sawyer et al. 2009), along with their respective state and global rarity ranks. Natural communities with a state rarity rank of 1, 2, or 3 are considered sensitive natural communities. Depending on the policy of the lead agency, impacts to sensitive natural communities may be considered significant under CEQA.

#### California Rare Plant Ranks

The CNPS maintains the *Inventory of Rare and Endangered Plants of California* (CNPS 2019), which provides a list of plant species native to California that are threatened with extinction, have limited distributions, and/or low populations. Plant species meeting one of these criteria are assigned to one of six CRPRs. The rank system was developed in collaboration with government, academia, non-governmental organizations, and private sector botanists, and is jointly managed by CDFW and the CNPS. The CRPRs are currently recognized in the California Natural Diversity Database (CNDDB). The following are definitions of the CNPS CRPRs:

- Rare Plant Rank 1A presumed extirpated in California and either rare or extinct elsewhere
- Rare Plant Rank 1B rare, threatened, or endangered in California and elsewhere
- Rare Plant Rank 2A presumed extirpated in California, but more common elsewhere
- Rare Plant Rank 2B rare, threatened, or endangered in California but more common elsewhere
- Rare Plant Rank 3 a review list of plants about which more information is needed
- Rare Plant Rank 4 a watch list of plants of limited distribution

Additionally, CNPS has defined Threat Ranks that are added to the CRPR as an extension. Threat Ranks designate the level of threat on a scale of 1 through 3, with 1 being the most threatened and 3 being the least threatened. Threat Ranks are generally present for all plants ranked 1B, 2B, or 4, and for the majority of plants ranked 3. Plant species ranked 1A and 2A (presumed extirpated in California), and some species ranked 3, which lack threat information, do not typically have a Threat Rank extension. The following are definitions of the CNPS Threat Ranks:

- Threat Rank 0.1 Seriously threatened in California (over 80 percent of occurrences threatened/high degree and immediacy of threat)
- Threat Rank 0.2 Moderately threatened in California (20-80 percent occurrences threatened/moderate degree and immediacy of threat)
- Threat Rank 0.3 Not very threatened in California (less than 20 percent of occurrences threatened/low degree and immediacy of threat or no current threats known)

Factors, such as habitat vulnerability and specificity, distribution, and condition of occurrences, are considered in setting the Threat Rank; and differences in Threat Ranks do not constitute additional or different protection (CNPS 2019).

Depending on the policy of the lead agency, substantial impacts to plants ranked 1A, 1B, or 2, and 3 are typically considered significant under CEQA Guidelines § 15380. Significance under CEQA is typically evaluated on a case-by-case basis for plants ranked 4 and at the discretion of the CEQA lead agency.

# California Environmental Quality Act Significance Criteria

Sections 15063-15065 of the CEQA Guidelines address how an impact is identified as significant. Generally, impacts to listed (rare, threatened, or endangered) species are considered significant. Assessment of "impact significance" to populations of non-listed species (e.g., SSC) usually considers the proportion of the species' range that will be affected by a project, impacts to habitat, and the regional and population level effects.

Specifically, § 15064.7 of the CEQA Guidelines encourages local agencies to develop and publish the thresholds that the agency uses in determining the significance of environmental effects caused by projects under its review. However, agencies may also rely upon the guidance provided by the expanded Initial Study checklist contained in Appendix G of the CEQA Guidelines. Appendix G provides examples of impacts that would normally be considered significant.

An evaluation of whether or not an impact on biological resources would be substantial must consider both the resource itself and how that resource fits into a regional or local context. Substantial impacts would be those that would diminish, or result in the loss of, an important biological resource, or those that would obviously conflict with local, state, or federal resource conservation plans, goals, or regulations. Impacts are sometimes locally important but not significant under CEQA. The reason for this is that although the impacts would result in an adverse alteration of existing conditions, they would not substantially diminish or result in the permanent loss of an important resource on a population-wide or region-wide basis.

### 2.2.8 2000 Fresno County General Plan

The Open Space and Conservation Element of the 2000 Fresno County General Plan is concerned with protected and preserving natural resources, preserving open space areas, managing the production of commodity resources, protecting and enhancing cultural resources, and providing recreational opportunities. The following Goals and Policies are pertinent to biological resources found within the Study Area.

Goal OS-D To conserve the function and values of wetlands communities and related riparian areas throughout Fresno County while allowing compatible uses where appropriate. Protection of these resource functions will positively affect aesthetics, water quality, floodplain management, ecological functions, and recreation/tourism.

- Goal OS-E.1 To help protect, restore, and enhance habitats in Fresno County that support fish and wildlife species so that populations are maintained at viable levels.
- Goal OS-F To preserve and protect the valuable vegetation resources of Fresno County.
  - Policy OS-D.4 The County shall require riparian protection zones around natural watercourses and shall recognize that these areas provide highly valuable wildlife habitat.
  - Policy OS-D.6 The County shall require new private or public developments to preserve and enhance existing native riparian habitat unless public safety concerns require removal of habitat for flood control or other purposes.
  - Policy OS-E.1 The County shall support efforts to avoid the "net" loss of important wildlife habitat where practicable.
  - Policy OS-E.2 The County shall require adequate buffer zones between construction activities and significant wildlife resources, including both onsite habitats that are purposely avoided and significant habitats that are adjacent to the project site, in order to avoid the degradation and disruption of critical life cycle activities such as breeding and feeding.
  - Policy OS-E.5 The County shall support preservation of habitats of rare, threatened, endangered, and/or other special-status species including fisheries.
  - Policy OS-E.6 The County shall ensure the conservation of large, continuous expanses of native vegetation to provide habitat for maintaining abundant and diverse wildlife populations, as long as this preservation does not threaten the economic well-being of the county.
  - Policy OS-E.13 The County should protect to the maximum extent practicable wetlands, riparian habitat, and meadows since they are recognized as essential habitats for birds and wildlife.
  - Policy OS-E.18 The County should preserve, to the maximum possible extent, areas defines as habitats for rare or endangered animals and plant species in a natural state consistent with State and Federal endangered species laws.
  - Policy OS-F.3 The County shall support the preservation of significant areas of natural vegetation including, but not limited to, oak woodlands, riparian areas, and vernal pools.

Policy OS-F.10 The County shall promote the preservation of oak woodlands by encouraging landowners to follow the Fresno County Oak Management Guidelines and to prepare an Oak Management Plan for their property.

# 3.0 METHODS

# 3.1 Aquatic Resources

This aquatic resources delineation was conducted in accordance with the Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory 1987) and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Arid West Region Supplement) (USACE 2008). The boundaries of aquatic resources were delineated using standard field methods. This field delineation did not include preparation of a delineation report according to USACE Sacramento District minimum standards.

Field survey was conducted on January 24, 2019 by ECORP biologist Keith Kwan. The biologists walked the entire Study Area to determine the location and extent of aquatic resources within the Study Area. Where feasible, aquatic resource boundaries within the Study Area were recorded in the field using a post-processing capable global positioning system unit with sub-meter accuracy (EOS Arrow 100). However, due to intermittent satellite coverage resulting from the topography, canopy cover, or other conditions, sub-meter accuracy could not be attained at all times during this field assessment. Where sub-meter accuracy could not be attained, the waters features were mapped based on Google Earth maps.

# 3.2 Special-Status Species

### 3.2.1 Literature Review

The following resources were queried to determine whether any special-status species have potential to occur within the Study Area.

- CDFW CNDDB record search for the "Auberry, California" 7.5-minute quadrangle and the eight surrounding USGS quadrangles (CDFW 2019b);
- USFWS Information, Planning, and Consultation System Resource Report List for the Study Area (USFWS 2019);
- CNPS' electronic *Inventory of Rare and Endangered Plants of California* was queried for the "Buffalo Creek, California" 7.5-minute quadrangle and the eight surrounding USGS quadrangles (CNPS 2019).

These lists are provided as Attachment A.

#### 3.2.2 Field Assessment

ECORP biologist Keith Kwan conducted an aquatic resource delineation and reconnaissance biological resources site assessment on January 24, 2019. During this site visit, the Study Area was walked, and

topographic maps and aerial imagery were referenced. Biological communities occurring within the Study Area were characterized and the following biological resource information was collected:

- Potential aquatic features
- Animal species directly observed;
- Habitat and vegetation communities; and
- Representative photographs of the Study Area, provided as Attachment B.

# 3.2.3 Evaluation of Special-Status Species

Based on species occurrence information from the literature review and field assessments, a list of specialstatus plant and animal species considered to have the potential to occur within the Study Area was generated. This list of potentially occurring species are summarized in Section 4.6.

Each of the species that were considered as potentially occurring within the Study Area or vicinity was evaluated based on the following criteria:

- **Present** Species was observed during field surveys or is known to occur within the Study Area based on documented occurrences within the CNDDB or other literature.
- **Potential to Occur** Habitat (including soils and elevation requirements) for the species occurs within the Study Area based on site assessment and/or literature research.
- Low Potential to Occur Marginal or limited amounts of habitat occur, and/or the species is not known to occur within the vicinity of the Study Area based on CNDDB records and other available documentation.
- Absent No suitable habitat (including soils and elevation requirements) and/or the species is not known to occur within the vicinity of the Study Area based on CNDDB records and other documentation.

#### 4.0 RESULTS

#### 4.1 Site Characteristics and Land Use

The Study Area is situated at an elevation range between approximately 1,950 and 2,025 feet above mean sea level (MSL) in Auberry, California. The Study Area is located in the Sierra Nevada region, central Sierra Nevada Foothills subregion of the California Floristic Province (Baldwin et al. 2012). This region is characterized by blue oak/foothill-pine woodlands and is dotted with serpentine (Baldwin et al. 2012). The average annual precipitation for the region is 25.00 inches with an annual average of 3.6 inches of snowfall; average maximum temperatures range from 55.3°F in January to 95.4°F in July; average minimum temperatures range from 33.7 °F in January to 64.4 °F in July (Western Regional Climate Center [WRCC] 2019).

The Study Area is located on hilly terrain and is the site of a former school with shuttered buildings and ballfields and school grounds that are no longer maintained. The surrounding lands include rural residential and commercial properties, a mobile home park, and undeveloped oak-gray pine woodland and rangeland.

# 4.1.1 Vegetation Communities

Vegetation communities found within the Study Area include nonnative annual grassland, riparian woodland, and disturbed/developed areas. Little Sandy Creek, seasonal, is found along the western boundary of the Study Area.

#### 4.1.2 Non-Native Annual Grassland

The nonnative annual grassland community is found in the former ballfields and lawns associated with the school. These areas have been leveled. Dominant plants found in the nonnative annual grassland include a variety of weedy nonnative species including soft chess (Bromus hordeaceus), filaree (*Erodium botrys*), wild oats (*Avena fatua*), yellow star-thistle (*Centaurea solstitialis*), prickly lettuce (*Lactuca serriola*), ripgut brome (*Bromus diandrus*), and medusahead grass (*Elymus caput-medusae*).

# 4.1.3 Riparian Woodland

The riparian woodland is located along the western boundary of the Study Area along Little Sandy Creek, which is a seasonal creek. The riparian woodland has a relatively open canopy of Valley oak (*Quercus lobata*), interior live oak (*Quercus wislizenii*), gray pine (*Pinus sabiniana*), and Fremont's cottonwood (*Populus fremontii*). The open understory is made up of herbaceous grasses and herbs, such as Italian ryegrass (*Festuca perennis*), Bermuda grass (*Cynodon dactylon*), miner's lettuce (*Claytonia perfoliata*), hedge parsley (*Torilis* spp.), chicory (*Cichorium intybus*), and rough cockle-bur (*Xanthium strumarium*).

# 4.1.4 Disturbed/Developed

The disturbed/developed habitat consists of the paved areas, school grounds, buildings, and landscape within the Study Area. Trees found scattered in amongst the buildings and school grounds include blue oak (*Quercus douglasii*), gray pine, redwood (*Sequoia sempervirens*), and other horticultural species.

# 4.2 California Aquatic Resource Inventory

California Aquatic Resources Inventory (CARI) resources mapped onsite include a fluvial natural feature (CARI, San Francisco Estuary Institute [SFEI] 2017). The fluvial natural roughly correspond within Little Sandy Creek along the western boundary of the Study Area (Figure 3. *California Aquatic Resources Inventory*).

#### 4.3 Soils

According to the *Web Soil Survey* (NRCS 2019), three soil units, or types, have been mapped within the Study Area (Figure 2. *Natural Resources Conservation Service Soil Units*):

(AuB) Auberry coarse sandy loam 3 to 9 percent slopes

- (AvB) Auberry very rocky coarse sandy loam, 3 to 30 percent slopes
- (VaA) Visalia sandy loam, 0 to 3 percent slopes

VaA Visalia sandy loam, 0 to 3 percent slopes is considered a hydric soil with Hildreth inclusions in floodplains and swales; unnamed and somewhat poorly drained inclusions in depressions, drainageways, and valleys; and Foster inclusions in depressions and floodplains (NRCS 2019).

# 4.4 Aquatic Resources

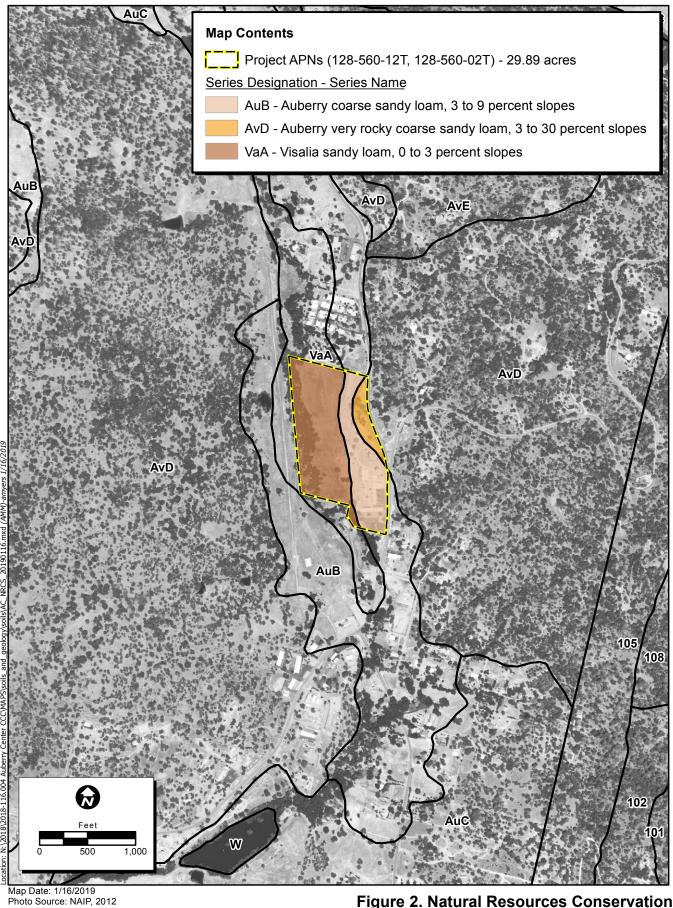
There are no aquatic resources in the old school grounds and ball field portions of the Study Area. One seasonal creek has been mapped along the western and southern boundaries of the Study Area (Figure 4. *Biological Resource Assessment*).

#### 4.4.1 Seasonal Creek

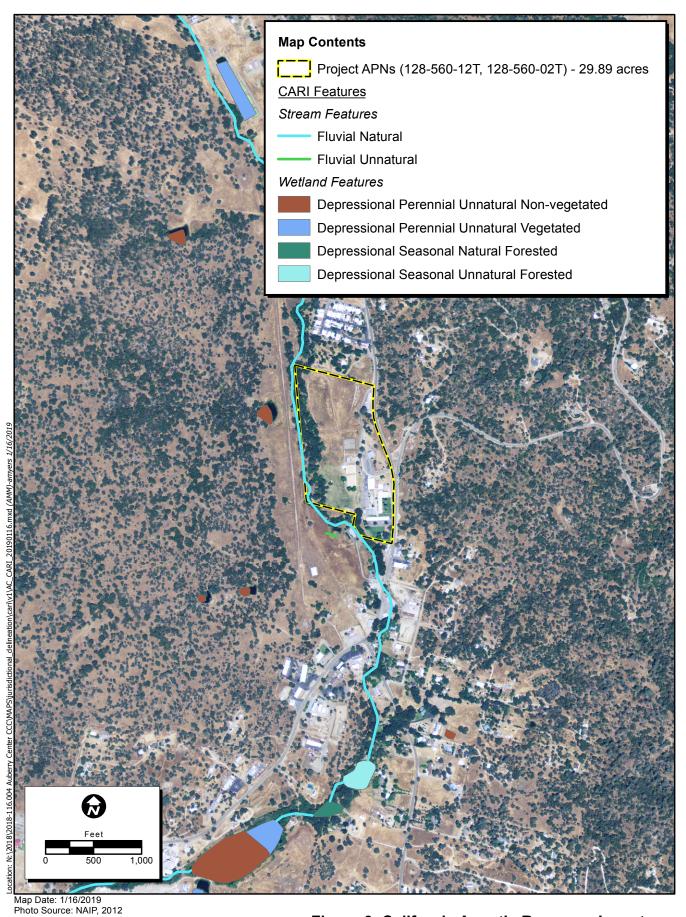
Little Sandy Creek, seasonal, has been mapped along the western boundary of the Study Area. The seasonal creek ranges from 15 to 25 feet wide and is characterized by intermittent flows during the wet season and probably dry during the dry season. The creek bed substrate is made up of sand and sediment, with scattered rock outcrops and debris tangles. The weedy or unvegetated banks range from gently sloped to steep in highly eroded reaches. There is no emergent vegetation growing in the bed of the creek.

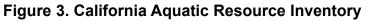
### 4.5 Wildlife

Wildlife species observed within and around the Study Area during the January 2019 reconnaissance site visits are listed in Attachment C.

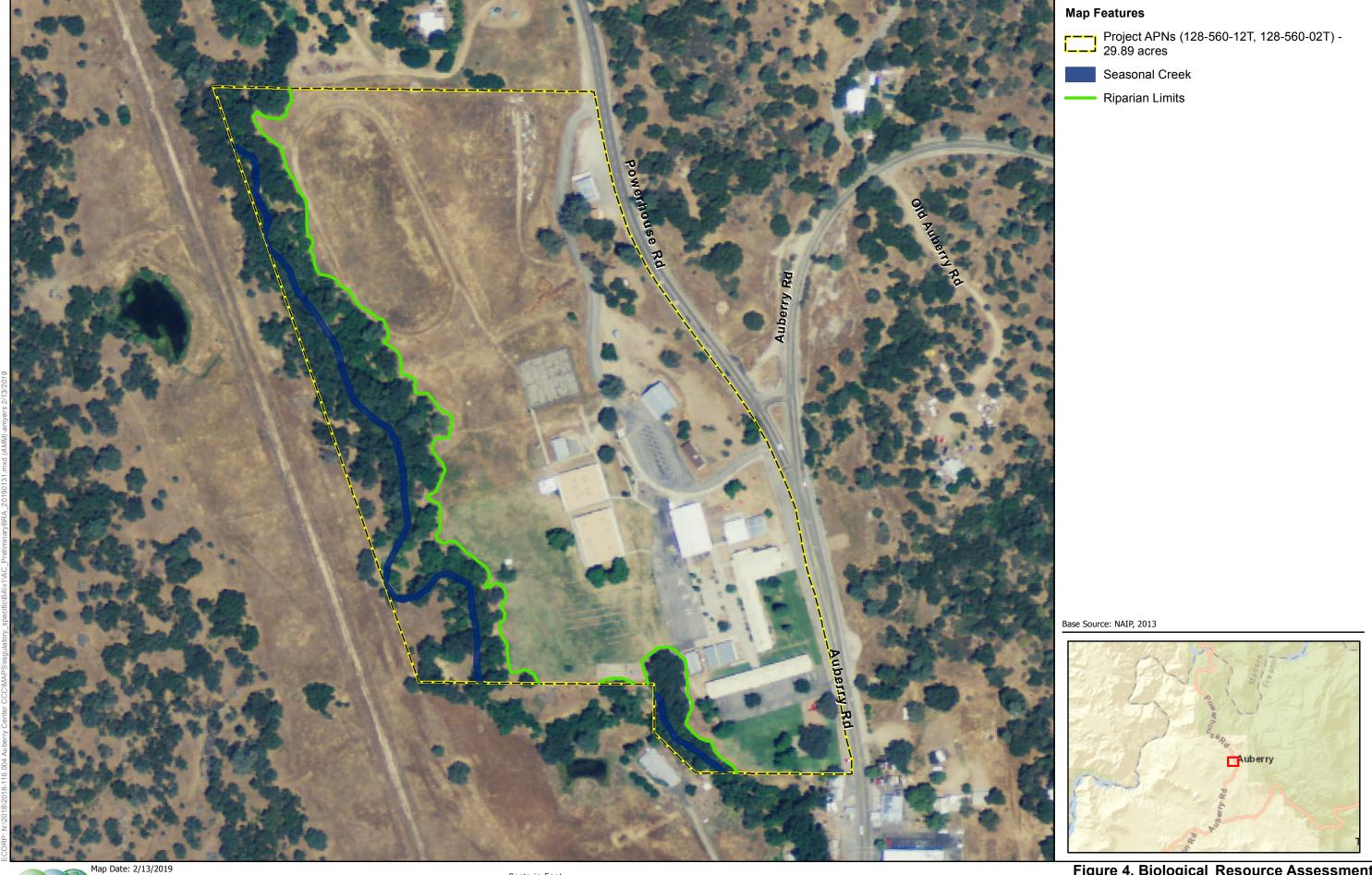














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# 4.6 Evaluation of Special-Status Species

Based on the literature review, database queries, and reconnaissance site visit, the Study Area contains habitat for several special-status plant and animal species. Descriptions of each of these species that were evaluated are listed in Table 1, and descriptions are provided in the following sections. Species that were considered to be Absent from the Study Area due to the lack of suitable habitat, or because the known distribution of the species does not include the Study Area vicinity, are not discussed further in this document.

Table 1. Potentially Occurring Special-Status Species								
		Status						
Common Name (Scientific Name)	ESA	CESA/ SA NPPA Other Habit		Habitat Description	Survey Period	Potential To Occur On-Site		
Plants								
Abram's onion (Allium abramsii)	-	-	1B.2	Lower montane coniferous forest; upper montane coniferous forest/often granitic sand (2,904'-10,007')	May-July	Absent. No suitable habitat present onsite.		
Mariposa pussypaws (Calyptridium pulchellum)	FT	ı	1B.1	Chaparral; cismontane woodland/sandy or gravelly, granitic (1,312'-3,609')	April-August	Absent. No suitable habitat present onsite.		
Mono Hot Springs evening- primrose  (Camissonia sierra ssp. alticola)	-	•	1B.2	Lower montane coniferous forest; upper montane coniferous forest/granitic, gravel, and sand pans (3,396'-7,907')	May-August	Absent. No suitable habitat present onsite.		
Northern meadow sedge (Carex praticola)	-	-	2B.2	Meadows and seeps (mesic) (0'-10,499')	May-July	Absent. No suitable habitat present onsite.		
Tree-anemone (Carpenteria californica)	-	СТ	1B.2	Chaparral; cismontane woodland/usually granitic (1,115'-4,396')	May-July	Potential to occur.		
Succulent Owl's Clover  (Castilleja campestris ssp. succulenta)	FT	CE	1B.2	Vernal pools, often in acidic environments. (164'–2,461').	April–May	Absent. No suitable habitat present onsite.		
Rawson's flaming-trumpet (Collomia rawsonia)	-	-	1B.2	Lower montane coniferous forest; meadows and seeps; riparian forests/mesic (2,559'-7,218')	July-August	Low potential to occur. Riparian woodland onsite provides suitable habitat for this species. Project site is slightly lower than known elevation range.		
Subalpine fireweed (Epilobium howellii)	_	-	4.3	Meadows and seeps; subalpine coniferous forests/mesic (6,562'-10,236')	July-August	Absent. No suitable habitat present onsite.		

Table 1. Potentially Occurring Special-Status Species									
		Status							
Common Name		CESA/			Survey	Potential To			
(Scientific Name)	ESA	NPPA	Other	Habitat Description	Period	Occur On-Site			
Tracy's eriastrum (Eriastrum tracyi)	-	CR	3.2	Chaparral; cismontane woodland; valley and foothill grassland (1,033'-5,840')	May-July	Low Potential. Annual grassland onsite provides marginal habitat for this species.			
Spiny–Sepaled Button– Celery (Eryngium spinosepalum)	_	_	1B.2	Vernal pools and valley and foothill grassland (262'–3,199').	April–June	Absent. No suitable habitat present onsite.			
Kings River monkeyflower (Erythranthe acutidens)	-	-	3	Cismontane woodland; lower montane coniferous forest (1,001'-4,003')	April-July	Low potential to occur. Riparian woodland onsite provides marginal habitat for this species.			
Slender-stalked monkeyflower (Erythranthe gracilipes)	-	-	1B.2	Chaparral; cismontane woodland; lower montane coniferous forest/decomposed granitic, often in burned or disturbed areas (1,640'-4,265')		Low potential to occur. Riparian woodland onsite provides marginal habitat for this species.			
Boggs Lake hedge-hyssop (Gratiola heterosepala)	-	CE	1B.2	Marshes, swamps, lake margins, and vernal pools (33'–7,792').	April–August	Absent. No suitable habitat present onsite.			
Short-leaved hulsea (Hulsea brevifolia)	-	-	1B.2	Lower montane coniferous forest; upper montane coniferous forest/granitic or volcanic, gravelly or sandy (4,921'-10,499')	May-August	Absent. No suitable habitat present onsite.			
Yosemite ivesia (Ivesia unguiculata)	-	1	4.2	Meadows and seeps; subalpine coniferous forest; upper montane coniferous forest (4,921'-9,596')	June- September	Absent. No suitable habitat present onsite.			
Yosemite tarplant (Jensia yosemitana)	-	-	3.2	Lower montane coniferous forest, and meadows and seeps (3,937'–7,546).	May-July	Absent. No suitable habitat present onsite.			
Madera leptosiphon (Leptosiphon serrulatus)	-	-	1B.2	Cismontane woodland; lower montane coniferous forest (984'-4,265')	April-May	Low potential to occur. Riparian woodland onsite provides marginal habitat for this species.			
Yosemite lewisia (Lewisia disepala)	-	-	1B.2	Lower montane coniferous forest; pinyon and juniper woodland; upper montane coniferous forest/granitic, sandy (3,396'-11,483')	March-June	Absent. No suitable habitat present onsite.			

Common Name (Scientific Name)			Other	Habitat Description	Survey Period	Potential To Occur On-Site
Orange lupine (Lupinus citrinus var. citrinus)	-	1	1B.2	Granitic substrates in chaparral, cismontane woodland, and lower montane coniferous forest (1,246'–5,577').	April–July	Low potential to occur. Riparian woodland onsite provides marginal habitat for this species.
San Joaquin valley Orcutt grass (Orcuttia inaequalis)	FT	CE	1B.1	Vernal pools (33'–2,477').	April– September	Absent. No suitable habitat present onsite.
Yosemite popcornflower  (Plagiobothrys torreyi var. torreyi)	-	-	1B.2	Lower montane coniferous forest; meadows and seeps (3,937'-4,495')	April-June	Absent. No suitable habitat present onsite.
Keck's checkerbloom (Sidalcea keckii)	FE	-	1B.1	Serpentinite and clay soils within cismontane woodland and valley and foothill grasslands (246'–2,133').	April–May	Absent. No suitable habitat present onsite.
Oval-leaved viburnum (Viburnum ellipticum)	-	-	2B.3	Chaparral, cismontane woodland, and lower montane coniferous forest communities (705'–4,593).	May-June	Low potential to occur. Riparian woodland onsite provides marginal habitat for this species.
Grey–leaved violet (Viola pinetorum ssp. grisea)	-	-	1B.3	Meadows and seeps; subalpine coniferous forest; upper montane coniferous forest (4,921'-11,155')	April-June	Absent. No suitable habitat present onsite.

# 4.6.1 Special-Status Plants

Eight special-status plant species were determined to have the potential to occur within the Study Area based on the literature review and habitats/vegetation communities found during the field reconnaissance. Brief descriptions of these species are presented below.

#### Tree-anemone

Tree-anemone (*Carpenteria california*) is is not listed pursuant to the federal ESA, listed as threatened pursuant to the California ESA, and is designated as a CRPR 1B.2 species. This species is perennial evergreen shrub that occurs on usually granitic substrates in chaparral and cismontane woodland (CNPS 2019). Tree-anemone blooms from May through July and is known to occur at elevations ranging from 1,115 to 4,396 feet above MSL (CNPS 2019). Tree-anemone is endemic to California; the current range of this species includes Fresno and Madera counties (CNPS 2019).

There is one CNDDB occurrence located approximately one mile from the Study Area (CDFW 2019). The riparian woodland represents potential habitat for this plant species.

# Rawson's Flaming-trumpet

Rawson's flaming-trumpet (*Collomia rawsoniana*) is not listed pursuant to the federal or California ESAs, but is designated as a CRPR 1B.2 species. This species is a perennial rhizomatous herb that occurs in mesic areas in lower montane coniferous forest, meadows and seeps, and riparian forest (CNPS 2019). Rawson's flaming-trumpet blooms from July through August and is known to occur at elevations ranging from 2,559 to 7,218 feet above MSL (CNPS 2019). Rawson's flaming-trumpet is endemic to California; the current range of this species includes Madera County (CNPS 2019).

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland provides marginal habitat for this plant species.

# Tracy's Eriastrum

Tracy's eriastrum (*Eriastrum tracyi*) is not listed pursuant to the federal ESA, is listed as rare pursuant to the California ESA, and is designated as a CRPR 3.2 species. This species is an herbaceous annual that occurs in chaparral, cismontane woodland, and valley and foothill grassland (CNPS 2019). Tracy's eriastrum blooms from May through July and is known to occur at elevations ranging from 1,033 to 5,840 feet above MSL (CNPS 2019). Tracy's eriastrum is endemic to California; the current range of this species includes Colusa, Fresno, Glenn, Kern, Lake, Santa Clara, Shasta, Stanislaus, Tehama, Trinity, and Tulare counties (CNPS 2019).

The nearest CNDDB occurrence of this species is approximately two miles from the Study Area (CDFW 2019). The riparian woodland provides marginal habitat for this plant species.

### **Kings River Monkeyflower**

Kings River monkeyflower (*Erythranthe acutidens*) is not listed pursuant to the federal or California ESAs, but is designated as a CRPR 3 species. This species is an herbaceous annual that occurs in cismontane woodland and lower montane coniferous forest (CNPS 2019). Kings River monkeyflower blooms from April through July and is known to occur at elevations ranging from 1,001 to 4,003 feet above MSL (CNPS 2019). Kings River monkeyflower is endemic to California; the current range of this species includes Fresno, Madera, and Tulare counties (CNPS 2019).

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland provides marginal habitat for this plant species.

### Slender-stalked Monkeyflower

Slender-stalked monkeyflower (*Erythranthe gracilipes*) is not listed pursuant to the federal or California ESAs, but is designated as a CRPR 1B.2 species. This species is an herbaceous annual that occurs on decomposed granite substrates in chaparral, cismontane woodland, and lower montane coniferous forest (CNPS 2019). Slender-stalked monkeyflower blooms from April through June and is known to occur at

elevations ranging from 1,640 to 4,265 feet above MSL (CNPS 2019). Slender-stalked monkeyflower is endemic to California; the current range of this species includes Fresno, Madera, and Mariposa counties (CNPS 2019).

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland provides marginal habitat for this plant species.

### Madera Leptosiphon

Madera leptosiphon (*Limosella serrulatus*) is not listed pursuant to either the federal or California ESAs, but is designated as a CRPR 1B.2 species. This species is an herbaceous annual that occurs in cismontane woodland and lower montane coniferous forest (CNPS 2019). Madera leptosiphon blooms between April and May and is known to occur at elevations ranging from 984 to 4,265 feet above MSL (CNPS 2019). Madera leptosiphon is endemic to California; its current range includes Fresno, Kern, Madera, Mariposa and Tulare counties (CNPS 2019).

The nearest CNDDB occurrence is approximately four miles from the Study Area (CDFW 219). The riparian woodland provides marginal habitat for this plant species.

# **Orange Lupine**

Orange lupine (*Lupinus citrinus* var. *citrinus*) is not listed pursuant to either the federal or California ESAs, but is designated as a CRPR 1B.2 species. This species is an herbaceous annual that occurs in granitic soils in chaparral, cismontane woodland, and low montane coniferous forest (CNPS 2019). Orange lupine blooms between April and July and is known to occur at elevations ranging from 1,246 to 5,577 feet above MSL (CNPS 2019). Orange lupine is endemic to California; its current range includes Fresno and Madera counties (CNPS 2019).

There is one CNDDB occurrence of less than one mile from the Study Area (CDFW 2019). The riparian woodland provides marginal habitat for this plant species.

#### **Oval-Leaved Viburnum**

Oval-leaved viburnum (*Viburnum ellipticum*) is not listed pursuant to either the federal or California ESAs, but is designated as a CRPR 2B.3 species. This species is a perennial deciduous shrub that occurs in chaparral, cismontane woodland, and lower montane coniferous forest communities. Oval-leaved viburnum blooms from May through June and is known to occur at elevations ranging from 705 to 4,593 feet above MSL (CNPS 2019). The current range of this species in California includes Alameda, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Lake, Mendocino, Mariposa, Napa, Placer, Shasta, Solano, Sonoma, and Tehama counties (CNPS 2019).

The nearest CNDDB occurrence is approximately three miles from the Study Area (CDFW 2019). The riparian woodland provides marginal habitat for this plant species.

#### 4.6.2 Invertebrates

There are no potentially occurring special-status invertebrates for the Study Area based on the literature review and site reconnaissance.

#### 4.6.3 Fish

There are no potentially occurring special-status fish for the Study Area based on the literature review and site reconnaissance.

# 4.6.4 Amphibians

One special-status amphibian was determined to have the potential to occur within the Study Area based on the literature review and site reconnaissance. A brief description of this species is presented below.

# **Foothill Yellow-Legged Frog**

The foothill yellow-legged frog (*Rana boylii*) has been proposed for listing as threatened under the California ESA and is an SSC. Their distribution includes the Coast Ranges, from the Oregon border south to the Transverse Mountains in Los Angeles County, west of the Cascade crest in most of northern California, and in the Sierra Nevada foothills south to Kern County, from sea level to 6,000 feet (Stebbins, 1985). Foothill yellow-legged frogs occupy rocky streams in valley-foothill hardwood, valley-foothill hardwood-conifer, valley-foothill riparian, ponderosa pine, mixed conifer, coastal scrub, mixed chaparral, and wet meadow plant communities. They are rarely found far from water and will often dive into water to take refuge under rocks or sediment when disturbed (Zeiner et al., 1988).

There is one documented CNDDB occurrences of this species located approximately five miles north of the Study Area (CDFW 2019). The sand and sediment substrate of Little Sandy Creek is not high quality habitat for this species. However, this site reconnaissance and literature review cannot preclude the potential of occurrence for foothill yellow-legged frog within the Study Area.

#### 4.6.5 Reptiles

One special-status reptile was determined to have the potential to occur within the Study Area based on the literature review and site reconnaissance. A brief description of this species is presented below.

#### **Northern Western Pond Turtle**

The northern western pond turtle (*Actinemys marmorata*) is not listed pursuant to either the federal or California ESAs; however, it is designated as a SSC. Western pond turtles occur in a variety of fresh and brackish water habitats including marshes, lakes, ponds, and slow moving streams (Jennings and Hayes 1994). This species is primarily aquatic; however, they typically leave aquatic habitats in the fall to reproduce and to overwinter (Jennings and Hayes 1994). Deep, still water with abundant emergent woody debris, overhanging vegetation, and rock outcrops is optimal for basking and thermoregulation. Although adults are habitat generalists, hatchlings and juveniles and hatchlings require shallow edgewater with relatively dense submergent or short emergent vegetation in which to forage.

Western pond turtles are typically active between March and November. Mating generally occurs during late April and early May and eggs are deposited between late April and early August (Jennings and Hayes 1994). Eggs are deposited within excavated nests in upland areas, with substrates that typically have high clay or silt fractions (Jennings and Hayes 1994). The majority of nesting sites are located within 650 feet (200 meters) of the aquatic sites; however, nests have been documented as far as 1,310 feet (400 meters) from the aquatic habitat.

There are three CNDDB occurrences of western pond turtle within five miles of the Study Area, with the closest approximately one mile to the north (CDFW 2019). While Little Sandy Creek is a seasonal creek, the potential for western pond turtle occurrence within the Study Area cannot be ruled out.

#### 4.6.6 Birds

Fifteen special-status bird species were determined to have the potential to occur within the Study Area based on the literature review. However, after the site reconnaissance, it was determined that suitable habitat is present for two special-status birds, Nuttall's woodpecker (*Dryobates nuttallii*) and oak titmouse (*Baeolophus inornatus*). Both of these species are not listed but are considered USFWS BCCs. While not considered special-status, as defined, all raptors, including common species, are protected under the California Fish and Game Code, and all naturally occurring migratory birds, including common species, are protected under the MBTA.

# **Nuttall's Woodpecker**

The Nuttall's woodpecker is not listed and protected under either federal or state ESAs, but is considered a USFWS BCC. They are resident from Siskiyou County south to Baja California. Nuttall's woodpeckers nest in tree cavities primarily within oak woodlands, but also can be found in riparian woodlands (Lowther 2000). Breeding occurs during April through July.

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland onsite supports suitable nesting habitat for this species.

#### Oak Titmouse

Oak titmouse are not listed and protected under either federal or state ESAs, but are considered a USFWS BCC. Oak titmouse breeding range includes southwestern Oregon south through California's Coast, Transverse and Peninsular ranges, western foothills of the Sierra Nevada, into Baja California; they are absent from the humid northwestern coastal region and the San Joaquin Valley (Cicero et al. 2017). They are found in dry oak or oak-pine woodlands, but may also use scrub oaks or other brush near woodlands (Cicero et al. 2017). Nesting occurs during March through July.

There are no CNDDB occurrences of this species within five miles of the Study Area (CDFW 2019). However, the riparian woodland onsite supports suitable nesting habitat for this species.

#### **MBTA Birds and Raptors**

Potential bird nesting habitat found within the Study Area includes, but is not limited to, the trees within the riparian woodland, the annual grassland, trees and shrubs in amongst the abandoned school buildings, exposed gaps and crevices on the abandoned buildings.

#### 4.6.7 Mammals

Three special-status mammal species were determined to have potential to occur within the Study Area based on the literature review and site reconnaissance. Brief descriptions of these species are presented below.

#### **Greater Mastiff Bat**

The greater mastiff bat (*Eumops perotis californicus*) is not listed pursuant to either the California or federal ESAs; however, this species is considered an SSC by CDFW. The greater mastiff bat is the largest North American molossid (free-tailed bat) with a forearm length of 73-83 mm. This species has a disjunct distribution and ranges from central Mexico across the southwestern United States, and throughout California to within a few miles of the Oregon border. The greater mastiff bat can be found in a variety of habitats, including desert scrub, chaparral, oak woodland, the ponderosa pine belt, and at high elevation meadows and mixed conifer forests. This species is primarily a cliff-dwelling species and roosting colonies are generally found under exfoliating rock slabs. Roosts have also been identified in similar crevices in large boulders and buildings. Foraging has been documented as high as 2000 feet above the ground, although 100 to 200 feet is more typical. This species is most commonly encountered in open broad open areas including dry desert washes, flood plains, chaparral, oak woodland, open ponderosa pine forest, grassland, and agricultural areas. The diet of the greater mastiff bat consists primarily of moths, but also includes beetles, crickets, and katydids (Western Bat Working Group [WBWG] 2019).

There are three documented CNDDB occurrences of this species located within five miles of the Study Area (CDFW 2019). Some of the building within the Study Area represent potential roost sites. Pallid bat has potential to occur within the Study Area.

#### **Pallid Bat**

The pallid bat (Antrozous pallidus) is not listed pursuant to either the federal or California ESAs; however, this species is considered an SSC by CDFW. The pallid bat is a large, light-colored bat with long, prominent ears and pink, brown, or grey wing and tail membranes. This species ranges throughout North America from the interior of British Columbia, south to Mexico, and east to Texas. The pallid bat inhabits low elevation (below 6,000 feet) rocky arid deserts and canyonlands, shrub-steppe grasslands, karst formations, and higher elevation coniferous forest (above 7,000 feet). This species roosts alone or in groups in the crevices of rocky outcrops and cliffs, caves, mines, trees, and in various human structures such as bridges, and barns. Pallid bats are feeding generalists that glean a variety of arthropod prey from surfaces as well as capturing insects on the wing. Foraging occurs over grasslands, oak savannahs, ponderosa pine forests, talus slopes, gravel roads, lava flows, fruit orchards, and vineyards. Although this

species utilizes echolocation to locate prey, often they use only passive acoustic cues. This species is not thought to migrate long distances between summer and winter sites (WBWG 2019).

There are no documented CNDDB occurrences of this species located within five miles of the Study Area (CDFW 2019). However, some of the structures within the Study Area represent potential hibernacula. Pallid bat has potential to occur within the Study Area.

#### Townsend's Big-Eared Bat

The Townsend's big-eared bat (*Corynorhinus townsendii*) is not listed pursuant to either the federal or California ESAs; however, this species is considered an SSC by CDFW. Townsend's big-eared bat is a fairly large bat with prominent bilateral noes lumps and large "rabbit-like" ears. This species occurs throughout the west and ranges from the southern portion of British Columbia south along the Pacific coast to central Mexico and east into the Great Plains. This species has been reported from a wide variety of habitat types and elevations from sea level to 10,827 feet. Habitats used include coniferous forests, mixed meso-phytic forests, deserts, native prairies, riparian communities, active agricultural areas, and coastal habitat types. Its distribution is strongly associated with the availability of caves and cave-like roosting habitat including abandoned mines, buildings, bridges, rock crevices, and hollow trees. This species is readily detectable when roosting due to their habit of roosting pendant-like on open surfaces. Townsend's big-eared bat is a moth specialist with more than 90 percent of its diet composed of Lepidopterans. Foraging habitat is generally edge habitats along streams adjacent to and within a variety of wooded habitats. This species often travels long distances when foraging and large home ranges have been documented in California (WBWG 2019).

There are no documented CNDDB occurrences of this species located within five miles of the Study Area (CDFW 2019). However, some of the structures within the Study Area represent potential hibernacula. Townsend's big-eared bat has potential to occur within the Study Area.

# 4.7 Wildlife Movement/Corridors

The Study Area is located in rural Auberry, Fresno County, California and is the site of an abandoned school. The school buildings remain intact, albeit shuttered. These areas do not support significant wildlife use due to the disturbed nature of the habitats. However, Little Sandy Creek and associated riparian corridor supports a moderate to high likelihood of wildlife use, particularly now that the school has been abandoned. This area is proposed for preservation, so no impacts to wildlife movement are expected.

#### 4.8 Sensitive Natural Communities

There are no sensitive natural communities identified within the Study Area.

# 4.9 Trees

An arborist survey has not been conducted for the Study Area. However, there are scattered oak (*Quercus* spp.) trees within the school grounds, and also in the riparian woodland along Little Sandy Creek.

#### 5.0 RECOMMENDATIONS

The following Mitigation Measures are recommended prior to Project implementation in order to mitigate impacts on biological resources.

# Aquatic Resources/Waters of the U.S.

No impacts to the seasonal creek are anticipated. No Clean Water Act Section 404 permitting is anticipated.

# **CDFW 1602 Streambed Alteration Agreement**

The Project is implementing a 100-foot setback from Little Sandy Creek. No impacts to riparian vegetation or the seasonal creek are anticipated. A CDFW 1602 Streambed Alteration Agreement is not anticipated.

# **Special-Status Plants**

There is suitable habitat within the Project site for eight special-status plant species. The riparian corridor associated with Little Sandy Creek is the only vegetation community/habitat onsite that supports potential habitat for these species. Since there are no proposed impacts to the riparian woodland, no special-status plant surveys are recommended.

# **Special-Status Amphibians**

Marginally suitable upland habitat for one special-status amphibian species, foothill yellow-legged frog, is present within the Project site. The following measures are recommended to minimize potential impacts to the foothill yellow-legged frog:

Conduct a preconstruction clearance survey for foothill yellow-legged frog within 48 hours of the start of construction. If foothill yellow-legged frogs are observed, work would not proceed until consultation with CDFW has taken place, and avoidance measures (such as exclusionary fencing and biological monitoring) would likely be required.

### **Special-Status Reptiles**

Marginally suitable upland habitat for one special-status reptile species, northern western pond turtle, is present within the Project site. The following measures are recommended to minimize potential impacts to the northern western pond turtle:

Conduct a preconstruction clearance survey for northern western pond turtle within 48 hours of the start of construction. If northern western pond turtles are observed in the construction zone, a qualified biologist shall relocate the turtle to a location away from the construction zone.

#### **Special-Status Birds**

Suitable nesting habitat for two special-status bird species is present within the Study Area. If nesting individuals are present during construction, the Project could result in harassment to nesting individuals and may temporarily disrupt foraging activities.

In addition to the above-listed special-status birds, all native birds, including raptors, are protected under the California Fish and Game Code and the federal MBTA. As such, to ensure that there are no impacts to active nests, the following mitigation measures are recommended:

- Conduct a preconstruction nesting raptor and bird survey of all suitable habitat on the Project site within 14 days of the commencement of construction during the nesting season (February 1 August 31). Where accessible, surveys should be conducted within 300 feet of the Project site for nesting raptors and within 100 feet of the Project site for nesting birds.
- If active nests are found, a no-disturbance buffer around the nest shall be established. The buffer distance shall be established by a qualified biologist in consultation with CDFW. The buffer shall be maintained until the fledglings are capable of flight and become independent of the nest tree, to be determined by a qualified biologist. Once the young are independent of the nest, no further measures are necessary. Pre-construction nesting surveys are not required for construction activity outside the nesting season.

# **Special-Status Mammals**

Suitable habitat for three special-status mammal species is present within the Project site. To ensure that these species are not impacted by Project activities, the following measures are recommended:

Conduct preconstruction roosting bat surveys for all suitable roosting habitat (i.e., trees and manmade structures) prior to construction activities. If suitable roosting habitat is identified, a qualified biologist will conduct an evening bat emergence survey that may include acoustic monitoring to determine whether or not bats are present. If bats are found, consultation with CDFW prior to initiation of disturbance of suitable roosting habitat will be required. If bats are not found during the preconstruction surveys, no further measures will be necessary.

#### **Oak Trees**

There are numerous oak trees in the riparian corridor of Little Sandy Creek. This area will be preserved, and no impacts to these trees are anticipated. There are scattered oak trees within the existing school grounds. If any oak trees are proposed for removal, mitigation for impacts to the loss of oak trees could be accomplished through adherence to the Fresno County Oak Woodlands Management Guidelines (Fresno County General Plan Policy OS-F.10).

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# **LIST OF ATTACHMENTS**

Attachment A – Database Search Results

Attachment B – Representative Site Photographs

Attachment C –Wildlife Observed Onsite

# ATTACHMENT A

**Database Search Results** 



# Inventory of Rare and Endangered Plants - 7th edition nterface

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Status: search results - Tue, Jan. 15, 2019 18:01 ET c

 $\{QUADS\ 123\} = \ m/397C|377A|377B|398D|398A|378A|397D|397A|397B/$ Search Tip: Want to search by county? Try the county index.[all tips and help.][search history]

Your Quad Selection: Auberry (397C) 3711914, Trimmer (377A) 3611983, Humphreys Station (377B) 3611984, Millerton Lake East (398D) 3711915, North Fork (398A) 3711925, Academy (378A) 3611985, Shaver Lake (397D) 3711913, Musick Mountain (397A) 3711923, Cascadel Point (397B) 3711924

#### Hits 1 to 23 of 23

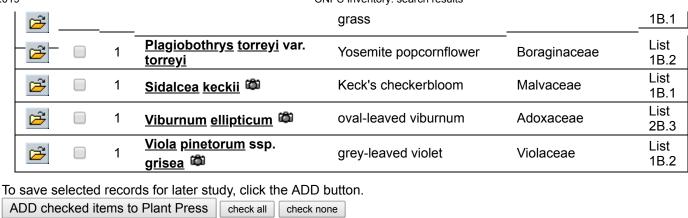
Requests that specify topo quads will return only Lists 1-3.

To save selected records for later study, click the ADD button.

ADD checked items to Plant Press | check all | check none

Selections will appear in a new window.

open	save	hits	scientific	common	family	CNPS
<b>≅</b>		1	Allium abramsii	Abram's onion	Alliaceae	List 1B.2
		1	Calyptridium pulchellum	Mariposa pussypaws	Montiaceae	List 1B.1
<b>⁴</b>		1	Camissonia <u>sierrae</u> ssp. <u>alticola</u>	Mono Hot Springs evening-primrose	Onagraceae	List 1B.2
<b>™</b>		1	Carex praticola	northern meadow sedge	Cyperaceae	List 2B.2
<sup>™</sup>		1	Carpenteria californica	tree-anemone	Hydrangeaceae	List 1B.2
<sup>™</sup>		1	<u>Castilleja campestris</u> var. <u>succulenta</u>	succulent owl's-clover	Orobanchaceae	List 1B.2
Č		1	Collomia rawsoniana	Rawson's flaming-trumpet	Polemoniaceae	List 1B.2
Č		1	Eriastrum tracyi	Tracy's eriastrum	Polemoniaceae	List 3.2
		1	Eryngium spinosepalum	spiny-sepaled button- celery	Apiaceae	List 1B.2
		1	Erythranthe acutidens	Kings River monkeyflower	Phrymaceae	List 3
<b>⁴</b>		1	Erythranthe gracilipes	slender-stalked monkeyflower	Phrymaceae	List 1B.2
<b>¹∆</b>		1	Gratiola heterosepala 简	Boggs Lake hedge-hyssop	Plantaginaceae	List 1B.2
<b>△</b>		1	Hulsea brevifolia 🕮	short-leaved hulsea	Asteraceae	List 1B.2
<b>△</b>		1	Jensia yosemitana 🕮	Yosemite tarplant	Asteraceae	List 3.2
<b>¹∆</b>		1	Leptosiphon serrulatus	Madera leptosiphon	Polemoniaceae	List 1B.2
<b>⁴</b>		1	Lewisia disepala 🕮	Yosemite lewisia	Montiaceae	List 1B.2
Ğ <mark>.</mark>		1	Lupinus citrinus var.	orange lupine	Fabaceae	List 1B.2
<b>≧</b>		1	Mielichhoferia shevockii	Shevock's copper moss	Mielichhoferiaceae	List 1B.2
		1	Orcuttia inaequalis	San Joaquin Valley Orcutt	Poaceae	List



Selections will appear in a new window.

No more hits.





# **Selected Elements by Element Code**

# California Department of Fish and Wildlife California Natural Diversity Database



#### Query Criteria:

Quad<span style='color:Red'> IS </span>(Auberry (3711914)<span style='color:Red'> OR </span>Trimmer (3611983)<span style='color:Red'> OR </span>Humphreys Station (3611984)<span style='color:Red'> OR </span>Millerton Lake East (3711915)<span style='color:Red'> OR </span>North Fork (3711925)<span style='color:Red'> OR </span>Academy (3611985)<span style='color:Red'> OR </span>Shaver Lake (3711913)<span style='color:Red'> OR </span>Musick Mtn. (3711923)<span style='color:Red'> OR </span>Cascadel Point (3711924))

Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
AAAAA01180	_ ·	Threatened	Threatened	G2G3	S2S3	WL
AAAAAUTTOU	Ambystoma californiense  California tiger salamander	rnieatened	rniealeneu	G2G3	3233	VVL
AAABH01050	Rana boylii	None	0	G3	S3	SSC
AAABHU1030	foothill yellow-legged frog	None	Candidate Threatened			330
AAABH01340	Rana sierrae	Endangered	Threatened	G1	S1	WL
AAABI 101340	Sierra Nevada yellow-legged frog	Lituarigereu	rineateneu	Gi	31	VVL
ABNKC01010	Pandion haliaetus	None	None	G5	S4	WL
7.5111.601010	osprey	110110	110110	<b>.</b>	0.	***
ABNKC10010	Haliaeetus leucocephalus	Delisted	Endangered	G5	S3	FP
	bald eagle					
ABNKC12060	Accipiter gentilis	None	None	G5	S3	SSC
	northern goshawk					
ABNKC22010	Aquila chrysaetos	None	None	G5	S3	FP
	golden eagle					
ABNKD06090	Falco mexicanus	None	None	G5	S4	WL
	prairie falcon					
ABNSB12040	Strix nebulosa	None	Endangered	G5	S1	
	great gray owl					
ABPAE33040	Empidonax traillii	None	Endangered	G5	S1S2	
	willow flycatcher					
ABPBXB0020	Agelaius tricolor	None	Candidate	G2G3	S1S2	SSC
	tricolored blackbird		Endangered			
AMACC01020	Myotis yumanensis	None	None	G5	S4	
	Yuma myotis					
AMACC01070	Myotis evotis	None	None	G5	S3	
	long-eared myotis				0.0	
AMACC01090	Myotis thysanodes	None	None	G4	S3	
AMACCO1110	fringed myotis	None	None	CE	Co	
AMACC01110	Myotis volans long-legged myotis	None	None	G5	S3	
AMACC07010	Euderma maculatum	None	None	G4	<b>S</b> 3	SSC
AWAGGOTOTO	spotted bat	None	None	04	00	000
AMACC08010	Corynorhinus townsendii	None	None	G3G4	S2	SSC
12 2000.0	Townsend's big-eared bat				<del></del>	
AMACC10010	Antrozous pallidus	None	None	G5	S3	SSC
	pallid bat					
AMACD02011	Eumops perotis californicus	None	None	G5T4	S3S4	SSC
	western mastiff bat					



# **Selected Elements by Element Code**

# California Department of Fish and Wildlife California Natural Diversity Database



Element Code	Species	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
AMAJA03012	Vulpes vulpes necator	Candidate	Threatened	G5T1T2	S1	
	Sierra Nevada red fox					
AMAJA03041	Vulpes macrotis mutica	Endangered	Threatened	G4T2	S2	
	San Joaquin kit fox	· ·				
AMAJF01014	Martes caurina sierrae	None	None	G5T3	S3	
	Sierra marten					
AMAJF01021	Pekania pennanti	None	Threatened	G5T2T3Q	S2S3	SSC
	fisher - West Coast DPS					
AMAJF04010	Taxidea taxus	None	None	G5	S3	SSC
	American badger					
ARAAD02030	Emys marmorata	None	None	G3G4	S3	SSC
	western pond turtle					
CARA2421CA	Central Valley Drainage Resident Rainbow Trout Stream	None	None	GNR	SNR	
	Central Valley Drainage Resident Rainbow Trout Stream					
CARA2422CA	Central Valley Drainage Rainbow Trout/Cyprinid Stream	None	None	GNR	SNR	
	Central Valley Drainage Rainbow Trout/Cyprinid Stream					
CARA2443CA	Central Valley Drainage Hardhead/Squawfish Stream	None	None	GNR	SNR	
	Central Valley Drainage Hardhead/Squawfish Stream					
CTT44131CA	Northern Basalt Flow Vernal Pool  Northern Basalt Flow Vernal Pool	None	None	G3	S2.2	
ICBRA03030	Branchinecta lynchi	Threatened	None	G3	S3	
1000040	vernal pool fairy shrimp			0000	0000	
CBRA06010	Linderiella occidentalis  California linderiella	None	None	G2G3	S2S3	
ICBRA10010	Lepidurus packardi	Endangered	None	G4	S3S4	
	vernal pool tadpole shrimp					
ICMAL34020	Calasellus longus	None	None	G1	S1	
	An isopod					
IICOL48011	Desmocerus californicus dimorphus valley elderberry longhorn beetle	Threatened	None	G3T2	S2	
IICOL4C030	Lytta molesta molestan blister beetle	None	None	G2	S2	
IILEM44040		None	None	C1	C1	
IIHEM14010	Oravelia pege  Dry Creek cliff strider bug	None	None	G1	S1	
IIHYM24480	Bombus crotchii	None	None	G3G4	S1S2	
/ 1 1412 7700	Crotch bumble bee	. 10110	110110	JUJ7	0102	
IIHYM72010	Chrysis tularensis	None	None	G1G2	S1S2	
	Tulare cuckoo wasp			J.JL	J.J_	
LARAU8050	Calicina dimorphica	None	None	G1	S1	
	Watts Valley harvestman					



# **Selected Elements by Element Code**

# California Department of Fish and Wildlife California Natural Diversity Database



Flamout Oads	0	Fadaral Otatua	0/-/- 0/-/	Olahai Basila	Otata Baula	Rare Plant Rank/CDFW
Element Code	Species	Federal Status	State Status	Global Rank	State Rank	SSC or FP
PDAPI0Z0Y0	Eryngium spinosepalum spiny-sepaled button-celery	None	None	G2	S2	1B.2
PDAST4Z020	Hulsea brevifolia short-leaved hulsea	None	None	G3	S3	1B.2
PDBOR0V152	Plagiobothrys torreyi var. torreyi Yosemite popcornflower	None	None	G4T3Q	S3	1B.2
PDCPR07080	Viburnum ellipticum oval-leaved viburnum	None	None	G4G5	S3?	2B.3
PDFAB2B103	Lupinus citrinus var. citrinus orange lupine	None	None	G2T2	S2	1B.2
PDHDR04010	Carpenteria californica tree-anemone	None	Threatened	G1?	S1?	1B.2
PDMAL110D0	Sidalcea keckii  Keck's checkerbloom	Endangered	None	G2	S2	1B.1
PDONA06180	Epilobium howellii subalpine fireweed	None	None	G4	S4	4.3
PDPLM02080	Collomia rawsoniana Rawson's flaming trumpet	None	None	G2	S2	1B.2
PDPLM030C0	Eriastrum tracyi Tracy's eriastrum	None	Rare	G3Q	S3	3.2
PDPLM09130	Leptosiphon serrulatus  Madera leptosiphon	None	None	G3	S3	1B.2
PDPOR04060	Lewisia disepala Yosemite lewisia	None	None	G2	S2	1B.2
PDPOR09060	Calyptridium pulchellum Mariposa pussypaws	Threatened	None	G1	S1	1B.1
PDROS0X0N0	Ivesia unguiculata Yosemite ivesia	None	None	G3	S3	4.2
PDSCR0D3Z1	Castilleja campestris var. succulenta succulent owl's-clover	Threatened	Endangered	G4?T2T3	S2S3	1B.2
PDSCR0R060	Gratiola heterosepala  Boggs Lake hedge-hyssop	None	Endangered	G2	S2	1B.2
PDSCR1B1C0	Erythranthe gracilipes slender-stalked monkeyflower	None	None	G2	S2	1B.2
PDVIO04431	Viola pinetorum ssp. grisea grey-leaved violet	None	None	G4G5T3	S3	1B.3
PMLIL02360	Allium abramsii Abrams' onion	None	None	G3	S3	1B.2
PMPOA4G060	Orcuttia inaequalis San Joaquin Valley Orcutt grass	Threatened	Endangered	G1	S1	1B.1
	· · · · · ·				Record Coun	nt: 59

1/29/2019 IPaC: Explore Location

**IPaC** 

**U.S. Fish & Wildlife Service** 

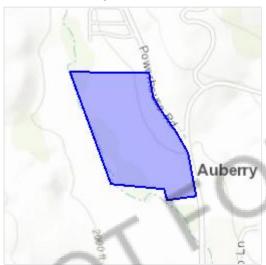
# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

# Location

Fresno County, California



# Local office

Sacramento Fish And Wildlife Office

**\( (916) 414-6600** 

**(916)** 414-6713

Federal Building 2800 Cottage Way, Room W-2605 Sacramento, CA 95825-1846

# Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

- 1. Draw the project location and click CONTINUE.
- 2. Click DEFINE PROJECT.
- 3. Log in (if directed to do so).
- 4. Provide a name and description for your project.
- 5. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the <u>Ecological Services Program</u> of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact <u>NOAA</u> <u>Fisheries</u> for <u>species under their jurisdiction</u>.

1. Species listed under the <u>Endangered Species Act</u> are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the <u>listing status page</u> for more information.

2. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

## **Mammals**

NAME STATUS

Fresno Kangaroo Rat Dipodomys nitratoides exilis

Endangered

There is **final** critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/5150">https://ecos.fws.gov/ecp/species/5150</a>

## **Amphibians**

NAME STATU!

California Red-legged Frog Rana draytonii

Threatened

There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/2891

## **Fishes**

NAME STATUS

Delta Smelt Hypomesus transpacificus

**Threatened** 

There is **final** critical habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/321">https://ecos.fws.gov/ecp/species/321</a>

# Flowering Plants

NAME STATUS

Mariposa Pussypaws Calyptridium pulchellum No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2695

Threatened

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

# Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act $\frac{1}{2}$  and the Bald and Golden Eagle Protection Act $\frac{2}{3}$ .

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links

- Birds of Conservation Concern <a href="http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php">http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php</a>
- Measures for avoiding and minimizing impacts to birds <a href="http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/">http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/</a>
   conservation-measures.php
- Nationwide conservation measures for birds <u>http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf</u>

The birds listed below are birds of particular concern either because they occur on the <u>USFWS Birds of Conservation Concern</u> (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ <u>below</u>. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the <u>E-bird data mapping tool</u> (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found <u>below</u>.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

#### Costa's Hummingbird Calypte costae

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9470">https://ecos.fws.gov/ecp/species/9470</a>

Breeds Jan 15 to Jun 10

Lawrence's Goldfinch Carduelis lawrencei

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9464

Breeds Mar 20 to Sep 20

Lewis's Woodpecker Melanerpes lewis

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9408

Nuttall's Woodpecker Picoides nuttallii

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

https://ecos.fws.gov/ecp/species/9410

Breeds Apr 1 to Jul 20

Breeds Apr 20 to Sep 30

Oak Titmouse Baeolophus inornatus

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/9656

Breeds Mar 15 to Jul 15

Rufous Hummingbird selasphorus rufus

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

https://ecos.fws.gov/ecp/species/8002

Breeds elsewhere

Spotted Towhee Pipilo maculatus clementae

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

https://ecos.fws.gov/ecp/species/4243

Breeds Apr 15 to Jul 20

Wrentit Chamaea fasciata

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Mar 15 to Aug 10

7/14

# **Probability of Presence Summary**

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

#### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

- 1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
- 2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
- 3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

#### Breeding Season (=)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

#### Survey Effort (1)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

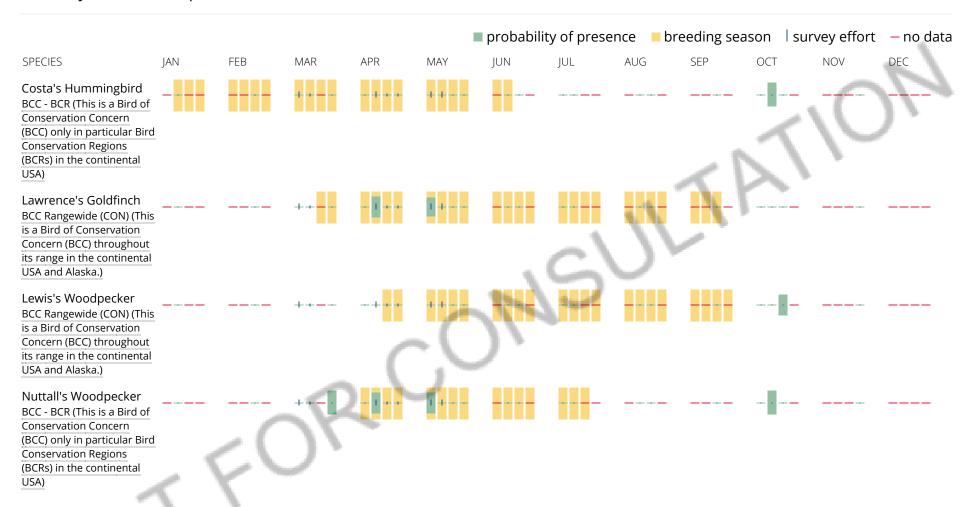
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

### No Data (-)

A week is marked as having no data if there were no survey events for that week.

#### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





#### Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

#### What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS <u>Birds of Conservation Concern (BCC)</u> and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the <u>Avian Knowledge Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a

BCC species in that area, an eagle (<u>Eagle Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the <u>E-bird Explore Data Tool</u>.

#### What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the <u>Avian Knowledge Network (AKN)</u>. This data is derived from a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u>.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

#### How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

#### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

- 1. "BCC Rangewide" birds are <u>Birds of Conservation Concern</u> (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
- 2. "BCC BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
- 3. "Non-BCC Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the <u>Eagle Act</u> requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

#### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the <u>Diving Bird Study</u> and the <u>nanotag studies</u> or contact <u>Caleb Spiegel</u> or <u>Pam Loring</u>.

#### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to <u>obtain a permit</u> to avoid violating the Eagle Act should such impacts occur.

#### Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## **Facilities**

# National Wildlife Refuge lands

Any activity proposed on lands managed by the <u>National Wildlife Refuge</u> system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

## Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

# Wetlands in the National Wetlands Inventory

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of Engineers District</u>.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

**RIVERINE** 

R4SBC

**R5UBF** 

A full description for each wetland code can be found at the National Wetlands Inventory website

**Data limitations** 

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

#### **Data exclusions**

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

#### **Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

## ATTACHMENT B

Representative Site Photographs



Grassland and School Grounds, Photo Date January 24, 2019



Little Sandy Creek, Photo Date January 24, 2019





Nonnative Annual Grassland Former Ball Field and Track, Photo Date January 24, 2019



Riparian Woodland, Photo Date January 24, 2019

## ATTACHMENT C

Wildlife Observed Onsite

# Attachment C Wildlife Observed Onsite (January 24, 2019)

Common Name	Scientific Name
Birds	
California Quail	Callipepla californica
Anna's Hummingbird	Calypte anna
Red-shouldered Hawk	Buteo lineatus
Red-tailed Hawk	Buteo jamaicensis
Acorn Woodpecker	Melanerpes formicivorus
Downy Woodpecker	Dryobates pubescens
Nuttall's Woodpecker	Dryobates nuttallii
Northern Flicker	Colaptes auratus
American Kestrel	Falco sparverius
Black Phoebe	Sayornis nigricans
California Scrub-Jay	Aphelocoma californica
American Crow	Corvus brachyrhynchos
Oak Titmouse	Baeolophus inornatus
White-breasted Nuthatch	Sitta carolinensis
Bewick's Wren	Thryomanes bewickii
Ruby-crowned Kinglet	Regulus calendula
Western Bluebird	Sialia mexicana
Phainopepla	Phainopepla nitens
Dark-eyed Junco	Junco hyemalis
White-crowned Sparrow	Zonotrichia leucophrys
Golden-crowned Sparrow	Zonotrichia atricapilla
Savannah Sparrow	Passerculus sandwichensis
Lincoln's Sparrow	Melospiza lincolnii
California Towhee	Melozone crissalis
Spotted Towhee	Pipilo maculatus
House Sparrow	Passer domesticus
Mammals	-
California ground squirrel	Spermophilus beecheyi

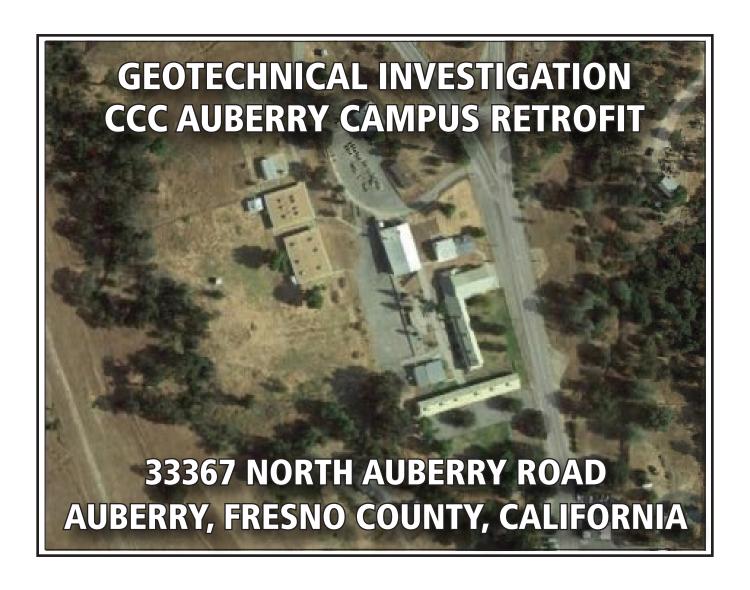
### APPENDIX C

Cultural Resources Report, ECORP Consulting, Inc. 2019. (CONFIDENTIAL – NOT INCLUDED IN PUBLIC DOCUMENT)

# This document is not included due to confidentiality

## APPENDIX D

Geotechnical Investigation, GEOCON Consultants, Inc. April 2020.



#### PREPARED FOR:

DEPARTMENT OF GENERAL SERVICES/RESD 707 3RD STREET, 4TH FLOOR, WEST SACRAMENTO, CALIFORNIA 95605



GEOCON CONSULTANTS, INC. 3160 GOLD VALLEY DRIVE, SUITE 800 RANCHO CORDOVA, CALIFORNIA 95742







#### GEOTECHNICAL . ENVIRONMENTAL . MATERIAL



Project No. S1445-05-11 April, 2020

#### DRAFT VIA ELECTRONIC MAIL

Randall Mummert Associate Civil Engineer Department of General Services/RESD 707 3rd Street, 4<sup>th</sup> Floor West Sacramento, California 95605

Subject: GEOTECHNICAL INVESTIGATION

CCC AUBERRY CAMPUS RETROFIT 33367 NORTH AUBERRY ROAD

AUBERRY, FRESNO COUNTY, CALIFORNIA

Mr. Mummert:

In accordance with Task Order No. 12 under Agreement No. 5901-C, we have prepared this geotechnical investigation report for the subject project. The project consists of retrofitting and re-developing the existing elementary school site into a new California Conservation Corps Service Center for the Fresno Region. The site is the former Auberry Elementary School campus located at 33367 North Auberry Road in Auberry, Fresno County, California.

The purpose of our study was to evaluate the subsurface conditions at the site and provide geotechnical recommendations for design and construction of the proposed improvements. In our opinion, no adverse geological or geotechnical conditions were encountered that would preclude development at the site provided recommendations of this report are incorporated into the design and construction of the project.

Please contact us if you have any questions concerning the contents of this report.

Respectfully Submitted,

GEOCON CONSULTANTS, INC.

Victor M. Guardado, EIT Senior Staff Engineer Jeremy J. Zorne, PE, GE Senior Geotechnical Engineer

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SLOPE STABILITY ANALYSES

#### GEOTECHNICAL INVESTIGATION

#### 1.0 PURPOSE AND SCOPE

This report presents the results of our geotechnical investigation for the proposed re-development of portions and conversion of the former Auberry Elementary School into a California Conservation Corps (CCC) Service Center for the Fresno Region located at 33367 North Auberry Road in Auberry, Fresno County, California. The approximate site location is shown on the Vicinity Map, Figure 1.

The purpose of our study was to evaluate the subsurface conditions at the site and provide geotechnical recommendations for design and construction of the proposed improvements.

To prepare this report, we performed the following scope of services:

- Reviewed area geologic maps and other literature pertaining to the site and vicinity (see List of References in Section 9.0 of this report).
- Reviewed available design plans and conceptual layouts to select exploration locations.
- Coordinated with California Department of General Services (DGS) and performed a site reconnaissance to observe current conditions, review project limits, determine exploration equipment access and mark out exploratory excavation locations for subsequent utility clearance.
- Notified subscribing utility companies via Underground Service Alert (USA) a minimum of two working days (as required by law) prior to performing exploratory excavations at the site.
- Contracted a private utility locator to aid in identifying private utilities not located by USA.
- Prepared the application and obtained a soil boring permit from the Fresno County Environmental Health Division (FCEHD).
- Performed 8 exploratory test pits (TP1 through TP8) using a rubber-tire backhoe in various areas throughout the site including the potential detention pond and leach field areas.
- Drilled 15 exploratory borings (B1 through B15) throughout the site within existing paved areas and near the proposed improvements. Borings were advanced to depths ranging from approximately 5 feet to 20 feet using a truck-mounted drill rig equipped with hollow-stem augers.
- Drilled three additional borings (IT1 through IT3) to 4½ to 5 feet deep within the potential detention pond area for infiltration test purposes. Prepared the borings with a standpipe, filled the borings with water and allowed them to pre-soak overnight. Performed infiltration tests in the borings the next day.
- Drilled three additional borings (B12A through B12C) for percolation test purposes within the potential septic system area. However, we encountered shallow perched groundwater and/or weathered granitic rock in each boring location which indicates unfavorable conditions for a septic system leachfield in the proposed area(s). Therefore, we were not able to perform percolation testing as of the date of this draft report. Alternative locations for the septic system are being evaluated and additional percolation testing is pending.
- Obtained relatively undisturbed and bulk soil samples from the exploratory test pits and borings.
- Logged the exploratory borings and test pits in accordance with the Unified Soil Classification System (USCS).

- Upon completion, we backfilled the borings in accordance with FCEHD permit requirements and backfilled the test pits with the excavated material.
- Performed laboratory tests to evaluate pertinent geotechnical parameters.
- Prepared this report with our conclusions and recommendations.

Details of our field exploration including exploratory test pit and boring logs are presented in Appendix A. Approximate test pit and boring locations are shown on the Site Plan and Proposed Development Plan, Figures 2 and 3, respectively. Details of our laboratory testing program and infiltration test results are presented in Appendix B.

#### 2.0 SITE AND PROJECT DESCRIPTION

#### 2.1 Site Description

The site is the former Auberry Elementary School located at 37.0805° North latitude and -119.4873° West longitude (WGS 84 datum) and has a street address of 33367 North Auberry Road near in Auberry, Fresno County, California (Vicinity Map, Figure 1).

The site is located in hilly terrain within partially-forested land approximately 28 miles northeast of Fresno, California. Power House Road and Auberry Road border the site to the east, residential/commercial development to the north and south, and Little Sandy Creek on the west. Current site topography generally slopes down from the north to the south-southwest and east to west at elevations ranging from approximately 2,020 feet down to 1,965 feet above mean sea level (MSL). Natural slope inclinations are relatively gentle [approximately 6½H:1V (horizontal:vertical) to 8H:1V] in the southern portion of the site, transitioning to steeper slopes in the northern portion where inclinations range from approximately 4H:1V up to 2½H:1V. Site topography is shown on the Topographic Map, Figure 4.

Existing improvements at the site include several classrooms, a gym/multi-purpose room, an administration building; hot-mix asphalt (HMA) paved driveways/parking areas and hardcourts, concrete flatwork, a playground area, multiple septic systems, water wells, landscaping, and underground utility infrastructure. The majority of these improvements are located on the eastern-central portion of the site (see Figure 2), which ranges in elevation from approximately 1,985 to 1,965 feet above MSL. A fire station is located at the north (upper) end of the site off Power House Road at an elevation of approximately 2,020 feet MSL. The site configuration and existing improvements, and detailed site topography are shown on the Site Plan, Figure 2 and Topographic Map, Figure 4, respectively.

#### 2.2 Project Description

The overall project consists of re-developing portions of the site into a new CCC Service Center. Some of the existing classrooms/buildings will be converted into dormitory buildings, and new construction will include a warehouse yard and building, an emergency crew vehicle staging area, a solar photovoltaic (PV) array field, a stormwater detention basin, and a new septic system. Other planned/proposed improvements include a new 250,000-gallon steel firewater tank, HMA pavement rehabilitation/reconstruction, fire lane, concrete flatwork, landscaping, underground utility installation, and an outdoor recreation area that includes an amphitheater, fire pits, barbecue pits, and an outdoor sports court. The warehouse building and firewater tank will be supported on conventional shallow foundations. The warehouse building will include an interior concrete slab-on-grade. The solar PV arrays will likely be supported on driven steel piles.

Proposed structural loads are not yet available; however, we assume relatively light structural loading for the warehouse building and relatively moderate loading for the water tank. For grading, we anticipate cuts and fills on the order of 5 feet or less to attain design grades. The proposed site configuration is shown on the Proposed Development Plan, Figure 3.

#### 3.0 SOIL AND GEOLOGIC CONDITIONS

We identified soil and geologic conditions by observing exploratory excavations and reviewing referenced geologic literature (Section 9.0). The soil descriptions provided in this report include the USCS symbol where applicable.

#### 3.1 Site and Regional Geology

The site is located along the western edge of the Sierra Nevada geomorphic province of California. The Sierra Nevada geomorphic province is typified by a belt of northwest-trending metamorphic, volcanic, and igneous rocks that have been sheared, deformed, and intruded during periods of tectonic and volcanic activity.

Published geologic maps depict the site as underlain by Quaternary-age alluvium and Cretaceous-age Tonalite of the Blue Canyon (granitic rock) (USGS, 1976). A portion of the regional geologic map covering the site vicinity is presented as Figure 5.

The conditions encountered in our exploratory test pits and borings were generally consistent with the mapped geology of the area. We encountered fill material and alluvial soil overlying variably weathered, fine- to medium-grained granitic rock (tonalite).

#### 3.2 Existing Pavement

We encountered existing pavement in seven of our borings (B1 through B5, B13, and B14). Approximate pavement section material thicknesses are summarized in Table 3.2.

TABLE 3.2 EXISTING PAVEMENT SECTIONS

Test Location	HMA <sup>1</sup> thickness (inches)	AB <sup>2</sup> thickness (inches)
B1	4½	5½
B2	4½	5½
В3	2½	3
B4	2½	3
B5	4½	7½
B13	3	3
B14	3	3

#### Notes:

- 1. HMA = hot-mix asphalt
- 2. AB = aggregate base

Existing pavements at the site are generally fair to poor and exhibit typical age and traffic related distress such as alligator cracking, transverse/longitudinal cracking, and block cracking. Rehabilitation alternative recommendations are discussed in this report.

#### 3.3 Fill

We encountered approximately 4 to 6½ feet of fill below the pavement section in Borings B3, B4, and B14 and at the ground surface in Boring B15 and Test Pit TP3. The fill material consisted predominantly of loose to medium-dense silty sand (SM) and silty sand (SM) with gravel. Although not observed in the rest of our borings or test pits, undocumented fill may be present in other areas of the site, particularly beneath existing pavement areas within the proposed warehouse, warehouse yard, and emergency vehicle staging areas. Areas and suspected areas of fill are delineated on the Site Plan, Figure 2.

Since we do not know the placement and compaction history of existing fill, remedial grading in the form of removal and replacement as compacted fill will be required within building areas. Specific remedial grading recommendations are provided in this report.

#### 3.4 Alluvium

Below the fill, where present, below the pavement section in Borings B1, B2 and B5 and at the ground surface elsewhere we encountered alluvium to depths ranging from approximately 4 to 11½ feet. The alluvium generally consists of loose to medium dense silty sand (SM) and silty clayey sand (SC-SM).

#### 3.5 Residual Soil

Residual soil is soil formed in place from decomposition/weathering of the underlying rocks. Residual soil is distinguished from "weathered rock" (e.g., completely weathered granitic rock) by the absence of original fabric/texture of the source rock. In "weathered rock" the original fabric/texture of the rock, such as the crystalline structure in a granite, is still evident.

Residual soil at the site generally consists of loose to dense silty sand (SM). We encountered variable thicknesses of residual soil in Test Pit TP7, Borings B6 through B10, B12 through B12C below the alluvium and at the ground surface in Test Pit TP8. Below the alluvium, residual soil was encountered at depths ranging from approximately 5 to 12 feet and ranging in thickness of approximately 2 to 5½ feet, where it grades into completely to highly weathered granitic rock. At the ground surface in Test Pits TP8, residual soil is approximately 3 feet thick where it grades into highly weathered granitic rock.

#### 3.6 Granitic Rock (Tonalite)

Granitic rock underlying the site consists of variably weathered, fine- to medium-grained crystalline rock. Completely weathered granitic rock at the site, commonly called "decomposed granite" or "DG", typically excavates as a silty sand (SM) with fine to medium, angular sand grains and generally minor clay and gravel content. Highly weathered granitic rock is highly fractured and has a higher density. Moderately weathered rock has less fractures, has an even higher density, and is difficult to excavate.

We encountered completely to highly weathered granitic rock in each boring (except Boring B5) and in two of our test pits (TP7 and TP8) at depths ranging from approximately 3 to 15 feet and below the pavement section in Boring B13. Drilling refusal depths in the granitic rock at the site ranged from approximately 4 to 20 feet. We generally observed a significant increase in excavation difficulty within the transition from residual soil to granitic rock of varying degree of weathering (completely to moderately).

Soil and geologic conditions described in the previous paragraphs are generalized. Therefore, the reader should consult the test pit and boring logs included in Appendix A for soil type, color, moisture, consistency, and USCS classification of the soils encountered at specific locations and elevations.

#### 3.7 Infiltration Tests and Results

To evaluate soil percolation characteristics, we performed field infiltration testing at three locations (IT1 through IT3) using the borehole method. Since there is not a local jurisdictionally-required infiltration test method, we generally followed the USBR 7300-89 test procedure as outlined in the County of Los Angeles *Guidelines for Geotechnical Investigations and Reporting, Low Impact Development Stormwater Infiltration* (GS200.2, June 30, 2017). The infiltration tests were generally performed at follows:

- 1. The falling head infiltration tests were performed in solid-flight-auger borings excavated to approximately 4½ and 5 feet below existing grade.
- 2. A 3-inch inside-diameter polyvinyl chloride (PVC) standpipe was inserted to the bottom of each boring and driven into the underlying, undisturbed soil.
- 3. Water was poured into the standpipes and the test zones were allowed to soak over the course of 24 hours.
- 4. The water level drop under an approximate 1-foot head was measured until a stabilized infiltration rate was obtained.
- 5. Upon test completion, the standpipes were removed and the borings were backfilled with the soil cuttings.

The approximate test locations are shown on the Site Plan, Figure 2 and Proposed Development Plan, Figure 3. Measured and design infiltration rates and USCS Classification of the soils are summarized in Table 3.6. Infiltration test data sheets are included in Appendix A.

TABLE 3.7
SUMMARY OF INFILTRATION TEST RESULTS

Test ID	Approximate Depth of Infiltration Test (feet)	USCS Soil Classification at Infiltration Test Interval	Measured Infiltration Rate (inches/hour)	Total Reduction Factor <sup>1</sup>	Design Infiltration Rate (inches/hour) <sup>2</sup>
IT1	4½	Silty Clayey SAND (SC-SM)	0.01	4	0
IT2	5	Silty Clayey SAND (SC-SM)	0.05	4	0
IT3	4½	Silty Clayey SAND (SC-SM)	0.01	4	0

#### Notes:

#### 3.8 Percolation Conditions

We drilled three borings (B12A through B12C) for percolation test purposes within the potential septic system area. However, we encountered shallow perched groundwater and/or shallow weathered granitic rock in each boring location, which indicates unfavorable conditions for a septic system in the proposed area(s). Therefore, we were not able to perform percolation testing during our initial field exploration. Alternative locations for the septic system are being evaluated and additional percolation testing is pending.

<sup>1.</sup> Product of reduction factors per LA County GS200.2, including reduction factors for non-vertical flow, test method, site variability, and long-term siltation, plugging, and maintenance.

<sup>2.</sup> Design Infiltration Rate = Measured Infiltration Rate / Total Reduction Factor.

#### 4.0 GROUNDWATER

During our field investigation on February 4 through 6, 2020, we encountered perched groundwater at depths ranging from approximately 7 to 15 feet in Borings B6, B8 and B9, and B12 through B12B, but we did not encounter groundwater or seepage in the other exploratory borings or test pits excavated to depths ranging from approximately 4 to 20 feet.

Based on site geology, perched groundwater/seepage may develop at relatively shallow depths at or near the contact between residual soil and formational material, especially during winter and spring. Seepage can also occur within formational material based on the degree of weathering, fracturing, and jointing. It should be noted that fluctuations in the level of groundwater may occur due to variations in rainfall, temperature, and other factors. Depth to groundwater can also vary significantly due to localized pumping, irrigation practices, and seasonal fluctuations. Therefore, it is possible that groundwater may be encountered during construction.

#### 5.0 SEISMICITY AND GEOLOGIC HAZARDS

#### 5.1 Regional Active Faults

The numerous faults in California include active, potentially active, and inactive faults. The criteria for these major groups are based on criteria developed by the CGS for the Alquist-Priolo Earthquake Fault Zone (APEFZ) Program (Bryant and Hart, 2007). By definition, an active fault is one that has had surface displacement within the last 11,000 years. A potentially active fault has demonstrated surface displacement during Quaternary time (approximately the last 1.6 million years) but has had no known movement within the past 11,000 years. Faults that have not moved in the last 1.6 million years are considered inactive.

The site is not located on any known "active" earthquake fault trace or within a currently established APEFZ. Therefore, we consider the potential for ground rupture due to onsite active faulting during the design life of the proposed project to be low.

Table 5.1 summarizes the distance of known active faults within 60 miles of the site, based on the 2013 Caltrans Fault Database KML overlay file for Google Earth. Principal references used within the 2013 Caltrans Fault Database are the Jennings and Bryant Fault Activity Map of California (2010) and The Working Group on California Earthquake Predictions (WGCEP), Uniform California Earthquake Rupture Forecast Version 3.

TABLE 5.1
REGIONAL ACTIVE FAULTS

Fault Name	Distance From Site (miles)	Maximum Moment Magnitude (Mw)
Hartley Springs	47.3	6.7
Round Valley	48.6	7.0
Silver Lake	49.5	6.4
Hilton Creek	49.7	6.8

#### 5.2 Ground Shaking

We used the United States Geological Survey (USGS) web-based application 2008 Unified Hazard Tool to estimate the peak ground acceleration (PGA) and modal (most probable) magnitude associated with a 2,475-year return period. This return period corresponds to an event with 2% chance of exceedance in a 50-year period. The USGS estimated PGA is 0.23g and the modal magnitude is 5.3 for Seismic Site Class C.

While listing PGA is useful for comparison of potential effects of fault activity in a region, other considerations are important in seismic design, including frequency and duration of motion and soil conditions underlying the site.

#### 5.3 Liquefaction

Liquefaction is a phenomenon in which saturated cohesionless soils are subject to a temporary loss of shear strength due to pore pressure buildup under the cyclic shear stresses associated with intense earthquakes. Primary factors that trigger liquefaction are: moderate to strong ground shaking (seismic source), relatively clean, loose granular soils (primarily poorly graded sands and silty sands), and saturated soil conditions (shallow groundwater). Due to the increasing overburden pressure with depth, liquefaction of granular soils is generally limited to the upper 50 feet of a soil profile.

The site is not located in a currently established State of California Seismic Hazard Zone for liquefaction. In addition, we are not aware of any reported historical instances of liquefaction in the area. Based on the subsurface conditions and anticipated seismic conditions at the site, we do not consider liquefaction to be a hazard for the site.

#### 5.4 Landslides and Slope Stability

The site and regional topography is mountainous and rolling. Significant cut/fill slopes were not observed at the site. Natural slopes on the site appear to be performing well without overt indicators of global instability. Natural slope inclinations are relatively gentle [approximately 6½H:1V] (horizontal:vertical) to 8H:1V] in the southern portion of the site, transitioning to steeper slopes in the

northern portion where inclinations range from approximately 4H:1V up to 2½H:1V. Based on our understanding of the project, existing natural slopes are not anticipated to be altered. Therefore, landslides or slope instability with respect to natural slopes should not be a hazard for the project.

We evaluated the stability of the proposed detention basin cut embankment slopes based on an assumed inclination of 2H:1V, basin depth of 5 feet, soil strength parameters, and groundwater/impounded water conditions. The material parameters used in our analysis are summarized in Table 5.4.1.

TABLE 5.4.1 SOIL PARAMETERS FOR SLOPE STABILITY

Material Type	Total Unit Weight (pcf)	Cohesion, C (psf)	Friction Angle, ¢ (degrees)
Silty Sand	115	0	30

We analyzed slope stability using the computer program SLOPE/W, Version 7.22 (Geo-Slope International) for static and seismic conditions using the Morgenstern-Price method of limit-equilibrium analysis considering a circular failure mode. We modeled four cases: (1) end of construction, (2) the long term stability at full pool (water elevation 2 feet below ground surface), (3) earthquake (empty), and (4) earthquake at full pool. Graphical representations of the potential critical failure surfaces and parameters used for each stability analysis are presented in Appendix C. Required minimum and calculated Factors of Safety are presented in Table 5.4.2.

TABLE 5.4.2 SLOPE STABILITY ANALYTICAL CASES

Coso	nse Description	Factor of Safety (FOS)	
Case		Required Minimum	Calculated
1	End of Construction (empty)	1.31	2.4
2	Long Term Stability (full pool)	1.5 <sup>1</sup>	1.9
3	Seismic (empty)	$1.2^{2}$	1.8
4	Seismic (full pool)	$1.2^{2}$	1.3

<sup>1.</sup> Minimum FOS per EM 1110-2-1902 "Engineering and Design - Slope Stability", US Army COE, October 2003

Based on the results of our analysis, the global stability of the basin cut slopes for the detention pond should be adequate. However, sandy soil exposed on the basin slopes will be prone to erosion. Appropriate erosion control measures should be implemented. Details and graphical results of our slope stability analysis are presented in Appendix C.

<sup>2.</sup> Minimum FOS per commonly accepted engineering practice

#### 5.5 Expansive Soil

Laboratory testing (Appendix B) for the soils at the site indicates a low plasticity index and low expansion potential. Mitigation and/or special design considerations with respect to expansive soil are not considered necessary for the project.

#### 5.6 Soil Corrosion Screening

We performed soil corrosion potential screening by conducting laboratory testing on representative near-surface soil samples. The laboratory test results and published screening levels are presented in Appendix B.



#### 6.0 CONCLUSIONS AND RECOMMENDATIONS

#### 6.1 General

- 6.1.1 No soil or geologic conditions were encountered during our investigation that would preclude construction of improvements at the site as planned, provided the recommendations contained in this report are incorporated into the design and construction of the project.
- 6.1.2 Based on the results of our research and analyses, there are no significant geologic hazards that would prevent the proposed construction of the site as presently proposed. The primary geotechnical constraints identified in our investigation are:
  - <u>Undocumented Fill</u>: Approximately 4 to  $6\frac{1}{2}$  feet of existing undocumented fill was encountered at several locations at the site (see Figure 2, Site Plan). Since we do not know the compaction and placement history of the fill, removal and re-compaction will be required during site grading under proposed new building pad areas.
  - Shallow Granitic Bedrock: The site is underlain by variably weathered granitic bedrock at varying depths. Excavations in bedrock at the site will likely present moderate to difficult excavation characteristics for foundation and utility excavations in some areas. Specific recommendations regarding excavations are provided herein.
  - <u>Very Slow Infiltration Rates</u>: Design infiltration rates based on in-situ infiltration testing are very slow, less than 0.01 inches per hour or essentially zero. Typically, stormwater infiltration is not recommended when design infiltration rates are less than 0.3 inches per hour. Design of the stormwater basin and any LID features such as permeable pavements and vegetated swales should assume no infiltration. Specific recommendations are provided herein.
- 6.1.3 Conclusions and recommendations provided in this report are based on our review of referenced literature, analysis of data obtained from our exploratory field exploration, laboratory testing program, and our understanding of the proposed development at this time.
- 6.1.4 We should review the project plans as they develop further, provide engineering consultation as needed during final design, and perform geotechnical observation and testing services during construction.

#### 6.2 Code-Based Seismic Design Parameters (2019 CBC)

6.2.1 We understand that seismic design of the proposed structures will be performed in accordance with the provisions of the 2019 CBC, the seismic provisions of which are based on the American Society of Civil Engineers (ASCE)/Structural Engineering Institute (SEI) publication: ASCE/SEI 7-16, Minimum Design Loads and Associated Criteria for Buildings and Other Structures (ASCE/SEI, 2017). We used the Structural Engineers Association of California (SEAOC) and Office of Statewide Health Planning and Development (OSHPD) web application Seismic Design Maps (https://seismicmaps.org/) to evaluate site-specific

seismic design parameters in accordance with ASCE 7-16. For seismic design purposes, sites are classified as Site Class "A" through "F" as follows:

- Site Class A Hard Rock;
- Site Class B Rock;
- Site Class C Very Dense Soil and Soft Rock;
- Site Class D Stiff Soil;
- Site Class E Soft Clay Soil; and
- Site Class F Soils Requiring Site Response Analysis.

Based on the subsurface conditions at the site, the Site Classification is Site Class "C" per Table 20.3-1 of ASCE/SEI 7-16. For the purposes of evaluating code-based seismic parameters for design, we assumed a seismic Risk Category II (per the CBC) for the project. Results are summarized in Table 6.2.1.

TABLE 6.2.1

ASCE 7-16 SEISMIC DESIGN PARAMETERS

SITE CLASS "C" – VERY DENSE SOIL AND SOFT ROCK

Parameter	Value	ASCE 7-16 Reference
MCE <sub>R</sub> Ground Motion Spectral Response Acceleration – Class B (short), S <sub>S</sub>	0.532g	Figure 22-1
MCE <sub>R</sub> Ground Motion Spectral Response Acceleration – Class B (1 sec), S <sub>1</sub>	0.205g	Figure 22-2
Site Coefficient, FA	1.287	Table 11.4-1
Site Coefficient, F <sub>V</sub>	1.5	Table 11.4-2
Site Class Modified $MCE_R$ Spectral Response Acceleration (short), $S_{MS}$	0.685g	Eq. 11.4-1
Site Class Modified MCE <sub>R</sub> Spectral Response Acceleration (1 sec), S <sub>M1</sub>	0.307g	Eq. 11.4-2
5% Damped Design Spectral Response Acceleration (short), S <sub>DS</sub>	0.457g	Eq. 11.4-3
5% Damped Design Spectral Response Acceleration (1 sec), S <sub>D1</sub>	0.205g	Eq. 11.4-4

6.2.2 Table 6.2.2 presents additional seismic design parameters for projects with Seismic Design Categories of D through F in accordance with ASCE 7-16 for the mapped maximum considered geometric mean (MCE<sub>G</sub>).

TABLE 6.2.2
ASCE 7-16 SITE ACCELERATION DESIGN PARAMETERS

Parameter	Value	ASCE 7-16 Reference
Mapped MCE <sub>G</sub> Peak Ground Acceleration, PGA	0.23g	Figure 22-7
Site Coefficient, F <sub>PGA</sub>	1.2	Table 11.8-1
Site Class Modified $MCE_G$ Peak Ground Acceleration, $PGA_M$	0.276g	Section 11.8.3 (Eq. 11.8-1)

6.2.3 Conformance to the criteria presented in Tables 6.2.1 and 6.2.2 for seismic design does not constitute any kind of guarantee or assurance that significant structural damage or ground failure will not occur if a maximum level earthquake occurs. The primary goal of seismic design is to protect life and not to avoid structural damage; as such design may be economically prohibitive.

#### 6.3 Excavation Characteristics/Rippability

6.3.1 Excavation characteristics will vary at the site depending on location and excavation depths. Table 6.3 summarizes anticipated excavation characteristics in each geologic unit identified at the site.

TABLE 6.3
ANTICIPATED EXCAVATION CHARACTERISTICS

Material	Excavation Characteristics
Fill / Alluvium / Residual Soil	These soils generally consist of loose to medium dense silty sand (SM). We anticipate standard excavation effort with conventional, heavy-duty grading equipment. We anticipate excavations will generate material predominantly 3 inches and smaller.
Completely Weathered Granitic Rock  This material generally excavates as silty sand (SM) with fine to co angular sand grains and generally minor clay content. We antice excavations will generate material predominantly 3 inches and smaller. Some cementations up to 6 inches may also be generated but should break dunder the action of conventional heavy-duty grading equipment.	
Highly Weathered Granitic Rock	This material generally excavates as silty sand (SM) and silty sandy gravel (GM) with fine to coarse, angular sand grains and generally minor clay content. Moderate to heavy excavation effort with conventional, heavy-duty grading equipment will be required. Some strong cementation may be present and may require moderate ripping. Pre-ripping with a large excavator (such as Caterpillar 245) with a ripping shank may be required. Blasting should not be necessary. We anticipate excavations will generate material predominantly 3 inches and smaller. Some scattered cementations up to 6 inches may also be generated but should break down under the action of conventional heavy-duty grading equipment.

Moderately Weathered Granitic Rock Moderately weathered granitic rock generally consists of intensely to moderately fractured rock that generally breaks down to gravel- to cobble-sized (12 inches or smaller) fragments when excavated. Weathering and degree of fracturing generally decreases with depth. Excavations within the moderately weathered granitic rock will require additional effort and specialized rock excavation equipment. The use of blasting or non-explosive rock demolition methods should be anticipated for excavations in this material. This formation generally breaks down to gravel to cobble-sized (12 inches or smaller) fragments when excavated; however, some boulder-sized (12 inches and larger) may be generated.

- 6.3.2 Temporary excavations entered by workers must meet Cal/OSHA requirements as appropriate. Excavation sloping, benching, the use of trench shields, and the placement of spoils should conform to applicable Cal/OSHA standards. The contractor should have a Cal/OSHA-approved "competent person" onsite during excavation to evaluate excavation conditions, evaluate the appropriate Cal/OSHA soil type, and to make appropriate recommendations where necessary. It is the contractor's responsibility to provide sufficient and safe excavation support as well as protecting nearby utilities, structures, and other improvements which may be damaged by earth movements.
- 6.3.3 The excavation support recommendations provided by Cal-OSHA are generally geared toward protecting human life and not necessarily toward preventing damage to nearby structures or surface improvements. The contractor should be responsible for using the proper active shoring systems or sloping to prevent damage to any structure or improvements near underground excavations.
- 6.3.4 If grading commences in winter or spring, or in periods of precipitation, excavated and in-place soils will likely be wet. Earthwork contractors should be aware of the moisture-sensitivity of site soils that may result in subgrade instability and/or potential compaction difficulties. Earthwork operations in these conditions will likely be difficult with low productivity. Often, a period of at least one month of warm and dry weather is necessary to allow the site to dry sufficiently so that heavy grading equipment can operate effectively. If the construction schedule allows, we recommend performing earthwork construction during the seasonal dry months.
- 6.3.5 Shallow groundwater/seepage may potentially be present in project excavations. The contractor should be prepared to accommodate seepage and/or groundwater in project excavations.

### 6.4 Materials for Fill

6.4.1 Excavated soil and rock generated from cut operations at the site are suitable for use as engineered fill in structural areas provided they do not contain deleterious matter, organic material, or rock/cementations larger than 6 inches in maximum dimension.

- 6.4.2 Import soil should be similar to site soils and have a "very low" expansion potential (Expansion Index less than 20), a Plasticity Index less than 15, contain sufficient binder to prevent caving when excavated, be free of organic material and construction debris, and not contain rock/cementations larger than 6 inches in greatest dimension.
- 6.4.3 Environmental characteristics and corrosion potential of import soil materials should also be considered. Proposed import materials should be sampled, tested, and approved by Geocon prior to its transportation to the site.

# 6.5 Grading

- 6.5.1 Earthwork operations should be observed and fills tested for recommended compaction and moisture content by a representative of Geocon.
- 6.5.2 References to relative compaction and optimum moisture content in this report are based on the latest ASTM D1557 Test Procedure. Structural areas should be considered as areas extending a minimum of 5 feet horizontally beyond the outside dimensions of footings carrying structural loads.
- 6.5.3 Prior to commencing grading, a pre-construction conference with representatives of the client, grading contractor, and Geocon should be held at the site. Site preparation, soil handling and/or the grading plans should be discussed at the pre-construction conference.
- 6.5.4 Site preparation should begin with removal of existing vegetation, surface/subsurface structures (including foundations), pavements, underground utilities (as required), any existing fill/backfill, and debris. Existing trees and similar large vegetation and associated roots larger than 1 inch in diameter should be completely removed. Smaller roots may be left in-place as conditions warrant as evaluated by our representative. Surface vegetation consisting of grasses and other similar vegetation (if present) should be removed by stripping to a sufficient depth to remove organic-rich topsoil. Material generated during stripping is not suitable for use within 5 feet of structures or within pavement areas but may be placed in landscaped or non-structural areas or exported from the site.
- 6.5.5 In order to provide uniform support of the new warehouse building and water storage tank, the building and water tank pads should be over-excavated to remove any existing fill. Existing fill may be reused as engineered fill provided it meets the requirements of Section 6.4 of this report. Oversize rock (larger than 6 inches in greatest dimension) should be screened and removed from the excavated fill prior to re-use in fill. The over-excavation bottom should be proof-rolled in the presence of a Geocon representative with a loaded water truck (or similar equipment with high contact pressure) to evaluate the performance of exposed

- subgrade and to identify any loose or unstable conditions that could require additional excavation.
- 6.5.6 Excavations or depressions resulting from site clearing operations, or other existing excavations or depressions, should be restored with engineered fill in accordance with the recommendations of this report.
- 6.5.7 After site preparation, over-excavation bottoms, areas to receive fill or left at-grade should be scarified at least 12 inches, uniformly moisture-conditioned at or above optimum moisture content and compacted to at least 90% relative compaction. Scarification and recompaction operations should be performed in the presence of a Geocon representative to evaluate performance of the subgrade under compaction equipment loading.
- 6.5.8 Engineered fill consisting of onsite soil or approved import sources should be compacted in horizontal lifts not exceeding 8 inches (loose thickness) and brought to final subgrade elevations. Each lift should be moisture-conditioned at or above optimum and compacted to at least 90% relative compaction.
- 6.5.9 Stormwater basin excavation should extend to the grades specified and be performed in a manner to result in smooth and firm excavation surfaces. If significant sloughing or caving of sandy soil occurs, some localized reworking and re-compaction of those areas with finer grained material will be necessary. Basin sidewalls should be protected against erosion, wind erosion, and wave action. To maintain stability of the basin embankments, the side-slopes should be kept clear of brush, trees, and burrowing rodents. Periodic inspection and maintenance should be performed.
- 6.5.10 Underground utility trenches within structural areas should be backfilled with properly compacted material. Pipe bedding, shading and backfill should conform to the requirements of the appropriate utility authority. Material excavated from trenches should be adequate for use as general backfill above shading provided it does not contain deleterious matter, vegetation or cementations larger than 6 inches in maximum dimension. Trench backfill should be placed in loose lifts not exceeding 8 inches. Lifts should be compacted to a minimum of 90% relative compaction at or above optimum moisture content. Compaction should be performed by mechanical means only; jetting of trench backfill is not recommended.
- 6.5.11 The upper 6 inches of roadway or pavement subgrade, whether completed at-grade, by excavation, or by filling, should be uniformly moisture-conditioned at or above optimum moisture content and compacted to at least 95% relative compaction. Final pavement subgrade should be finished to a smooth, unyielding surface. We further recommend proof-

rolling the subgrade with a loaded water truck (or similar equipment with high contact pressure) to verify the stability of the subgrade prior to placing AB.

### 6.6 Stormwater Basin / Infiltration Devices

6.6.1 Site soils contain a high percentage of fines (silt/clay) and have very slow design infiltration rates (essentially zero inches per hour). Typically, soil with design infiltration rates less than 0.3 inches per hour are not considered suitable for stormwater infiltration. However, LID features such as pervious pavements and vegetated swales may be used to reduce stormwater velocity, provide detention, and filtration prior to discharge the stromwater basin and any LID features should be designed assuming no infiltration. This may result in an increase the size/depth of these features to accommodate the design stormwater volumes.

# 6.7 Foundations – Warehouse Building

- 6.7.1 Provided the warehouse building pad is graded in accordance with the recommendations of this report, the proposed building may be supported on conventional shallow foundations bearing on undisturbed native soil/rock or engineered fill.
- 6.7.2 To reduce the potential for seasonal moisture variations beneath buildings, foundations should consist of continuous perimeter strip footings with isolated interior spread footings. Perimeter strip footings should be continuous around the entire perimeters of structures without breaks or discontinuities. Strip footings should be at least 12 inches wide and spread footings should be at least 18 inches square. All footings should be embedded at least 12 inches below lowest adjacent pad grade.
- 6.7.3 Shallow foundations may be designed using an allowable bearing capacity of 2,000 pounds per square foot (psf) for dead plus live loads with a one-third increase for transient loads, including wind and seismic.
- 6.7.4 Underground utilities running parallel to footings should not be constructed in the zone of influence of footings. The zone of influence may be taken to be the area beneath the footing and within a 1:1 plane extending out and down from the bottom of the footing.
- 6.7.5 The allowable passive pressure used to resist lateral movement of the footings may be assumed to be equal to a fluid weighing 330 pounds per cubic foot (pcf). The allowable coefficient of friction to resist sliding is 0.35 for concrete against soil. Combined passive resistance and friction may be utilized for design provided that the frictional resistance is reduced by 50%.

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- 6.7.6 Foundations designed in accordance with the recommendations above should experience total settlements of approximately 1 inch or less and differential settlements of approximately ½ inch or less over a horizontal distance of approximately 50 feet. The majority of the settlement will be immediate and will occur as loads are applied during construction.
- 6.7.7 Continuous footings should be reinforced with at least two No. 4 reinforcement bars, one each placed near the top and bottom of the footing to allow footings to span isolated soil irregularities. The reinforcement recommended above is for soil characteristics only and is not intended to replace reinforcement required for structural considerations. The project structural engineer should evaluate the need for additional reinforcement.
- 6.7.8 A Geocon representative should observe all foundation excavations prior to placing reinforcing steel or concrete to verify that the exposed soil conditions are consistent with those anticipated. If unanticipated soil conditions are encountered, foundation modifications may be required.

# 6.8 Foundations – Water Storage Tank

- 6.8.1 Provided the tank pad is graded in accordance with the recommendations of this report, the water storage tank may be supported on a perimeter ring footing with a concrete slab-on-grade or gravel cushion.
- 6.8.2 Perimeter ring footings should be at least 12 inches wide and extend at least 12 inches below pad grade. The ring footings may be designed using an allowable bearing capacity of 2,000 psf for dead plus live loads dead plus live loads with a one-third increase for short-term transient loading such as wind and seismic.
- 6.8.3 Allowable passive pressure used to resist lateral movement of footings may be assumed to be equal to a fluid weighing 330 pcf. The allowable coefficient of friction to resist sliding of footings is 0.35 for concrete against soil. Combined passive resistance and friction may be utilized for footing design provided that the frictional resistance is reduced by 50%.
- 6.8.4 Water tank foundations designed in accordance with the recommendations above should experience total settlement of less than one inch and differential settlement on the order of ½ inch from center to tank edge. The majority of settlement will be immediate and occur as the tank is filled to nominal capacity.
- 6.8.5 Concrete slabs-on grade (if used) for the tank should be underlain by a minimum of 6 inches of Class 2 AB compacted to at least 95% relative compaction at or above optimum moisture content.

### 6.9 Interior Slabs-on-Grade

- 6.9.1 Interior concrete slab-on-grade floors in conjunction with conventional foundation systems recommended in this report are suitable for the warehouse building pad prepared as recommended in this report. Slab thickness and reinforcement should be determined by the structural engineer based on anticipated loading. However, at a minimum, slabs should be at least 5 inches thick and reinforced with No. 4 reinforcing bars placed 24 inches on center, each way. Structural requirements may require additional reinforcement or thicker concrete slabs. Control joints should be provided at periodic intervals in accordance with American Concrete Institute (ACI) or Portland Cement Association (PCA) recommendations, as appropriate
- 6.9.2 If the near-surface soils of building pads become dry prior to constructing concrete slabs-on-grade, building pads should be re-moistened by soaking or sprinkling such that the upper 12 inches of soil is at or above optimum moisture content at least 48 hours before concrete placement.
- 6.9.3 The warehouse building slab-on-grade should be directly underlain by at least 6 inches of Caltrans Class 2 AB compacted to at least 95% relative compaction. Interior building slabs-on-grade that may receive floor coverings should be underlain by open-graded crushed rock as discussed in section 6.9.6.
- 6.9.4 Migration of moisture through concrete slabs or moisture otherwise released from slabs is not a geotechnical issue. However, for the convenience of the project team, we are providing the following general suggestions for consideration by the owner, architect, structural engineer, and contractor. The suggested procedures may reduce the potential for moisture-related floor covering failures on concrete slabs-on-grade, but moisture problems may still occur even if the procedures are followed. If more detailed recommendations are desired, we recommend consulting a specialist in this field.
- 6.9.5 Where floor coverings are planned, a minimum 10-mil-thick vapor barrier meeting ASTM E1745-97 Class C requirements may be placed directly below the slab, without a sand cushion. To reduce the potential for punctures, a higher quality vapor barrier (15 mil, Class A or B) may be used. The vapor barrier, if used, should extend to the edges of the slab and should be sealed at all seams and penetrations.
- 6.9.6 At least 4 inches of ½- or ¾-inch crushed rock, with no more than 5 percent passing the No. 200 sieve, may be placed below the vapor barrier to serve as a capillary break.

- 6.9.7 The concrete water/cement ratio should be as low as possible. The water/cement ratio should not exceed 0.45 for concrete placed directly on the vapor barrier. This is critically important to reduce the potential for differential cracking and shrinkage cracking. Midrange plasticizers could be used to facilitate concrete placement and workability.
- 6.9.8 Proper finishing, curing, and moisture vapor emission testing should be performed in accordance with the latest guidelines provided by the ACI, PCA, and ASTM.

# 6.10 Foundations – Solar PV Arrays

- 6.10.1 The proposed solar PV array structures may be supported on vibrated or driven steel piles embedded a minimum depth of 6 feet. The axial compression capacity of the piles may be designed based on a skin friction capacity of 300 pounds per square foot (psf). Uplift axial capacity may be designed based on a skin friction capacity of 200 psf. The top 12 inches of embedment should be neglected when evaluating compression and tension axial capacities. For piles in pavement areas, the design length and subsequent analyses should begin from the bottom of the pavement section. The allowable downward capacity and allowable uplift capacity may be increased by one-third when considering transient wind or seismic loads.
- Allowable passive pressure used to resist lateral movement of the piles may be assumed to be equal to a fluid weighing 330 pounds per cubic foot (pcf) with a maximum earth pressure of 3,300 psf. The allowable passive pressure may be applied over two pile diameters for isolated piles with a minimum center-to-center spacing of at least three pile diameters. The allowable passive pressure assumes a horizontal surface extending at least 5 feet or three times the surface generating the passive pressure, whichever is greater. The upper 12 inches or the pavement section, depending on location, should not be included in the design for lateral resistance. To develop the full lateral value, provisions should be implemented to assure firm contact between the piles and the soil.
- 6.10.3 Pile installation should be observed by Geocon to verify adequate depth and penetration into the recommended bearing materials.
- 6.10.4 The presence of shallow bedrock could impact foundation construction/installation. The driven pile foundations should be designed to penetrate/embed into the sedimentary rock at the site. This may require a driving shoe on the piles and/or other enhancements. The necessity for predrilling should also be evaluated during the initial pile installation. If predrilling is required, it is recommended that the pre-drill diameter be at least 2 inches smaller than the largest dimension of the pile to reduce frictional resistance lose. If used, predrilling should be conducted such that the pile is driven a minimum of 2 feet beyond the depth of the predrilled hole.

### 6.11 Exterior Concrete Flatwork

- 6.11.1 Concrete flatwork not subjected to vehicular traffic should be underlain by at least 4 inches of Class 2 AB compacted to at least 90% relative compaction at or above optimum moisture content. Prior to placing the AB, the top 6 inches of soil subgrade soil should be uniformly moisture-conditioned above optimum moisture content and compacted to 90% relative compaction.
- 6.11.2 Reinforcement, construction joints and control joints should be provided in accordance with ACI and/or PCA guidelines. Jointing should be constructed as soon as practical following concrete placement. Crack control joints and expansion joints should be detailed per ACI or PCA or similar guidelines.
- 6.11.3 As is typical for concrete construction, concrete flatwork may exhibit some cracking due to soil movement and/or concrete shrinkage. The occurrence of concrete shrinkage cracks is independent of the supporting soil characteristics. Their occurrence may be reduced and/or controlled by limiting the slump of the concrete, proper concrete placement and curing, and by the placement of crack control joints at periodic intervals, in particular, where re-entrant slab corners occur.
- 6.11.4 Exterior concrete flatwork should be structurally independent of building foundations except at doorways where dowels should be used to reduce vertical offset that could affect door operation.

### 6.12 Pavement – Hot Mix Asphalt

We performed Resistance Value (R-Value) testing to evaluate pavement support characteristics of representative subgrade material for the proposed fire lane. Our testing resulted in R-Value of 56. We recommend using an R-Value of 50 for design of new pavement sections.

The existing pavement is exhibiting sign of age and distress; therefore, the existing pavement can be rehabilitated with an HMA overlay. Specific recommendations are provided herein.

# 6.12.1 New Pavement Sections

- 6.12.1.1 As mentioned previously, laboratory resistance value (R-Value) tests resulted in an R-Value of 56 (Appendix B). We recommend using an R-Value of 50 for design.
- 6.12.1.2 We recommend the following alternative hot mix asphalt (HMA) pavement sections for design. The project civil engineer should determine the appropriate Traffic Index (TI) based on anticipated traffic conditions. Table 6.12.1 provides alternative pavement sections based on various TIs. We can provide additional sections based on other TIs if necessary.

TABLE 6.12.1
FLEXIBLE PAVEMENT SECTIONS

Traffic Index	5.0	6.0	7.0	8.0
HMA (inches)	3.0	3.5	4.0	4.5
AB (inches)	4.0	4.0	4.0	6.0
Total Section Thickness (inches)	7.0	7.5	8.0	10.5

- 6.12.1.3 The recommended alternative pavement sections are based on the following assumptions:
  - 1. Subgrade soil has an R-Value of at least 50.
  - 2. Subgrade soil is scarified at least 6 inches, uniformly moisture-conditioned above optimum moisture content, and compacted to 95% or higher relative compaction. Prior to placing AB, subgrade soil should be proof-rolled with a loaded water truck to verify stability.
  - 3. Class 2 AB has a minimum R-Value of 78 and meets the requirements of Section 26 of Caltrans' latest *Standard Specifications*.
  - 4. Class 2 AB is compacted to 95% or higher relative compaction at or above optimum moisture content. Prior to placing HMA, the AB should be proof-rolled with a loaded water truck to verify stability.
  - 5. HMA should conform to Section 39 of Caltrans' latest *Standard Specifications*.
- 6.12.1.4 To reduce the potential for water from landscaped areas migrating under pavement into the AB, consideration should be given to using full-depth curbs in areas where pavement abuts irrigated landscaping. The full-depth curbs should be at least 4 inches wide and extend at least 4 inches or more into the soil subgrade beneath the AB. Where no full-depth curbs are present, plastic moisture cut-offs should be used. Alternatively, modified drop-inlets that contain weep-holes may be used to encourage accumulated water to drain from beneath the pavement.

# 6.12.2 HMA Overlay

6.12.2.1 The existing pavement may be rehabilitated by placing an HMA overlay. In general, prior to placing the overlay, heavily distressed HMA areas should be excavated to at least 8 inches and backfilled with full-depth HMA to match the existing adjacent section. Dig-out repairs should extend at least 2 feet laterally beyond the observed surface failure that prompted the dig-out, or to the lip of curb/gutter, where applicable. Cracks wider than ½ inch should be routed and cleaned to increase adhesion between the sealant and the pavement surface and be filled with an approved crack sealant.

6.12.2.2 We recommend a minimum overlay thickness of 1½ inches. The performance life of an HMA overlay may be increased by milling a portion of the existing HMA to remove oxidized, brittle pavement. The depth of milling should be selected such that the final milled surface is not located near or slightly above an existing HMA-lift boundary.

# 6.13 Rigid Concrete Pavement

6.13.1 Pavement at the site may consist of rigid Portland cement concrete (PCC) pavement reinforced with synthetic fibers or conventional steel reinforcement. Table 6.13 provides alternative rigid concrete pavement sections for a 20- and 40-year design life based on the design procedures found in the *Pavement Designer* online tool (<a href="https://www.pavementdesigner.org/">https://www.pavementdesigner.org/</a>) and as outlined in ACI 330 (Chapter 2 – Pavement Design – *Guide for Design and Construction of Concrete Parking Lots*).

TABLE 6.13
PCC PAVEMENT SECTIONS

Traffic Spectrum "B" 1	20-Year Design <sup>2</sup>	40-Year Design <sup>2</sup>
PCC <sup>3</sup> (inches)	5.0	5.5
AB <sup>4</sup> (inches)	4.0	4.0
Total Section Thickness (inches)	9.0	9.5

### Notes:

- 1. Design based on ACI 330 Traffic Spectrum B
- 2. Assumes 15% of slabs cracked at the of design life
- 3. *PCC* = *Portland cement concrete*
- 4. Class 2 Aggregate Base meeting Section 26 of Caltrans Standard Specifications and compacted to at least 95% relative compaction. Prior to placing AB, subgrade soils should be scarified at least 6 inches, uniformly moisture-conditioned above optimum moisture content, and compacted to 95% relative compaction.
- 6.13.2 PCC should have a minimum 28-day compressive strength of 3,500 pounds per square inch (psi). Adequate construction and crack control and expansion joints should be used to control cracking inherent in concrete construction. We note that ACPA recommends a maximum joint spacing no greater than 24X the slab thickness for PCC pavements directly underlain by granular bases.
- 6.13.3 Steel reinforcement, if used, should be detailed in accordance with PCA, ACI, or similar guidelines.
- 6.13.4 Macro synthetic fibers (Euclid Chemical Tuf-Strand SF or equivalent) may be mixed into the concrete mix in lieu of conventional steel reinforcement provided they meet the

requirements of ASTM C1116 and ASTM D7508 for Type III Synthetic Fibers. We recommend using 1½- to 2-inch long fibers and a minimum dosage of 5 pounds per cubic yard of concrete.

6.13.5 In general, we recommend that concrete pavements be detailed, designed, constructed, and maintained in accordance with industry standards such as those provided by the ACI Committee and ACPA.

# 6.14 Pervious Pavements

- 6.14.1 We are providing pervious pavement recommendations for pervious concrete and interlocking concrete pavers. If other types of pervious pavements are considered (such as pervious asphalt pavement), we should be consulted for additional recommendations. Pervious pavement systems are typically constructed on an open-graded crushed aggregate base supported on soil subgrade. In our experience, interlocking concrete paver systems are more prone to post-construction settlement and distortion and require more diligent subgrade and base preparation and compaction.
- 6.14.2 For either system, we recommend providing full-depth curbs at the edges to provide restraint and to reduce the potential for adverse seepage into adjacent areas. The full-depth curbs should be at least 4 inches wide and extend at least 4 inches or more into the soil subgrade beneath the aggregate layers below the pervious pavement section.
- 6.14.3 Pervious concrete/paver systems should be designed for adequate water storage capacity (within the voids of the crushed rock base) as well as adequate structural capacity. The recommendations provided in this report are based on structural loading requirements and the anticipated subgrade soil support conditions only. The project civil engineer should determine if the pervious pavement section provides adequate storage for the volume of water anticipated <u>assuming no infiltration into the subgrade soil</u>. For design purposes, the void ratio of the gravel may be assumed to be 40%.
- 6.14.4 <u>Pervious Concrete.</u> Based on the anticipated traffic loading (passenger vehicles and periodic maintenance vehicles) and subgrade soil support conditions, we recommend the following minimum design section (listed in order from top to bottom):
  - 5 inches of permeable concrete,
  - 6 inches of open-graded base aggregate meeting ASTM No. 57 gradation,
  - Geotextile fabric (Mirafi Filterweave 403, or equal), and
  - Compacted soil subgrade.

Pervious concrete mix design should be determined by the project civil engineer. We recommend using a mix which will develop a minimum 28-day compressive strength of 3,500 psi. Base aggregate should consist of hard, durable, open-graded crushed rock with at least 90% fractured faces and LA abrasion less than 40 meeting the gradation requirements for ASTM No. 57 base (per ASTM C33). Rounded gravel is not acceptable for use as base aggregate. To provide additional stability and to reduce potential for fines migration, we recommend placing a woven geotextile designed to provide separation and filtration, such as Mirafi Filterweave 403 or equal, on the soil subgrade below the base aggregate. Base aggregate should be placed in 4-inch lifts, each lift compacted with a 5-ton smooth drum roller making at least two passes in vibratory mode and two passes in static mode. Compaction should continue until there is no visible movement of the base aggregate.

- Interlocking Concrete Pavers / Pervious Pavers. The Interlocking Concrete Pavement Institute (ICPI) recommends using a three-layer aggregate underlayment for interlocking concrete pavers consisting of bedding, base, and subbase. The subbase gravel is typically specified as ASTM No. 2 gradation. However, ASTM No. 2 aggregate is not commonly available. Alternatively, ASTM No. 3 or ASTM No. 4 can be used. The following recommendations are based on the design methodology recommended by ICPI (Permeable Interlocking Concrete Pavements, Third Edition, 2006, revised 2010). Based on the anticipated traffic loading and subgrade soil support conditions, we recommend the following minimum design section (listed in order from top to bottom):
  - Concrete pavers (minimum 3-1/8 inches thick).
  - 2 inches of bedding aggregate meeting ASTM No. 8 gradation.
  - 4 inches of base aggregate meeting ASTM No. 57 gradation.
  - 8 inches of subbase aggregate meeting ASTM No.'s 2, 3, or 4 gradations.
  - Geotextile fabric (Mirafi Filterweave 403, or equal).
  - Compacted soil subgrade.

Bedding, base, and subbase aggregate should consist of hard; durable, open-graded crushed rock with at least 90% fractured faces and LA abrasion less than 40. Rounded gravel is not acceptable for use as bedding, base, and subbase. The gradation of proposed bedding and base aggregates should be tested prior to construction by Geocon to verify filter compatibility between the various aggregate layers. ICPI recommends the following filter criteria:

$$D_{15\;base}/\,D_{50\;bedding}{<}5$$
 and  $D_{50\;base}/\,D_{50\;bedding}{>}\,2$ 

 $(D_x$  is the particle size at which x percent of the particles are finer)

If the filter criteria above are not achieved (i.e. the bedding material is smaller or the base aggregate is larger), a geotextile fabric (Mirafi FW 403 or equal) should be placed between the bedding and base aggregate. Subbase and base aggregate should be placed in 4-inch lifts, each lift compacted with a five-ton smooth drum roller making at least two passes in vibratory mode and two passes in static mode. Compaction should continue until there is no visible movement of the aggregate. Bedding aggregate should be placed and screed per paver manufacturer's recommendations.

# 6.15 Drainage

- 6.15.1 Proper site drainage is imperative to reduce the potential for differential soil movement, soil expansion, erosion and subsurface seepage. Under no circumstances should water be allowed to pond adjacent to building foundations. The site should be graded and maintained such that surface drainage is directed away from structures in accordance with the 2019 CBC or other applicable standards. In addition, surface drainage should be directed away from the top of slopes into swales or other controlled drainage devices.
- 6.15.2 Underground utilities should be leak free. Utility and irrigation lines should be checked periodically for leaks, and detected leaks should be repaired promptly. Detrimental soil movement could occur if water is allowed to infiltrate the soil for prolonged periods of time.
- 6.15.3 Landscaping planters adjacent to paved areas are not recommended due to the potential for surface or irrigation water to infiltrate the pavement's subgrade and base course. We recommend that area drains to collect excess irrigation water and transmit it to drainage structures or impervious above-grade planter boxes be used. In addition, where landscaping is planned adjacent to the pavement, we recommend construction of a cutoff wall (deepened concrete curb, plastic root barrier, or similar cutoff) along the edge of the pavement that extends at least 4 inches into the soil subgrade below the bottom of the base material.
- 6.15.4 Roof drains should be connected to water-tight drainage piping connected to the storm drain system. Consideration should be given to draining roofs to lined planter boxes or placing liners below the proposed landscape areas to prevent infiltration of water. Geocon can be contacted for additional recommendations.
- 6.15.5 Experience has shown that even with these provisions, subsurface seepage may develop in areas where no such water conditions existed prior to site development. This is particularly true where a substantial increase in surface water infiltration has resulted from an increase in landscape irrigation.

# 7.0 FURTHER GEOTECHNICAL SERVICES

# 7.1 Plan and Specification Review

We should review the improvement plans and specifications prior to final design submittal to assess whether our recommendations have been properly implemented and evaluate if additional analysis and/or recommendations are required.

# 7.2 Testing and Observation Services

The recommendations provided in this report are based on the assumption that we will continue as Geotechnical Engineer of Record throughout the construction phase. It is important to maintain continuity of geotechnical interpretation and confirm that field conditions encountered are similar to those anticipated during design. If we are not retained for these services, we cannot assume any responsibility for other's interpretation of our recommendations or the future performance of the project.

### 8.0 LIMITATIONS AND UNIFORMITY OF CONDITIONS

The recommendations of this report pertain only to the site investigated and are based upon the assumption that the soil conditions do not deviate from those disclosed in the investigation. If any variations or undesirable conditions are encountered during construction, or if the proposed construction will differ from that anticipated herein, we should be notified so that supplemental recommendations can be given. The evaluation or identification of the potential presence of hazardous materials or environmental contamination was not part of our scope of services.

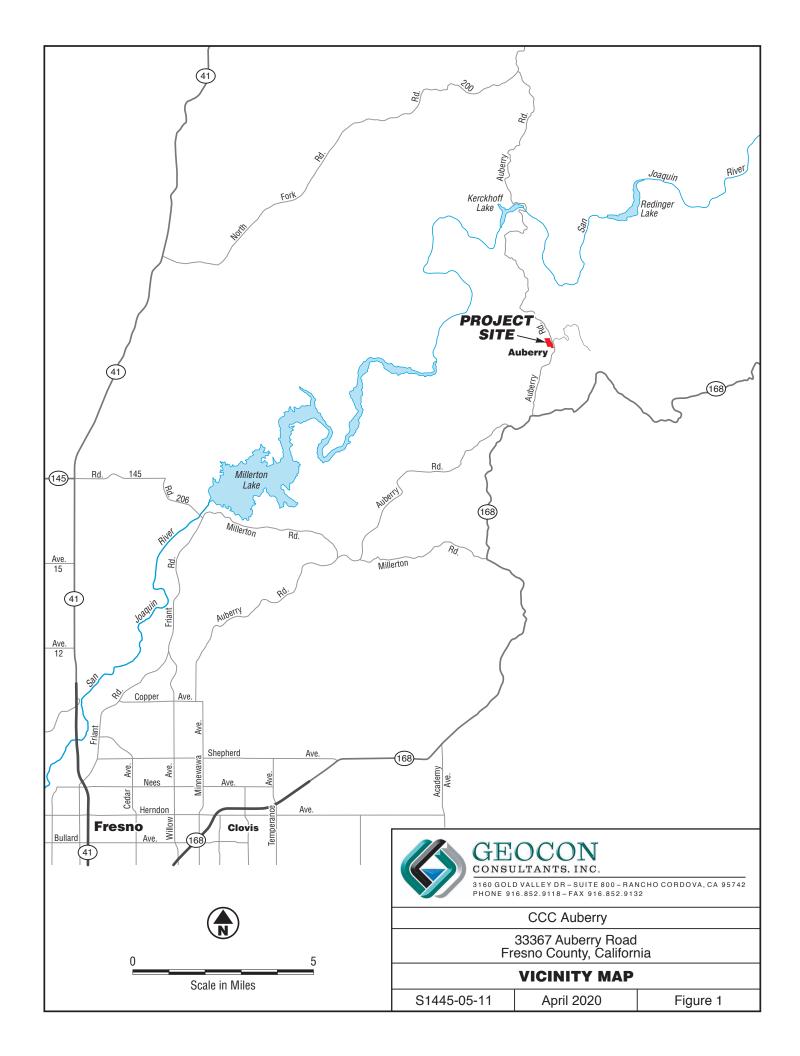
This report is issued with the understanding that it is the responsibility of the owner or their representative to ensure that the information and recommendations contained herein are brought to the attention of the design team for the project and incorporated into the plans and specifications, and the necessary steps are taken to see that the contractor and subcontractors carry out such recommendations in the field.

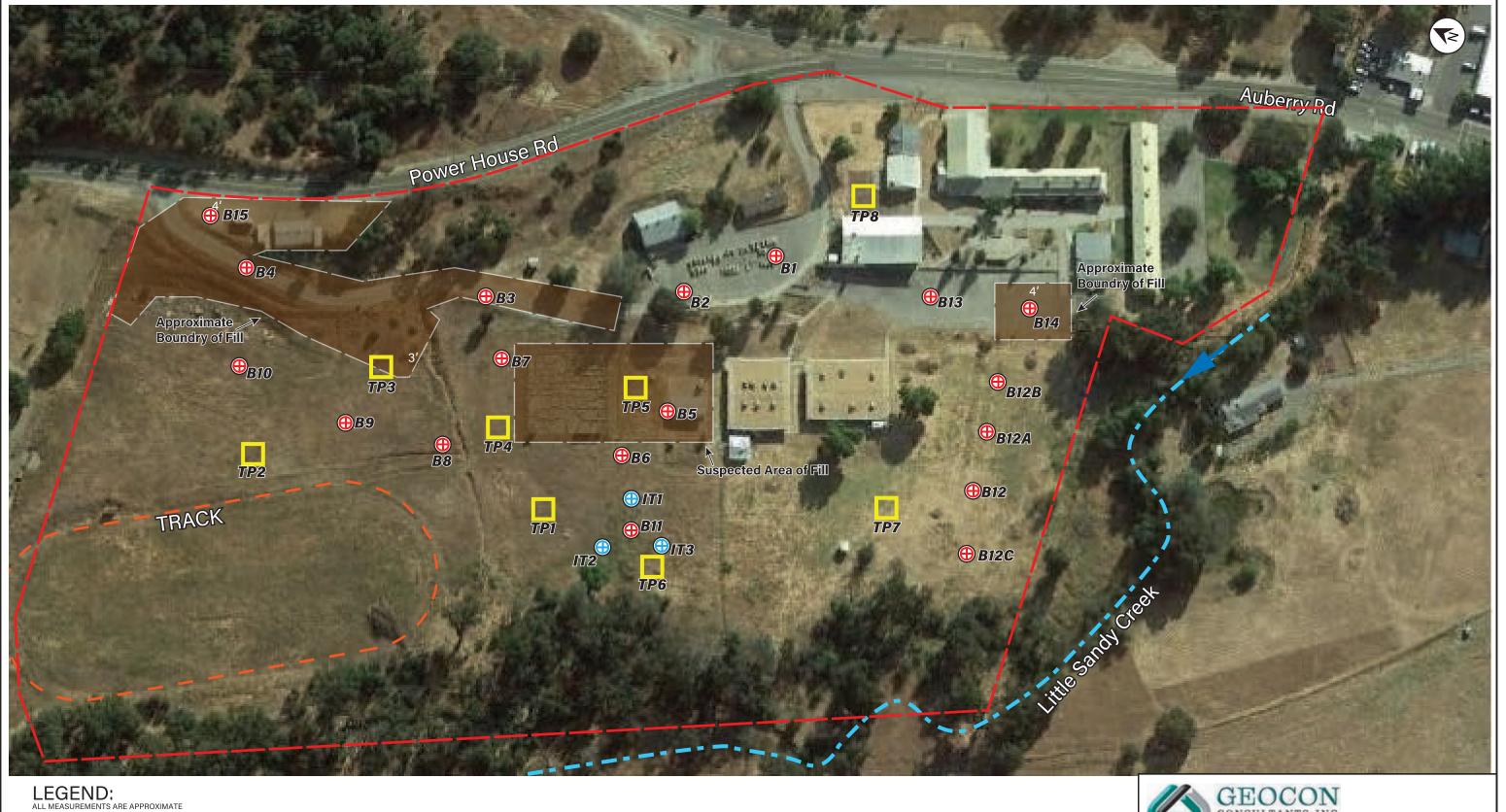
The recommendations contained in this report are preliminary until verified during construction by representatives of our firm. Changes in the conditions of a property can occur with the passage of time, whether they are due to natural processes or the works of man on this or adjacent properties. Additionally, changes in applicable or appropriate standards may occur, whether they result from legislation or the broadening of knowledge. Accordingly, the findings of this report may be invalidated partially or wholly by changes outside our control. Therefore, this report is subject to review and should not be relied upon after a period of three years.

Our professional services were performed, our findings obtained, and our recommendations prepared in accordance with generally accepted geotechnical engineering principles and practices used in the site area at this time. No warranty is provided, express or implied.

### 9.0 LIST OF REFERENCES

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- 3. American Society of Civil Engineers, ASCE/SEI 7-16, Minimum Design Loads and Associated Criteria for Buildings and Other Structures, 2017.
- 4. California Building Standards Commission, 2019 California Building Code, based on 2018 International Building Code, International Code Council.
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- 6. Caltrans Fault Database, Google Earth Application (KML File): http://dap3.dot.ca.gov/ARS Online/technical.php, 2013 (accessed April 13, 2020).
- 7. Hart, Earl W., Bryant, William A., "Alquist-Priolo Earthquake Fault Zone Program," California Division of Mines and Geology, 1999.
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- 9. Lionakis, California Conservation Corps Auberry Service Center Fresno Region, Budget Package Volume 1 of 2 Final, Project No. 014304.39, August 19, 2016.
- 10. Portland Cement Association, Concrete Floors on Ground, 2001.
- 11. Structural Engineers Association of California and Office of Statewide Health Planning and Development, *Seismic Design Maps* (https://seismicmaps.org/), accessed April 13, 2020.
- 12. United States Geological Survey (USGS), 2008 Unified Hazard Tool, https://earthquake.usgs.gov/hazards/interactive/.
- 13. USGS, Lockwood, J.P., and Bateman, P.C., Geologic Map of the Shaver Lake Quadrangle, Central Sierra Nevada, California, scale 1:62,500, 1976.
- 14. Unpublished reports, aerial photographs, and maps on file with Geocon.







- Site Boundry

Approximate Boring Location

Approximate Infiltration Test Location

Approximate Test Pit Location





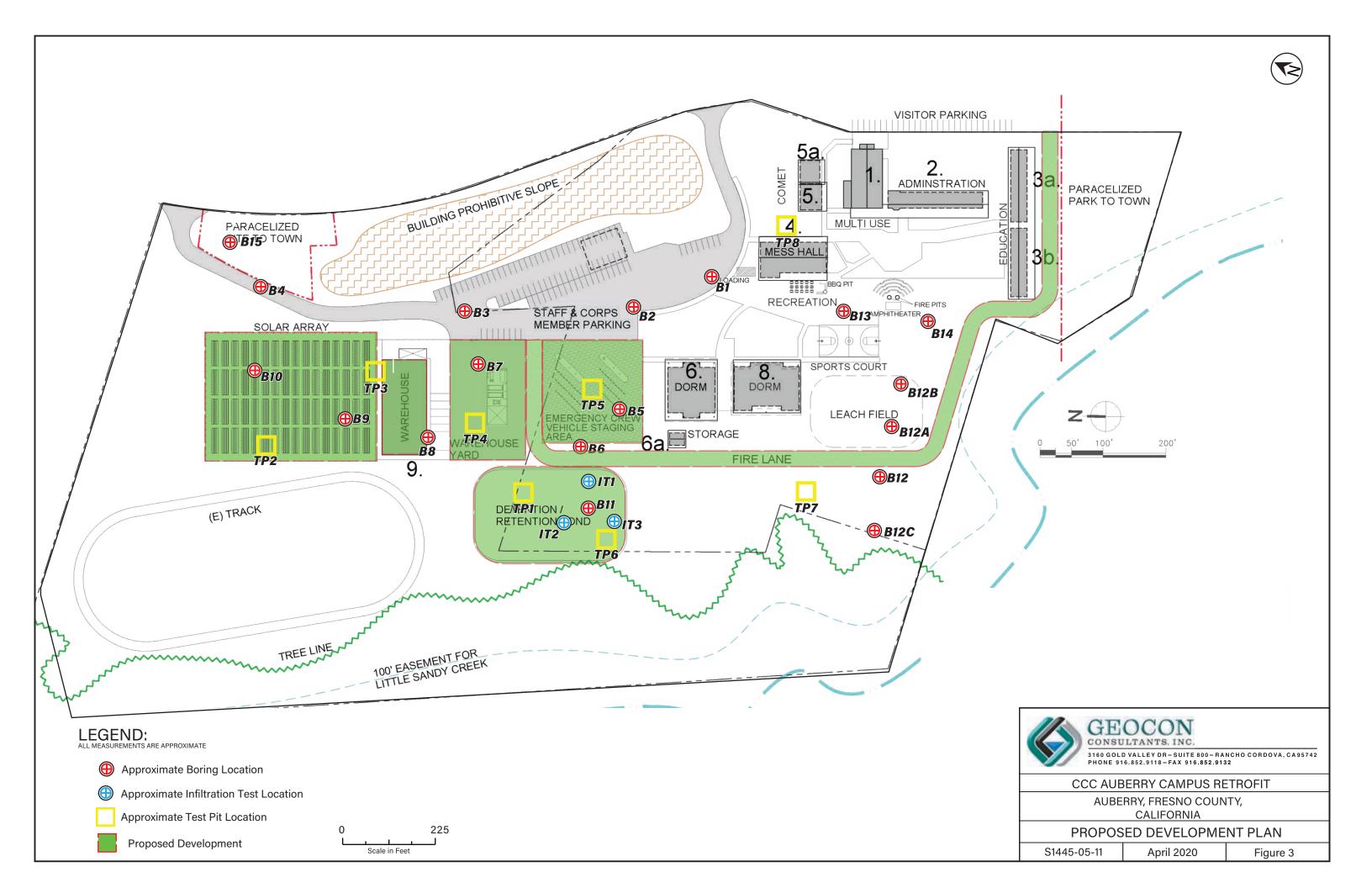
CCC AUBERRY CAMPUS RETROFIT

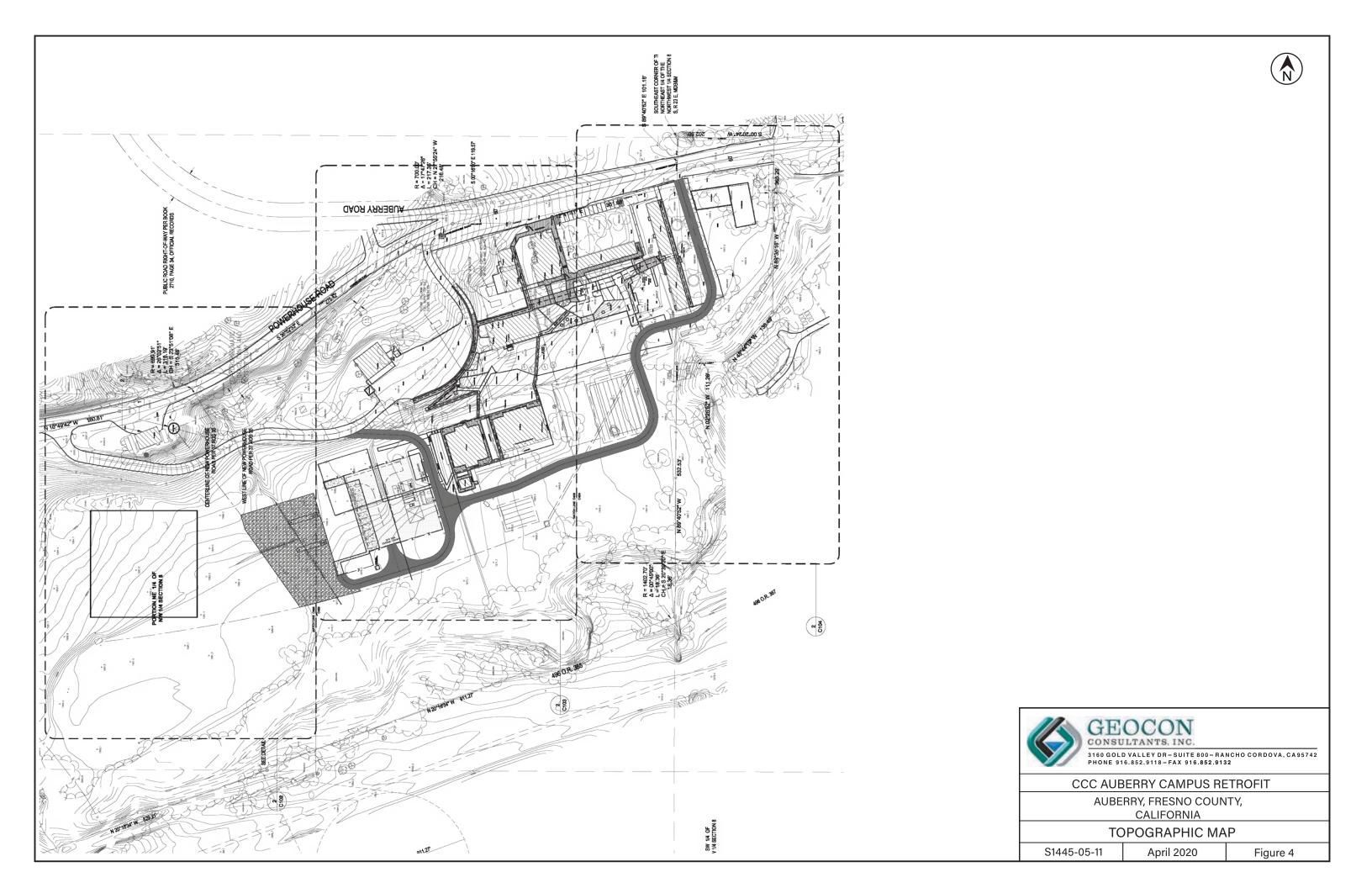
AUBERRY, FRESNO COUNTY, CALIFORNIA

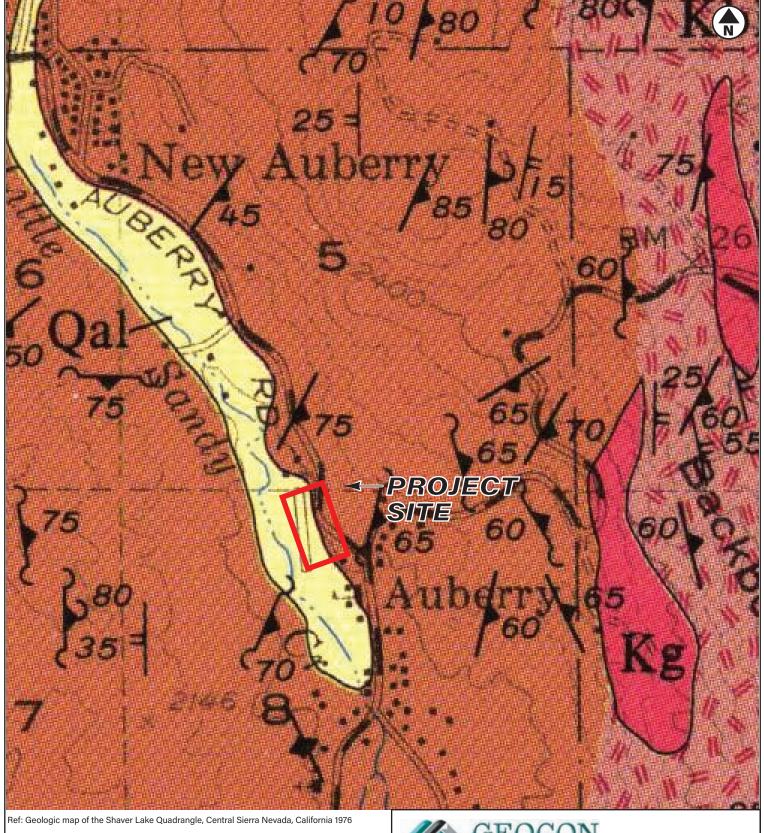
**SITE PLAN** 

Figure 2

S1445-05-11 April 2020







Qal Alluvium (Quarternary)

Kbl Tonalite of Blue Canyon (Cretaceous)

Medium-grained biotite-hornblende Kblf Tonalite and Granodiorite fades (Cretaceous)

Fine grained Felsic Rocks (Cretaceous)

Leucogranite of Big SandyBluffs (Cretaceous)

Diorite, Quartz Diorite, and Tonalite (Cretaceous or Jurassic)





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FRESNO COUNTY, CALIFORNIA

**REGIONAL GEOLOGIC MAP** 

S1445-05-11 April 2020 Figure 5

# APPENDIX A

### **APPENDIX A**

### FIELD EXPLORATION PROGRAM

Our field exploration program was performed on February 4 through 6, 2020, and consisted of excavating eight exploratory test pits (TP1 through TP8) and drilling eighteen exploratory borings (B1 through B15) and three infiltration test borings (IT1 through IT3) at the approximate locations shown on the Site Plan, Figure 2 and Proposed Development Plan, Figure 3.

We excavated eight exploratory test pits (TP1 through TP8) at the site using a John Deere 310L rubbertire backhoe equipped with an 18-inch-wide bucket. The exploratory test pits ranged in depth from approximately 4 feet to 9 feet. Samples were obtained from the excavator bucket using a shovel and transferred to bulk sample bags. Upon completion, the test pits were backfilled with the excavated soil.

Exploratory borings were performed using a truck-mounted, CME75 drill rig equipped with 6-inch outside-diameter (OD) solid-stem augers and 8-inch OD hollow-stem augers. Soil sampling was accomplished using an automatic 140-pound hammer with a 30-inch drop. Samples were obtained with a 3-inch OD, split spoon (California Modified) sampler. The number of blows required to drive the samplers the last 12 inches (or portion thereof) of the 18-inch sampling interval were recorded on the boring logs. Upon completion, borings were backfilled with the drill cuttings in accordance with FCEHD requirements.

Subsurface conditions encountered in the exploratory borings were visually examined, classified and logged in general accordance with the American Society for Testing and Materials (ASTM) Practice for Description and Identification of Soils (Visual-Manual Procedure D2488-90). This system uses the Unified Soil Classification System (USCS) for soil designations. The logs depict the soil and geologic conditions encountered and the depths at which samples were obtained. The logs also include our interpretation of the conditions between sampling intervals. Therefore, the logs contain both observed and interpreted data. We determined the lines designating the interface between soil materials on the logs using visual observations, drill rig penetration rates, excavation characteristics and other factors. The transition between the materials may be abrupt or gradual. Where applicable, the field logs were revised based on subsequent laboratory testing. Logs of exploratory borings and test pits are presented herein.

### UNIFIED SOIL CLASSIFICATION **MAJOR DIVISIONS TYPICAL NAMES** WELL GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES D GW CLEAN GRAVELS WITH LITTLE OR NO FINES POORLY GRADED GRAVELS WITH OR WITHOUT SAND, LITTLE OR NO FINES GRAVELS GΡ MORE THAN HALF COARSE FRACTION IS LARGER THAN NO.4 SIEVE SIZE Ь SILTY GRAVELS, SILTY GRAVELS WITH MORE THAN HALF IS COARSER THAN NO. 200 SIEVE GM COARSE-GRAINED SOILS GRAVELS WITH OVER 12% FINES CLAYEY GRAVELS, CLAYEY GRAVELS WITH SAND GC WELL GRADED SANDS WITH OR SW WITHOUT GRAVEL, LITTLE OR NO FINES CLEAN SANDS WITH LITTLE OR NO FINES POORLY GRADED SANDS WITH OR WITHOUT GRAVEL, LITTLE OR NO FINES SANDS SP MORE THAN HALF COARSE FRACTION IS SILTY SANDS WITH OR WITHOUT GRAVEL SMALLER THAN NO.4 SM SIEVE SIZE SANDS WITH OVER 12% FINES CLAYEY SANDS WITH OR WITHOUT SC INORGANIC SILTS AND VERY FINE ML SANDS, ROCK FLOUR, SILTS WITH SANDS AND GRAVELS INORGANIC CLAYS OF LOW TO MEDIUM SILTS AND CLAYS FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN NO. 200 SIEVE PLASTICITY, CLAYS WITH SANDS AND GRAVELS, LEAN CLAYS CL LIQUID LIMIT 50% OR LESS ORGANIC SILTS OR CLAYS OF LOW OL INORGANIC SILTS, MICACEOUS OR MH DIATOMACEOUS, FINE SANDY OR SILTY SOILS, ELASTIC SILTS INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS SILTS AND CLAYS СН LIQUID LIMIT GREATER THAN 50% ORGANIC CLAYS OR CLAYS OF MEDIUM ОН TO HIGH PLASTICITY

### BORING/TRENCH LOG LEGEND

PT 14 44

HIGHLY ORGANIC SOILS

PEAT AND OTHER HIGHLY ORGANIC

No Recovery	PENETRATION RESISTANCE						
	SAND AND GRAVEL		SILT AND CLAY				
Shelby Tube Sample	RELATIVE DENSITY	BLOWS PER FOOT (SPT)*	BLOWS PER FOOT (MOD-CAL)*	CONSISTENCY	BLOWS PER FOOT (SPT)*	BLOWS PER FOOT (MOD-CAL)*	COMPRESSIVE STRENGTH (tsf)
- Bulk Sample	VERY LOOSE	0 - 4	0-6	VERY SOFT	0 - 2	0 - 3	0 - 0.25
<u> </u> ∞	LOOSE	5 - 10	7 - 16	SOFT	3 - 4	4 - 6	0.25 - 0.50
— SPT Sample	MED <b>I</b> UM DENSE	11 - 30	17 - 48	MEDIUM STIFF	5 <b>-</b> 8	7 - 13	0.50 - 1.0
- Modified California Sample	DENSE	31 - 50	49 - 79	STIFF	9 - 15	14 - 24	1.0 - 2.0
▼—Groundwater Level	VERY DENSE	OVER 50	OVER 79	VERY STIFF	16 - 30	25 - 48	2.0 - 4.0
(At Completion)				HARD	OVER 30	OVER 48	OVER 4.0
☐ Groundwater Level     (Seepage)				MER FALLING 30 AN 18-INCH DR	IVE		

# **MOISTURE DESCRIPTIONS**

FIELD TEST	APPROX. DEGREE OF SATURATION, S (%)	DESCRIPTION
NO INDICATION OF MOISTURE; DRY TO THE TOUCH	S<25	DRY
SLIGHT INDICATION OF MOISTURE	25 <u>&lt;</u> S<50	DAMP
INDICATION OF MOISTURE; NO VISIBLE WATER	50 <u>&lt;</u> S<75	MOIST
MINOR VISIBLE FREE WATER	75 <u>&lt;</u> S<100	WET
VISIBLE FREE WATER	100	SATURATED

### **QUANTITY DESCRIPTIONS**

APPROX. ESTIMATED PERCENT	DESCRIPTION
<5%	TRACE
5 - 10%	FEW
11 - 25%	LITTLE
26 - 50%	SOME
>50%	MOSTLY

### **GRAVEL/COBBLE/BOULDER DESCRIPTIONS**

CRITERIA	DESCRIPTION
PASS THROUGH A 3-INCH SIEVE AND BE RETAINED ON A NO. 4 SIEVE (#4 TO 3")	GRAVEL
PASS A 12-INCH SQUARE OPENING AND BE RETAINED ON A 3-INCH SIEVE (3"-12")	COBBLE
WILL NOT PASS A 12-INCH SQUARE OPENING (>12")	BOULDER

### LABORATORY TEST KEY

CP - COMPACTION CURVE (ASTM D1557)

CR - CORROSION ANALYSIS (CTM 422, 643, 417)

DS - DIRECT SHEAR (ASTM D3080)

EI - EXPANSION INDEX (ASTM D4829)

GSA - GRAIN SIZE ANALYSIS (ASTM D422) MC - MOISTURE CONTENT (ASTM D2216)

PI - PLASTICITY INDEX (ASTM D4318)

R - R-VALUE (CTM 301)

SE - SAND EQUIVALENT (CTM 217)

TXCU – CONSOLIDATED UNDRAINED TRIAXIAL (ASTM D4767)

TXUU – UNCONSOLIDATED UNDRAINED TRIAXIAL (ASTM D2850) UC – UNCONFINED COMPRESSIVE STRENGTH (ASTM D2166)

**BEDDING SPACING DESCRIPTIONS** 

THICKNESS/SPACING	DESCRIPTOR
GREATER THAN 10 FEET	MASSIVE
3 TO 10 FEET	VERY THICKLY BEDDED
1 TO 3 FEET	THICKLY BEDDED
3 <b>%-I</b> NCH TO 1 FOOT	MODERATELY BEDDED
1 ¼-INCH TO 3 ¾-INCH	THINLY BEDDED
<b>¾-I</b> NCH TO 1 <b>¼-I</b> NCH	VERY THINLY BEDDED
LESS THAN %-INCH	LAMINATED

### STRUCTURE DESCRIPTIONS

CRITERIA	DESCRIPTION
ALTERNATING LAYERS OF VARYING MATERIAL OR COLOR WITH LAYERS AT LEAST  N-INCH THICK	STRATIFIED
ALTERNATING LAYERS OF VARYING MATERIAL OR COLOR WITH LAYERS LESS THAN X-INCH THICK	LAMINATED
BREAKS ALONG DEFINITE PLANES OF FRACTURE WITH LITTLE RESISTANCE TO FRACTURING	FISSURED
FRACTURE PLANES APPEAR POLISHED OR GLOSSY, SOMETIMES STRIATED	SLICKENSIDED
COHESIVE SOIL THAT CAN BE BROKEN DOWN INTO SMALLER ANGULAR LUMPS WHICH RESIST FURTHER BREAKDOWN	BLOCKY
INCLUSION OF SMALL POCKETS OF DIFFERENT SOIL, SUCH AS SMALL LENSES OF SAND SCATTERED THROUGH A MASS OF CLAY	LENSED
SAME COLOR AND MATERIAL THROUGHOUT	HOMOGENOUS

### **CEMENTATION/INDURATION DESCRIPTIONS**

FIELD TEST	DESCRIPTION
CRUMBLES OR BREAKS WITH HANDLING OR LITTLE FINGER PRESSURE	WEAKLY CEMENTED/INDURATED
CRUMBLES OR BREAKS WITH CONSIDERABLE FINGER PRESSURE	MODERATELY CEMENTED/INDURATED
WILL NOT CRUMBLE OR BREAK WITH FINGER PRESSURE	STRONGLY CEMENTED/INDURATED

### IGNEOUS/METAMORPHIC ROCK STRENGTH DESCRIPTIONS

FIELD TEST	DESCRIPTION
MATERIAL CRUMBLES WITH BARE HAND	WEAK
MATERIAL CRUMBLES UNDER BLOWS FROM GEOLOGY HAMMER	MODERATELY WEAK
%-INCH INDENTATIONS WITH SHARP END FROM GEOLOGY HAMMER	MODERATELY STRONG
HAND-HELD SPECIMEN CAN BE BROKEN WITH <b>ONE</b> BLOW FROM GEOLOGY HAMMER	STRONG
HAND-HELD SPECIMEN CAN BE BROKEN WITH COUPLE BLOWS FROM GEOLOGY HAMMER	VERY STRONG
HAND-HELD SPECIMEN CAN BE BROKEN WITH <b>MANY</b> BLOWS FROM GEOLOGY HAMMER	EXTREMELY STRONG

### IGNEOUS/METAMORPHIC ROCK WEATHERING DESCRIPTIONS

DEGREE OF DECOMPOSITION	FIELD RECOGNITION	ENGINEERING PROPERTIES
SOIL	DISCOLORED, CHANGED TO SOIL, FABRIC DESTROYED	EASY TO DIG
COMPLETELY WEATHERED	DISCOLORED, CHANGED TO SOIL, FABRIC MAINLY PRESERVED	EXCAVATED BY HAND OR RIPPING (Saprolite)
HIGHLY WEATHERED	DISCOLORED, HIGHLY FRACTURED, FABRIC ALTERED AROUND FRACTURES	EXCAVATED BY HAND OR RIPPING, WITH SLIGHT DIFFICULTY
MODERATELY WEATHERED	DISCOLORED, FRACTURES, INTACT ROCK-NOTICEABLY WEAKER THAN FRESH ROCK	EXCAVATED WITH DIFFICULTY WITHOUT EXPLOSIVES
SLIGHTLY WEATHERED	MAY BE DISCOLORED, SOME FRACTURES, INTACT ROCK-NOT NOTICEABLY WEAKER THAN FRESH ROCK	REQUIRES EXPLOSIVES FOR EXCAVATION, WITH PERMEABLE JOINTS AND FRACTURES
FRESH	NO DISCOLORATION, OR LOSS OF STRENGTH	REQUIRES EXPLOSIVES

### IGNEOUS/METAMORPHIC ROCK JOINT/FRACTURE DESCRIPTIONS

FIELD TEST	DESCRIPTION
NO OBSERVED FRACTURES	UNFRACTURED/UNJOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT 1 TO 3 FOOT INTERVALS	SLIGHTLY FRACTURED/JOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT 4-INCH TO 1 FOOT INTERVALS	MODERATELY FRACTURED/JOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT 1-INCH TO 4-INCH INTERVALS WITH SCATTERED FRAGMENTED INTERVALS	INTENSELY FRACTURED/JOINTED
MAJORITY OF JOINTS/FRACTURES SPACED AT LESS THAN 1-INCH INTERVALS; MOSTLY RECOVERED AS CHIPS AND FRAGMENTS	VERY INTENSELY FRACTURED/JOINTED



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**KEY TO LOGS** 

Figure A1

					•				
DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	ГІТНОГОСУ	GROUNDWATER	SOIL CLASS (USCS)	BORING B1  ELEV. (MSL.) 1988' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE_Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 -					HOT MIX ASPHALT - 4.5 INCHES				
1	B1-Bulk √	5005	*	G) (	AGGREGATE BASE - 5.5 INCHES				
- 2 -			-	SM	ALLUVIUM Medium dense, moist, brown, Silty SAND, micaceous				
- 3 -	B1-3.5				- dense	61	121.2	12.0	
- 4 - - 5 - - 6 -	B1-4.0	+ + + + + + + +	-		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: Dense to very dense, moist, grayish brown, Silty SAND	50/4"			
- 7 -	<del> </del>	- + +   + +			- auger grinding, less weathered, sampling refusal	50/0"			
					AUGER REFUSAL AT 7.5 FEET NO GROUNDWATER ENCOUNTERED BACFKFILLED WITH SOIL CUTTINGS				

Figure A2, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
•				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	ГІТНОГОСУ	GROUNDWATER	SOIL CLASS (USCS)	BORING B2  ELEV. (MSL.) 1988' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
0 -				_	HOT MIX ASPHALT - 4.5 INCHES				
- 1 -	B2-Bulk			SM	AGGREGATE BASE - 5.5 INCHES	-			
- 2 -			-		ALLUVIUM Medium dense, moist, dark brown, Silty SAND, micaceous	_			
3 -						26			
- 4 -	B2-3.5 B2-4.0		-			_	125.1	11.2	
5 -	Do 4.4					21			
- 6 -	B2-5.5 B2-6.0				- becomes brown	-	117.1	10.7 9.9	
7		+ +			TONALITE OF THE BLUE CANYON		11/.1	7.7	
7 -	B2-7.5	+ + -	1		Completely to highly weathered GRANITIC ROCK, excavates as: dense to very dense, moist, grayish brown, Silty	50/2"			
- 8 -	B2-7.5	+   +  -   +   ·	]		excavates as: dense to very dense, moist, grayish brown, Silty	30/2			
_ 9 _		+ +			SAND - less weathered				
		- + ·   + +	1						
- 10 -			H		- sampling refusal	50/0"			
- 10 -					AUGER REFUSAL AT 10 FEET NO GROUNDWATER ENCOUNTERED BACFKFILLED WITH SOIL CUTTINGS	50/0"			

Figure A3, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
CIECOI.				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B3  ELEV. (MSL.) 1993' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
0					MATERIAL DESCRIPTION				
- 0 -	B3-Bulk √	y Ov	*	CM	HOT MIX ASPHALT - 2.5 INCHES				
- 1 -	ľ	9 - 1		SM	AGGREGATE BASE - 3 INCHES	-			
- 2 -			-		FILL Medium dense, dry, light brown, Silty SAND with gravel	_			
- 3 -	1 🛚 🖔								
- 4 -	i X	+ +	-	_	TONALITE OF THE BLUE CANYON				
- 5 -	B3-5.0	- + · + + - + ·			Completely to highly weathered GRANITIC ROCK, excavates as: dense to very dense, damp, grayish brown, Silty SAND	50/3"			
6 -	B3-6.0	+ +				50		3.3	
					BORING TERMINATED AT 6.5 FEET NO GROUNDWATER ENCOUNTERED BACFKFILLED WITH SOIL CUTTINGS				

Figure A4, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B4  ELEV. (MSL.) 2012' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 -	B4-Bulk √	WOY.		SM	HOT MIX ASPHALT - 2.5 INCHES				
- 1 -		9 1		SIVI	AGGREGATE BASE - 3 INCHES	-			
- 2 -					FILL Loose, moist, dark brown, Silty SAND with gravel				
- 3 -	l X	- [- م - [- [				<u> </u>			
- 4 -	l X					-			
- 5 -	<u> </u>					_ , _			
	B4-5.5	·   ·   ·   ·				15	124.8	6.9	
- 6 -	B4-6.0	11 8							
- 7 -		+   +  -   +   -			TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK	<u> </u>			
- 8 -		+ +			Completely to highly weathered GRANITIC ROCK, excavates as: dense to very dense, moist, grayish brown, Silty	<u> </u>			
  - 9 -		+ +			SAND				
		- + -   + +							
- 10 -		+ +			- less weathered	50/6"			
					BORING TERMINATED AT 10.5 FEET NO GROUNDWATER ENCOUNTERED BACFKFILLED WITH SOIL CUTTINGS				

Figure A5, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	MPLE SYMBOLS	₩ DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B5  ELEV. (MSL.) 1978' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
0 -		l'OCP'C	5	-	HOT MIX ASPHALT - 4.5 INCHES				
- 1 -	B5-Bulk			SM	AGGREGATE BASE - 7.5 INCHES				
- 2 -	4 (8				ALLUVIUM Loose, moist, dark brown, Silty SAND	_			
- 3 -	<u> </u>				Loose, moist, dark brown, sinty 571115	_ 7			
	B5-3.0 B5-3.5						109.9	10.2	
4 -	Ŏ		.			_			
- 5 -	) 				- becomes medium dense	22			
- 6 -	B5-5.5 B5-6.0				- becomes medium dense		110 /	10.5	
	B3-0.0		-				118.4	10.5	
7 -	1								
- 8 -	1								
- 9 -			1			_			
- 10 -									
	B5-10.5				- medium dense to dense	47			
- 11 -	B5-11.0			_					
					BORING TERMINATED AT 11.5 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A6, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
CIECOI.				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B6  ELEV. (MSL.) 1976' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE_Automatic   1401b	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
0					MATERIAL DESCRIPTION				
- 0 -	B6-Bulk			SM	ALLUVIUM Medium dense, damp, brown, Silty SAND	_			
- 2 - - 3 - - 4 -	B6-3.0 B6-3.5		-			24		4.0	
- 5 - - 6 -	B6-5.5 B6-6.0		-		- becomes loose, strong brown	_ _ <sub>13</sub>	101.9	3.9	
- 8 - - 9 -	B6-8.0 B6-8.5		-			_ _ _ 11	107.3	5.8	
- 10 - - 11 - - 12 -	B6-10.5 B6-11.0		-	SM	RESIDUAL SOIL Loose, damp, strong brown, Silty SAND, micaceous	- 13 -			
- 13 - - 14 - - 15 -			- - - - -			_			
- 16 - - 17 -	B6-15.5 B6-16.0	+ + + + + + + + +	-    - 		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: medium dense, wet, grayish brown, Silty SAND	- 44 -			
- 18 - - 19 - - 20 -		+ + + + + + + + +	-		- hard drilling, less weathered	_			
20					AUGER REFUSAL AT 20 FEET PERCHED GROUNDWATER ENCOUNTERED AT 15 FEET BACKFILLED WITH SOIL CUTTINGS				

Figure A7, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B7  ELEV. (MSL.) 1982' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 - - 4 -	B7-Bulk		-	SM	ALLUVIUM Very loose, moist, strong brown, Silty SAND		107.8	10.3	
- 5 - - 6 - - 7 -	B7-5.5 B7-6.0		-	SM	RESIDUAL SOIL Loose, moist, brown, Silty SAND  TONALITE OF THE BLUE CANYON	- 15 -			
- 8 -	B7-8.0 B7-8.5	+ +			Completely to highly weathered GRANITIC ROCK, excavates as: dense, moist, gray brown, Silty SAND - less weathered  BORING TERMINATED AT 9 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS	74			

Figure A8, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B8  ELEV. (MSL.) 1980' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
			П		MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 - - 4 - - 5 - - 6 -	B8-3.0 B8-3.5 B8-5.5 B8-6.0		-	SM	ALLUVIUM Loose, damp, brown, Silty SAND	- 11 -	102.9 108.2		
- 7 - - 8 - - 9 - - 10 - - 11 - - 12 -	B8-8.0 B8-8.5 B8-10.5 B8-11.0		-	SM	RESIDUAL SOIL Loose, damp, brown, Silty SAND, micaceous - medium dense	15 			
- 13 - - 14 - - 15 -		+ + + + + + + + + + + + + + + + + + +			TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: medium dense to dense, wet, grayish brown, Silty SAND - harder drilling, less weathered  AUGER REFUSAL AT 15 FEET PERCHED GROUNDWATER ENCOUNTERED AT 13 FEET BACKFILLED WITH SOIL CUTTINGS				

Figure A9, Log of Boring, page 1 of 1

	GAMBLE GWADOLG	SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
GEOCOIV				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B9  ELEV. (MSL.) 1985' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
- 0 -					MATERIAL DESCRIPTION				
- 1 - - 2 - - 3 - - 4 -	B9-Bulk		-	SM	ALLUVIUM Loose, dry, brown, Silty SAND	- - - 11		5.3	
- 5 - - 6 - - 7 - - 8 - - 9 -	B9-5.5 B9-6.0		-	SM	RESIDUAL SOIL Medium dense, moist, brown Silty SAND	- 19 - -	114.3	9.0	
- 11 - - 12 - - 13 - - 14 -	B9-10.5 B9-11.0	+ + + + + + + + + + + + + +	- - - - - ∑		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: medium dense, moist, brown, Silty SAND	- 42 - -	124.5	11.2	
- 15 -	B9-15.0	+ +			BORING TERMINATED AT 15.5 FEET PERCHED GROUNDWATER ENCOUNTERED AT 14 FEET BACKFILLED WITH SOIL CUTTINGS	50/6"			

Figure A10, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	MPLE SYMBOLS	₩ DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B10  ELEV. (MSL.) 1990' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 W/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
0					MATERIAL DESCRIPTION				
	B10-Bulk		-	SM	ALLUVIUM Loose, damp, dark brown, Silty SAND, rootlets				
- 3 -	B10-3.5		-						
- 4 - - 5 -	B10-4.0		-		- brown	10	110.3		
- 6 - - 7 -	B10-6.0		_			15	110.5	J.,	
- 8 - - 9 -									
- 10 - - 11 - - 12 -	B10-10.0 B10-10.5 B10-11.0		-	SM	RESIDUAL SOIL Dense, moist, brown, Silty SAND (SM)	63	121.3	11.9	
- 13 - - 14 -			-			_			
- 15 - - 16 -	B10-15.5 B10-16.0		-		TONALITE OF THE BLUE CANYON  Completely to highly weatehred GRANITIC ROCK, excavage as: medium dense, moist, brown, Silty SAND,	_ 37			
- 17 - - 18 -		+ + + + + + + + + + + + + + + + + + + +	-		micaceous - less weathered				
- 19 - - 20 -		+ +	-	_	- auger grinding - sampler bouncing  AUGER REFUSAL AT 20 FEET	50/0"			
					GROUNDWATER NOT ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A11, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
GEOCON				

DEPTH SAMPLE INTERVAL FEET & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B11  ELEV. (MSL.) 1973' DATE COMPLETED 2/5/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
				MATERIAL DESCRIPTION				
- 0			SC-SM	ALLUVIUM Medium dense, damp, dark yellowish brown, Silty Clayey SAND	-			
- 4 - B11-3.5 B11-4.0 - 5 - B11-5.5 - 6 - B11-6.0				- moist	- 40 - 20		5.9 10.7 14.6	
- 7 - - 8 - - 9 - - 10				TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: dense to very dense, moist, grayish brown, Silty SAND - less weathered - sampler bouncing  AUGER REFUSAL AT 10 FEET GROUNDWATER NOT ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS	50/0"			

Figure A12, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
CIECOI.				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B12  ELEV. (MSL.) 1968' DATE COMPLETED 2/5/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 -	B12-Bulk			SC-SM	ALLUVIUM Loose, damp, strong brown, Silty Clayey SAND	_			
- 3 - - 4 -					moist.	_			
- 5 - - 6 -				SM	- moist  RESIDUAL SOIL Loose, moist, strong brown, Silty SAND	- <sub>13</sub>			
- 7 - - 8 -		-  .   .   .   .   .   .   .   .   .   .	. □		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavtes as: dense, moist, grayish brown, Silty SAND	_			
9 -		+ +			- less weathered - sampler bouncing	50/0"			
- 10 -					AUGER REFUSAL AT 10 FEET PERCHED GROUNDWATER ENCOUNTERED AT 7 FEET BACKFILLED WITH SOIL CUTTINGS				

Figure A13, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B12A  ELEV. (MSL.) 1968' DATE COMPLETED 2/5/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE_Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
- 0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 10 11 12 12 12 12				SC-SM	MATERIAL DESCRIPTION  ALLUVIUM Dense, damp, dark brown with mottled light brown, Silty Clayey SAND, rootlets  - moist  RESIDUAL SOIL Medium dense, moist, yellowish brown with dark yellowish brown mottles, Silty SAND	- 67 		5.1	
- 13 - - 14 - - 15 -		+ + - + · + + - + · - + ·	⊽		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavtes as: medium dense to dense, moist, grayish brown, Silty SAND - wet - less weathered, very dense  AUGER REFUSAL AT 15 FEET 2 INCHES PERCHED GROUNDWATER ENCOUNTERED AT 14 FEET BACKFILLED WITH SOIL CUTTINGS	 -50/2"			

Figure A14, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
CIECOI.				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B12B  ELEV. (MSL.) 1968' DATE COMPLETED 2/5/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
- 0 -					MATERIAL DESCRIPTION				
- 1 - - 2 - - 3 -			-	SM	ALLUVIUM Dense, damp, dark brown, Silty SAND	_			
- 4 - - 5 - - 6 -			-		- dark yellowish brown	50			
- 8 - - 9 - - 10 -			-	SM	RESIDUAL SOIL	_			
- 11 -			-		Medium Dense, moist, dark brown, Silty SAND	23			
- 12 - - 13 - - 14 - - 15 -		+ + + + + + + + + + + +	- - <u>∇</u>		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: dense to very dense, moist, grayish brown, Silty SAND - wet - less weathered				
		+ +			BORING TERMINATED AT 15.5 FEET PERCHED GROUNDWATER ENCOUNTERED AT 14 FEET BACKFILLED WITH SOIL CUTTINGS	50/6*			

Figure A15, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
CIECOI.				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B12C  ELEV. (MSL.) 1968' DATE COMPLETED 2/5/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 -	-			SC-SM	ALLUVIUM Loose, damp, dark brown, Silty Clayey SAND	_			
- 3 - - 4 -						_			
- 5 - - 6 -			-	SM	RESIDUAL SOIL Loose, moist, brown, Silty SAND	- <sub>14</sub>			
- 7 - - 8 - - 9 -		<u>-   '                                  </u>	-		TONALITE OF THE BLUE CANYON Completely to highy weathered GRANITIC ROCK, excavates as: dense to very dense, moist, grayish brown, Silty SAND	_			
- 10 -		+ +	-		- less weathered, very dense				
					BORING TERMINATED AT 10.25 FEET GROUNDWATER NOT ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS	50/3"			

Figure A16, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

IN INTE	MPLE ERVAL & OVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B13  ELEV. (MSL.) 1972' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   1401b	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 <del> </del> B13-	Bulk	404		_	HOT MIX ASPHALT - 3 INCHES				
- 1 -		+ + - + -			AGGREGATE BASE - 3 INCHES	_			
- 2 - - 3 -	3-2.5	+ + + - + - + + - + -			TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: dense to very dense, moist, grayish brown, Silty SAND	_50/6"			
- 4 -	<b>∑</b> -	· + - + +			- less weathered, very dense	50/0"			
- 5 +	Å	+ +			- sampler bouncing	30/0			
					AUGER REFUSAL AT 5 FEET GROUNDWATER NOT ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A17, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	BORING B14  ELEV. (MSL.) 1969' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE Automatic   140lb	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
0					MATERIAL DESCRIPTION				
- 0 -	B14-Bulk V	2404	*	SM	HOT MIX ASPHALT - 3 INCHES				
- 1 -	1			SIVI	AGGREGATE BASE - 3 INCHES	<u> </u>			
- 2 -			-		FILL Loose, wet, light brown, Silty SAND	_			
- 3 -	B14-3.0 B14-3.5					-	116.3	15.1	
- 4 -	B14-3.3	+ +	-	_	TONALITE OF THE BLUE CANYON	10			
- 5 -	B14-5.5	+ +			Completely to highly weathered GRANITIC ROCK, excavates as: dense, moist, grayish brown, Silty SAND				
- 6 -	B14-6.0	+ +				71			
					BORING TERMINATED AT 6.5 FEET GROUNDWATER NOT ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A18, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
CIECOI.				

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	ГІТНОГОСУ	GROUNDWATER	SOIL CLASS (USCS)	BORING B15  ELEV. (MSL.) 2020' DATE COMPLETED 2/6/2020  ENG./GEO. Lauren Short DRILLER V&W Drilling  EQUIPMENT Truck-mounted CME 75 w/8" HSA HAMMER TYPE_Automatic   140lb	PENETRATION . RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
- 0 -	DIS Dolle				MATERIAL DESCRIPTION				
- 1 - - 2 -	B15-Bulk		-	SM	FILL Loose, damp, yellowish brown, Silty SAND	_			
- 3 -	B15-3.0					F			
- 4 -	B15-3.5	+ +		_	TONALITE OF THE DILLE CANYON	14	104.7	7.4	
- 5 -	B15-5.0		$\mid \mid$		TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: very dense, moist, grayish brown, Silty SAND	50/6"		17.5	
					excavates as: very dense, moist, grayish brown, Silty SAND BORING TERMINATED AT 5.5 FEET GROUNDWATER NOT ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A19, Log of Boring, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP1  ELEV. (MSL.) 1976' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe  HAMMER TYPE' Bucket w/ Rock Teet	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 - - 4 -				SM	ALLUVIUM Loose, dark brown, moist, Silty SAND  - yellowish brown	_			
- 5 - - 6 - - 7 -						_			
					TEST PIT TERMINATED AT 7 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A20, Log of Test Pit, page 1 of 1

IN PROGRESS S1445-05-11 CCC AUBERRY.GPJ 04/15/20

	GANDLE GVADOLG	SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	₩ DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP2  ELEV. (MSL.) 1982' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe HAMMER TYP& Bucket w/ Rock Teet	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 - - 4 -				SM	ALLUVIUM Loose, dark brown, moist, Silty SAND	_			
- 5 -		1.11.							
- 6 -						-			
- 7 -						-			
- 8 -									
- 9 -					TEST PIT TERMINATED AT 9 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A21, Log of Test Pit, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE
	•			

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP3  ELEV. (MSL.) 1988' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe HAMMER TYPS' Bucket w/ Rock Teeth	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 -		g. ].		SM	FILL				
- 1 - - 2 -			-		Loose, dark brown, moist, Silty SAND, with 2- to 3-inch subrounded gravel	_			
- 3 -				SM	ALLUVIUM				
- 4 - - 5 - - 6 -			-		Loose, brown, moist, Silty SAND	_			
7 -					- with few to little clay				
- 8 -						-			
- 9 -				_	TECT DIT TEDMINIATED AT 0 FEET				
					TEST PIT TERMINATED AT 9 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A22, Log of Test Pit, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TES
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP4  ELEV. (MSL.) 1979' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe  HAMMER TYPE' Bucket w/ Rock Teeth	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 -				SM	ALLUVIUM Loose, dark brown, moist, Silty SAND, trace to few clay - brown	_			
- 3 - - 4 - - 5 -						_			
- 6 - - 7 - - 8 -						_			
8 -					TEST PIT TERMINATED AT 8 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A23, Log of Test Pit, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP5  ELEV. (MSL.) 1978' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe  HAMMER TYPS' Bucket w/ Rock Teet	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 - - 4 - - 5 - - 6 -				SM	ALLUVIUM Loose, moist, dark brown, Silty SAND	-			
- 7 -						_			
- 8 -									
					TEST PIT TERMINATED AT 8 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A24, Log of Test Pit, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	LITHOLOGY	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP6  ELEV. (MSL.) 1973' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe  HAMMER TYPE' Bucket w/ Rock Teet	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 - - 4 - - 5 -				SM	ALLUVIUM Loose, dark brown, moist, Silty SAND  - brown				
- 6 - - 7 -						_			
- 8 -					TEST PIT TERMINATED AT 8 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A25, Log of Test Pit, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST	DRIVE SAMPLE (UNDISTURBED)
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE	▼ WATER TABLE OR SEEPAGE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	ГІТНОГОСУ	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP7  ELEV. (MSL.) 1968' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe  HAMMER TYPE' Bucket w/ Rock Teeth	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 -				SC-SM	ALLUVIUM Loose, dark brown, moist, Silty Clayey SAND				
4 -									
- 5 - - 6 -				SM	RESIDUAL SOIL Loose, brown, moist, Silty SAND	_			
- 7 - - 8 -		+ + + + + + + + + + + + + + + + + + + +			TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: dense, moist, grayish brown, Silty SAND				
- 9 -					TEST PIT TERMINATED AT 9 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A26, Log of Test Pit, page 1 of 1

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE

DEPTH IN FEET	SAMPLE INTERVAL & RECOVERY	ГІТНОГОСУ	GROUNDWATER	SOIL CLASS (USCS)	TEST PIT TP8  ELEV. (MSL.) 1995' DATE COMPLETED 2/4/2020  ENG./GEO. Lauren Short DRILLER Geocon  EQUIPMENT John Deere 310L Backhoe HAMMER TYPE' Bucket w/ Rock Teeth	PENETRATION RESISTANCE (BLOWS/FT.)	DRY DENSITY (P.C.F.)	MOISTURE CONTENT (%)	ADDITIONAL TESTS
					MATERIAL DESCRIPTION				
- 0 - - 1 - - 2 - - 3 -			-	SM	RESIDUAL SOIL Loose, dark brown, moist, Silty SAND	_			
		+ +			TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK				
- 4 -					TONALITE OF THE BLUE CANYON Completely to highly weathered GRANITIC ROCK, excavates as: dense, moist, grayish brown, Silty SAND  TEST PIT REFUSAL AT 4 FEET NO GROUNDWATER ENCOUNTERED BACKFILLED WITH SOIL CUTTINGS				

Figure A27, Log of Test Pit, page 1 of 1

IN PROGRESS \$1445-05-11 CCC AUBERRY.GPJ 04/15/20

... DRIVE SAMPLE (UNDISTURBED)

... WATER TABLE OR SEEPAGE

		SAMPLING UNSUCCESSFUL	STANDARD PENETRATION TEST
GEOCON	SAMPLE SYMBOLS	DISTURBED OR BAG SAMPLE	CHUNK SAMPLE



#### FIELD INFILTRATION TEST DATA - Falling Head Method (Standpipe)

Project Name: CCC Auberry Project No.: S1445-05-11

By: L. Short Date: 02/06/2020

Test Location: IT1

<u>Pre-Soak:</u> 2/5/2020 - DTW 3.6 ft <u>Test Duration:</u> 455 Minutes

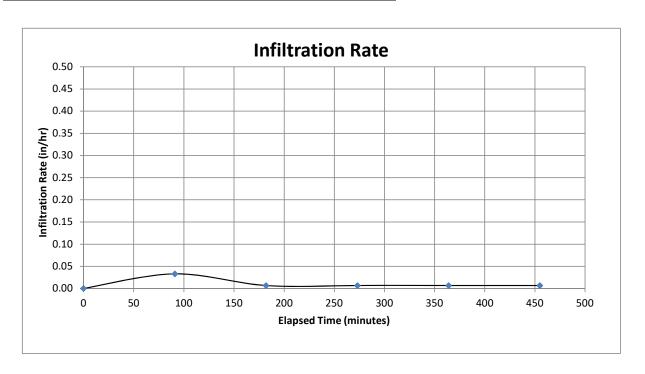
7.58 Hours

Depth of Test: 4.5 feet

Test Hole Dimensions: 6" outside diameter, 4.5 feet deep

Time	Elapsed Time (min)	Change in	Dooding (ft)	Fall (in)	Data (in/hr)
Time	Tillie (IIIIII)	time (min)	Reading (ft)	Fall (in)	Rate (in/hr)
9:06					
9:07	0	0	2.85	0.00	0.00
10:38	91	91	2.9	0.05	0.033
12:09	182	91	2.91	0.01	0.007
13:40	273	91	2.92	0.01	0.007
15:11	364	91	2.93	0.01	0.007
16:42	455	91	2.94	0.01	0.007

Stabilized Infiltration Rate: 0.01 (in/hr)





#### FIELD INFILTRATION TEST DATA - Falling Head Method (Standpipe)

Project Name: CCC Auberry Project No.: S1445-05-11

By: L. Short Date: 02/6/2020

Test Location: IT2

<u>Pre-Soak:</u> 2/5/2020 - DTW 4.0 ft <u>Test Duration:</u> 435 Minutes

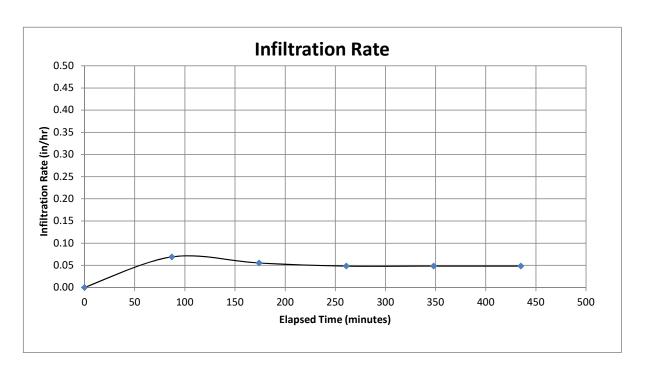
7.25 Hours

Depth of Test: 4.8 feet, 5 feet

Test Hole Dimensions: 6" outside diameter, 4.8 feet deep

	Elapsed	Change in			
Time	Time (min)	time (min)	Reading (ft)	Fall (in)	Rate (in/hr)
9:10			5.00		
9:12	0	0	4.00	0.00	0.00
10:39	87	87	4.10	0.10	0.069
12:06	174	87	4.18	0.08	0.055
13:33	261	87	4.25	0.07	0.048
15:00	348	87	4.32	0.07	0.048
16:27	435	87	4.39	0.07	0.048

Stabilized Infiltration Rate: 0.05 (in/hr)





#### FIELD INFILTRATION TEST DATA - Falling Head Method (Standpipe)

Project Name: CCC Auberry Project No.: S1445-05-11

By: L. Short Date: 02/6/2020

Test Location: IT3

<u>Pre-Soak:</u> 2/5/2020 - DTW 3.5 ft <u>Test Duration:</u> 465 Minutes

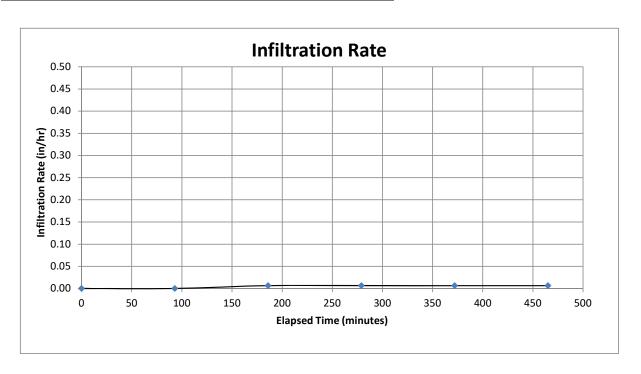
7.75 Hours

Depth of Test: 4.5 feet

Test Hole Dimensions: 6" outside diameter, 4.5 feet deep

	Elapsed	Change in			
Time	Time (min)	time (min)	Reading (ft)	Fall (in)	Rate (in/hr)
9:02			3.40		
9:04	0	0	2.40	0.00	0.00
10:37	93	93	2.40	0.00	0.000
12:10	186	93	2.41	0.01	0.0065
13:43	279	93	2.42	0.01	0.0065
15:16	372	93	2.43	0.01	0.0065
16:49	465	93	2.44	0.01	0.0065

Stabilized Infiltration Rate: 0.01 (in/hr)



# APPENDIX B

#### **APPENDIX B**

#### LABORATORY TESTING PROGRAM

Laboratory tests were performed in accordance with generally accepted test methods of the American Society for Testing and Materials (ASTM) or other suggested procedures. Selected soil samples were tested for their corrosion potential, in-situ dry density and moisture content, plasticity, grain size distribution, shear strength, R-value, and maximum dry density/optimum moisture content. The results of the laboratory tests are presented on the following pages.

TABLE 1
SOIL CORROSION PARAMETER TEST RESULTS
(CALIFORNIA TEST METHODS 643, 417, AND 422
ASTM TEST METHODS D1498m and 9031m)

Sample No.	Sample Depth (ft.)	pН	Minimum Resistivity (ohm-cm)	Chloride (ppm) / (%)	Sulfate (ppm) / (%)	Redox Potential (+ mv)	Sulfide (mg/kg)
B7, B8, B5 Bulk Composite	0-5	6.4	1,340	1.4 / 0.00014	5.0 / 0.00050		
B9-3.0	3.0	6.2	11,260	1.3 / 0.00013	1.9 / 0.00019	251	ND
B10-3.5	3.5	6.2	12,330	2.3 / 0.00023	2.1 / 0.00021	248	ND

Notes: ppm = parts per million ND = below detection limits of 0.05 mg/kg mv = millivolts --- = not tested for

Caltrans considers a site corrosive to foundation elements if one or more of the following conditions exist for the representative soil samples at the site:

- The pH is equal to or less than 5.5;
- The resistivity is equal to or less than 1,100 ohm-cm;
- Chloride concentration is equal to or greater than 500 parts per million (ppm); or
- Sulfate concentration is equal to or greater than 1,500 ppm.

According to 2019 California Building Code (CBC) Section 1904.1, which refers to the durability requirements of American Concrete Institute (ACI) 318 (Chapter 4), Type II cement may be used where soluble sulfate levels in soil are below 2,000 ppm.

TABLE B2 R-VALUE TEST RESULTS ASTM D2844

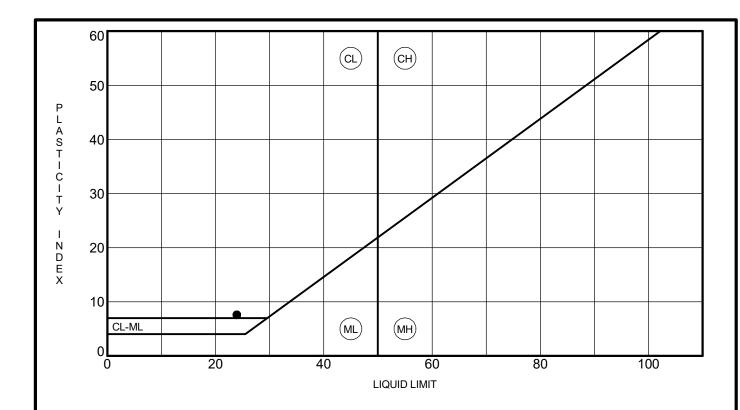
Sample Number	Sample Depth (feet)	Average Dry Density (pcf)	Average Moisture Content (%)	R-Value
B1, B2, B3 Bulk Composite	0-5	125.0	10.2	56

pcf = pounds per cubic foot

B1,B2,B3-Bulks	Depth (feet)	Liquid Limit	Plastic Limit	Plasticity Index	Expansion Index	%<#200 Sieve	Water Content (%)	Dry Density (pcf)
	0-5					32.4		
B1-3.5	3.5					26.1	12.0	121.2
B1-4.0	4					15.4		
B10-4.0	4					21.7	5.2	110.3
B10-5.5	5.5						5.7	110.3
B10-10.0	10						11.9	121.3
B11-4.0	4					42.8	5.9	
B11-5.5	5.5	24	16	8		40.8	10.7	
B11-6.0	6					38.4	14.6	
B12A-3.5	3.5					45.5	5.1	
B14-3.0	3						15.1	116.3
B14-3.5	3.5					19.6		
B15-3.5	3.5					19.3	7.4	104.7
B15-5.0	5						17.5	
B2-4.0	4						11.2	125.1
B2-5.5	5.5					26.5	10.7	
B2-6.0	6						9.9	117.1
B3-6.0	6						3.3	
B4-5.5	5.5						6.9	124.8
B5,B7,B8-Bulks	0-5					29.4		
B5-3.5	3.5					20.3	10.2	109.9
B5-6.0	6						10.5	118.4
B6-3.5	3.5					25.3	4.0	
B6-6.0	6						3.9	101.9
B6-8.5	8.5					21.9	5.8	107.3
B6-16.0	16					22.7		
B7-3.5	3.5						10.3	107.8
B7-6.0	6					31.1		
B8-3.0	3					21.5	5.8	102.9
B8-6.0	6					25.2	5.8	108.2
	3.5					19.4	5.3	
B9-3.5	5.5						9.0	114.3
B9-3.5 B9-5.5						31.5	11.2	124.5



### **Summary of Laboratory Results**



	Sample No.	Liquid Limit	Plastic Limit	Plasticity Index	% Pass #200 Sieve	Unified Soil Classification Description	Preparation Method
•	B11-5.5	24	16	8	40.8	Silty Clayey SAND (SC-SM)	



Geocon Consultants 3160 Gold Valley Drive, Suite 800 Rancho Cordova, CA 95742 GEOCON Telephone: 9168529118

## **ATTERBERG LIMITS (ASTM D4318)**

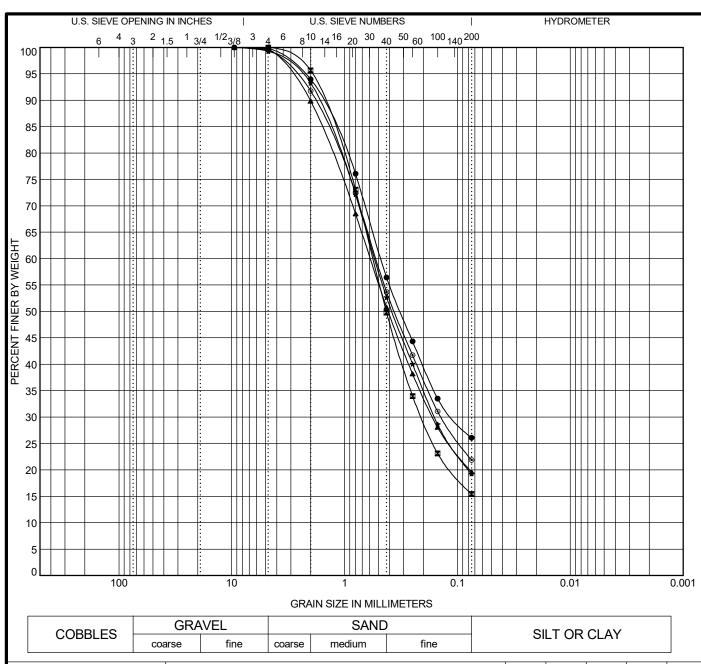
Project: CCC Auberry

Location: Auberry, Fresno County, California

Number: S1445-05-11

Figure: B2 Date:

PI COPY 2 S1445-05-11 CCC AUBERRY.GPJ US\_LAB.GDT 4/15/20



	Sample No.		Cl	assification	L	L PL	PI	Сс	Cu	
,	B1-3.5		Silt							
• N 10/50	B1-4.0		Silt							
	B14-3.5		Silt	y SAND (SM)						
*	B15-3.5		Silt	y SAND (SM)						
g 💿	B6-8.5		Silt	y SAND (SM)						
2	Sample No.	D100	D50	D30	D10	%Gravel	%Sand	%Silt	%	Clay
•	B1-3.5	9.5	0.32	0.108		0.2	73.7		26.1	
	B1-4.0	4.75	0.427	0.207		0.0	84.6		15.4	
3	B14-3.5	9.5	0.411	0.165		0.3	80.1	19.6		
	B15-3.5	9.5	0.38	0.159		0.7	80.0		19.3	
<u> </u>	B6-8.5	9.5	0.361	0.138		0.5	77.6	21.9		



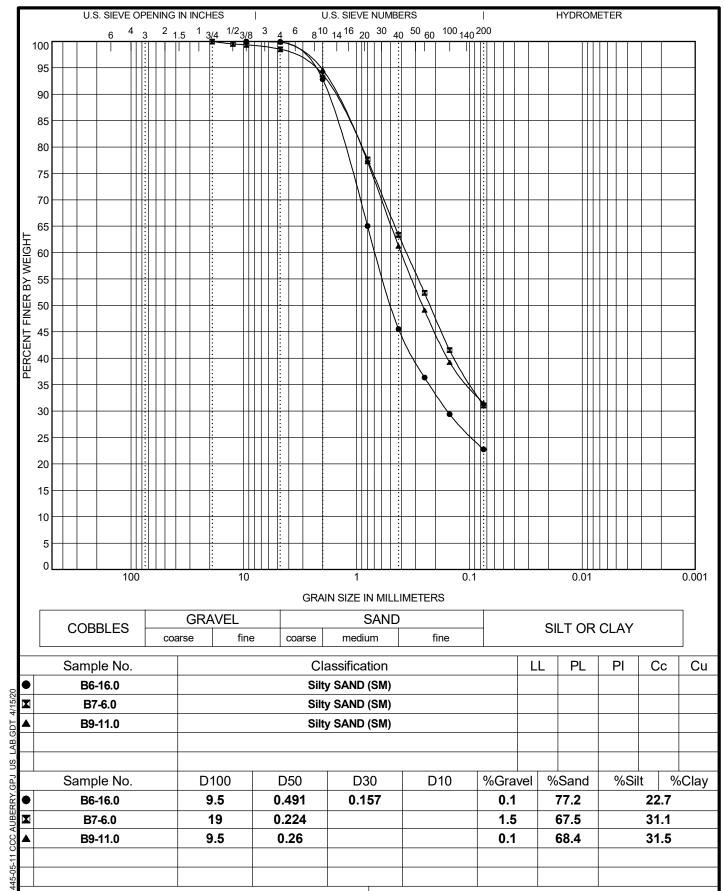
Geocon Consultants, Inc. 3160 Gold Valley Drive, Suite 800 Rancho Cordova, CA 95742

#### **GRAIN SIZE DISTRIBUTION (ASTM D422, D6913)**

Project: CCC Auberry

Location: Auberry, Fresno County, California

Number: S1445-05-11





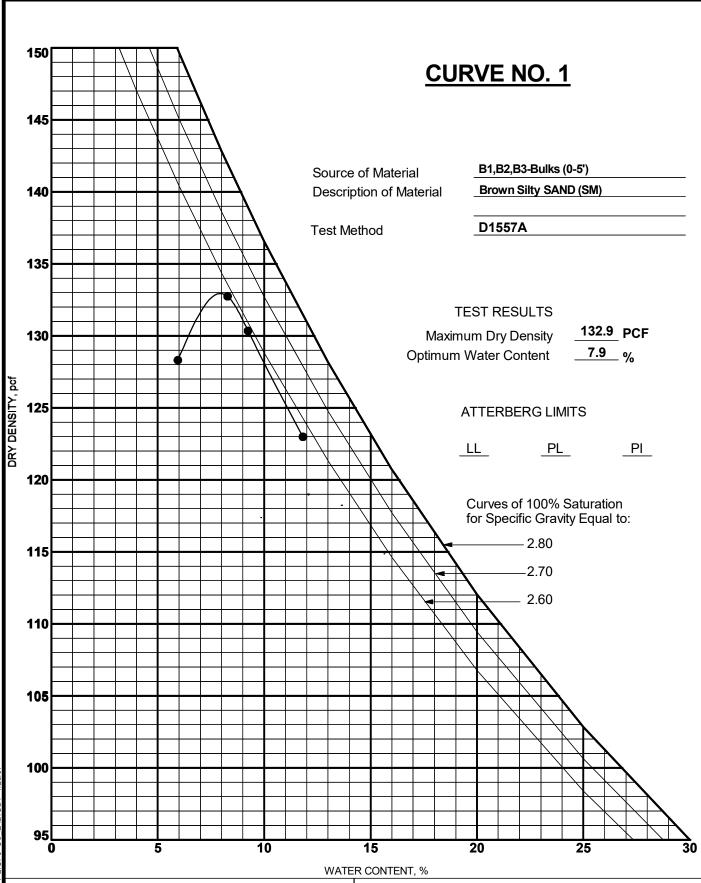
Geocon Consultants, Inc. 3160 Gold Valley Drive, Suite 800 Rancho Cordova, CA 95742 Telephone: 916-852-9118

#### **GRAIN SIZE DISTRIBUTION (ASTM D422, D6913)**

Project: CCC Auberry

Location: Auberry, Fresno County, California

Number: S1445-05-11





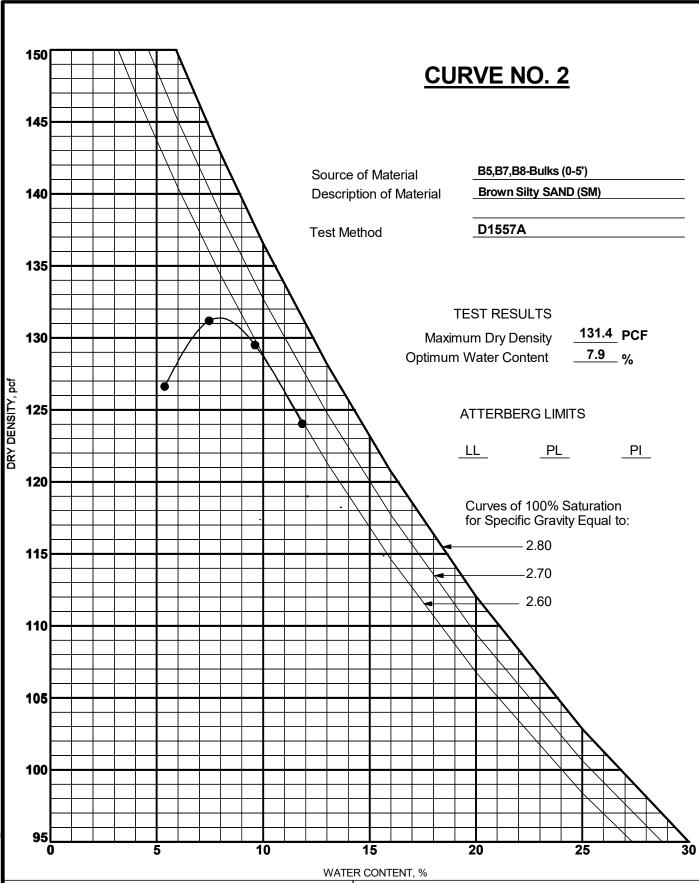
Geocon Consultants, Inc. 3160 Gold Valley Drive, Suite 800 Rancho Cordova, CA 95742 Telephone: (916) 852-9118

#### **MOISTURE-DENSITY RELATIONSHIP**

Project: CCC Auberry

Location: Auberry, Fresno County, California

Number: S1445-05-11





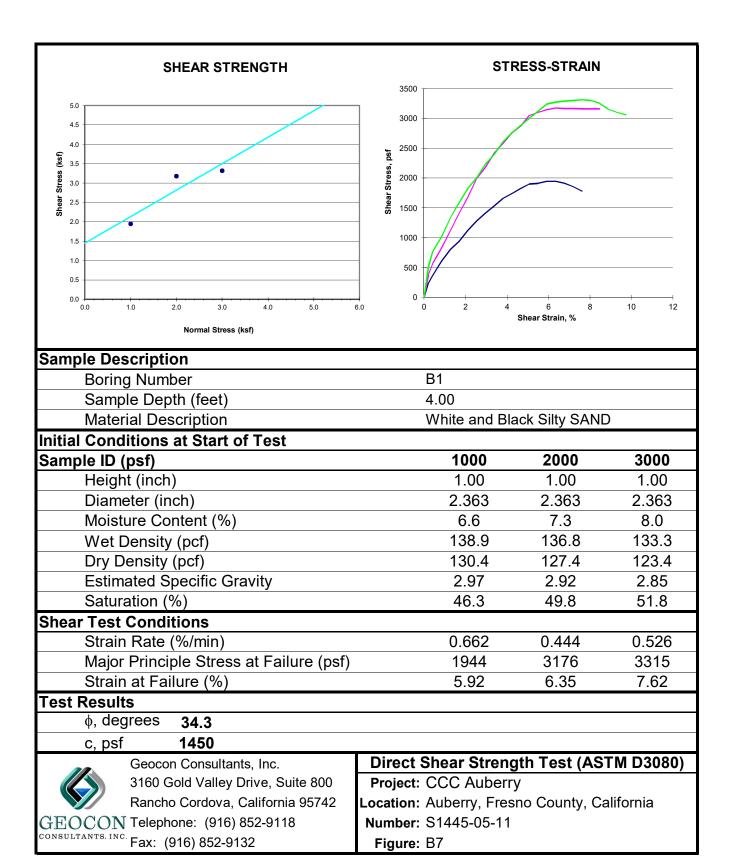
Geocon Consultants, Inc. 3160 Gold Valley Drive, Suite 800 Rancho Cordova, CA 95742 Telephone: (916) 852-9118

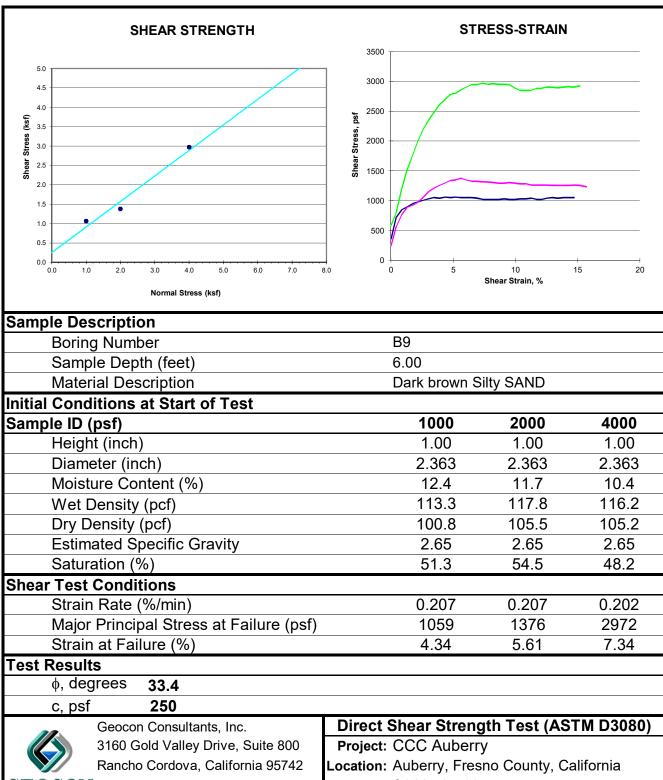
### **MOISTURE-DENSITY RELATIONSHIP**

Project: CCC Auberry

Location: Auberry, Fresno County, California

Number: S1445-05-11





GEOCON CONSULTANTS, INC.

GEOCON Telephone: (916) 852-9118

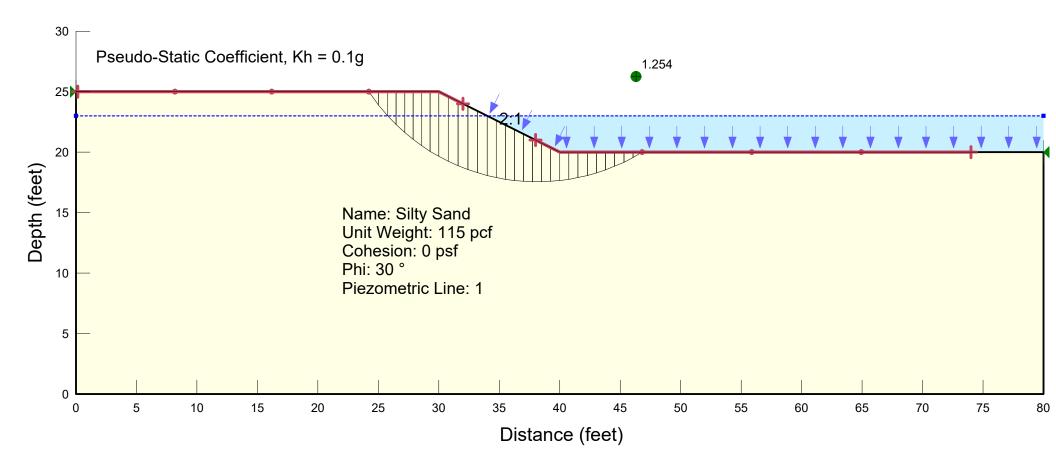
Fax: (916) 852-9132

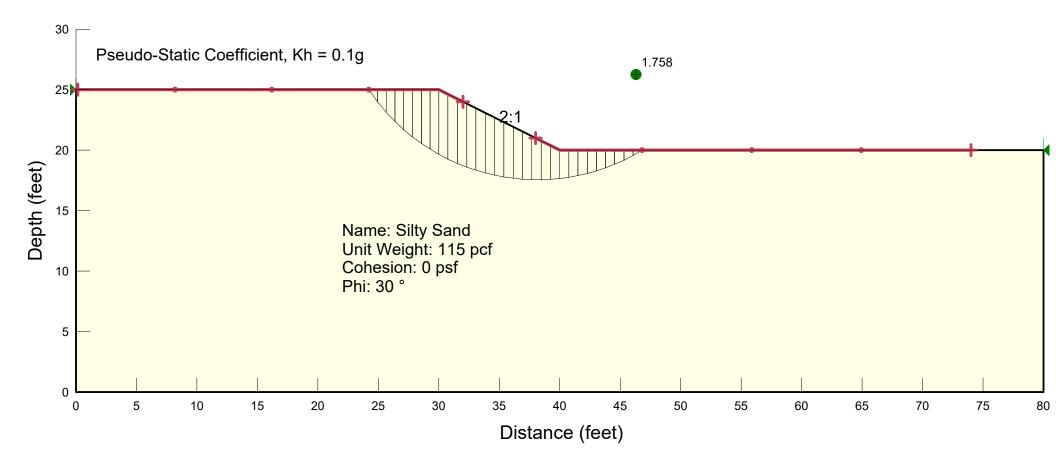
Number: S1445-05-11

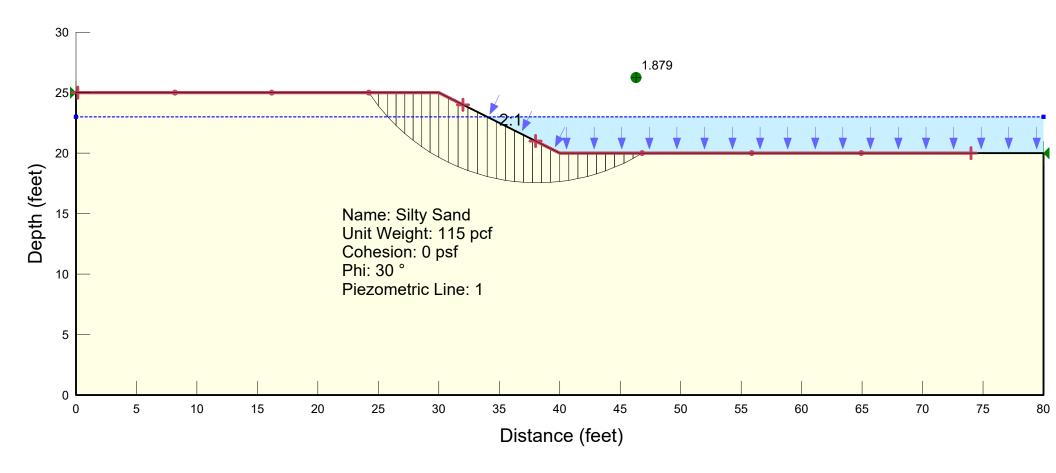
# APPENDIX C

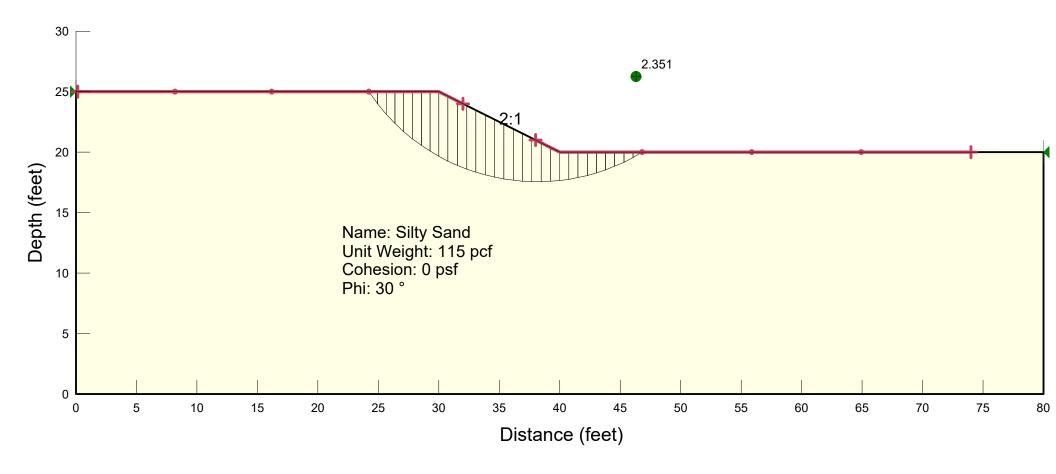
# APPENDIX C SLOPE STABILITY ANALYSIS





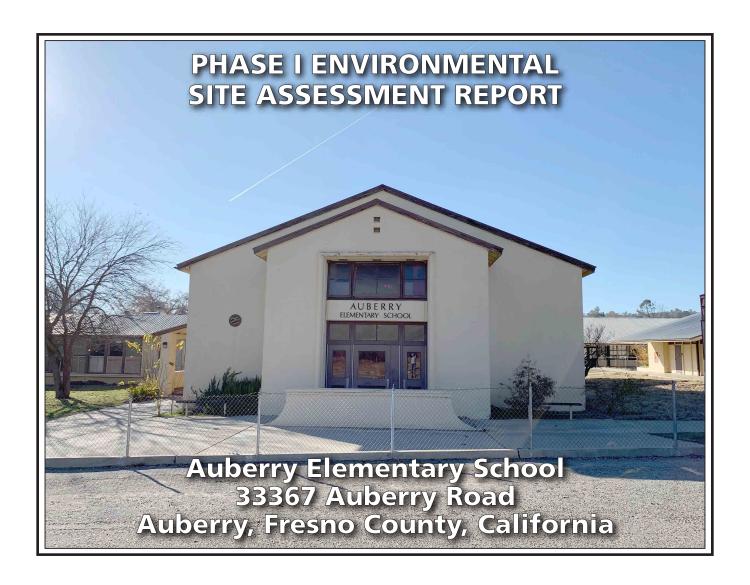






# APPENDIX E

Phase 1 Environmental Site Assessment Report, GEOCON Consultants. January 2019.



#### **PREPARED FOR:**

STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
707 3RD STREET, 5TH FLOOR
WEST SACRAMENTO, CALIFORNIA 95605

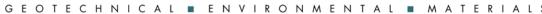
#### PREPARED BY:

GEOCON CONSULTANTS, INC. 3160 GOLD VALLEY DRIVE, SUITE 800 RANCHO CORDOVA, CALIFORNIA 95742











Project No. S1544-03-07 January 22, 2019

#### **VIA ELECTRONIC MAIL**

Terry Ash Senior Environmental Planner Department of General Services Real Estate Division 707 3<sup>rd</sup> Street West Sacramento, California 95605

Subject: PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

AUBERRY ELEMENTARY SCHOOL

33367 AUBERRY ROAD

AUBERRY, FRESNO COUNTY, CALIFORNIA

Ms. Ash:

In accordance with your request and our Proposal No. LS-18-316, dated September 26, 2018, we have performed a Phase I Environmental Site Assessment (ESA) of the property and improvements at 33367 Auberry Road (the Site) in Auberry, Fresno County, California. The approximate 33.27-acre Site is owned by the Sierra Unified School District and is identified by Fresno County assessor's parcel numbers 128-560-02 and 128-560-12. We performed the Phase I ESA for the Department of General Services (DGS, the Client) on behalf of the California Conservation Corps (CCC) to assess the potential for existing hazardous substances and/or petroleum product impacts at the Site prior to the Client and the CCC purchasing the Site.

This report summarizes the findings of the Phase I ESA including the potential presence of recognized environmental conditions as defined by the American Society for Testing and Materials (ASTM) Designation E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

We appreciate the opportunity to have performed this Phase I ESA for DGS. Please contact us if you have any questions concerning this report, or if we may be of further service.

Sincerely.

GEOCON CONSULTANTS, INC.

Cristian Virrueta Staff Geologist Jim Brake, PG Senior Geologist

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### PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

#### 1.0 INTRODUCTION

We have performed a Phase I Environmental Site Assessment (ESA) of the property and improvements at 33367 Auberry Road (the Site) in Auberry, Fresno County, California. We performed the Phase I ESA for the Department of General Services (DGS, the Client) on behalf of the California Conservation Corps (CCC) to assess the potential for existing hazardous substances and/or petroleum product impacts at the Site prior to the Client and the CCC purchasing the Site. This report summarizes the methodology and presents the findings of the Phase I ESA.

### 1.1 Purpose and Objectives

The purpose of the Phase I ESA was to identify evidence or indications of 'recognized environmental conditions' (REC) as defined by the American Society for Testing and Materials (ASTM) *Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.* Section 1.1.1 of ASTM *Designation E 1527-13* defines an REC as "the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions." De minimis conditions are those that generally do not present a threat to human health or the environment and that generally would not be the subject of the enforcement action if brought to the attention of appropriate governmental agencies.

ASTM *Designation E1527-13* also defines 'Historical' and 'Controlled' RECs (HREC and CREC, respectively). A 'Historical REC' is defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." A 'Controlled REC' is defined as "a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls)." An HREC is not an REC if the property meets current standards for unrestricted residential use. A CREC remains an REC by definition when the property does not meet the unrestricted residential use requirement unconditionally.

We also conducted the Phase I ESA in general accordance with the requirements of 40 Code of Federal Regulations (CFR) Part 312 titled *Standards and Practices for All Appropriate Inquiries*, as required under Sections 101(35)(B)(ii) and (iii) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The purpose of conducting an all appropriate inquiries investigation into the previous ownership and uses of a property is to meet the provisions necessary for the landowner, contiguous property owner, and/or bona fide prospective purchaser to qualify for certain landowner liability protections under CERCLA.

The following principles are an integral part of ASTM *Designation E1527-13*:

- "Uncertainty Not Eliminated No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and this practice recognizes reasonable limits of time and cost."
- "Not Exhaustive All Appropriate Inquiries does not mean an exhaustive assessment of a property. There is a point at which the cost of information obtained or the time required to gather it outweighs the usefulness of the information and, in fact, may be a material detriment to the orderly completion of transactions. One of the purposes of this practice is to identify a balance between the competing goals of limiting the costs and time demands inherent in performing an environmental site assessment and the reduction of uncertainty about unknown conditions resulting from additional information."
- "Level of Inquiry is Variable Not every property will warrant the same level of assessment. Consistent with good commercial and customary practice, the appropriate level of environmental site assessment will be guided by the type of property subject to assessment, the expertise and risk tolerance of the user, and the information developed in the course of the inquiry."

### 1.2 Scope of Services

Our Proposal No. LS-18-316 dated September 26, 2018 describes the scope of services for this Phase I ESA. We performed the scope of services outlined in the proposal with the exception that we did not review Sanborn fire insurance maps (Sanborn maps) as Environmental Data Resources, Inc. (EDR) indicated that Sanborn map coverage do not exist for the Site and vicinity.

The main components of the Phase I ESA and their objectives, as specified by the referenced standards, include the following:

• **Physical Setting**: We reviewed physical setting references to obtain information concerning the topographic, geologic, and hydrogeologic characteristics of the Site and vicinity. Such information may be indicative of the direction and/or extent that a contaminant could migrate in the event of a spill or release.

- Records Review: We reviewed publicly available Federal, State, and local regulatory
  agency records to obtain information that could potentially help identify RECs at or
  potentially affecting the Site.
- **Site History**: We reviewed historical references to assess the history of previous uses of the Site and surrounding area to identify those that could have led to RECs on or near the Site. Historical sources reviewed included aerial photographs, topographic maps, and city directories.
- **Site Reconnaissance**: We performed a site reconnaissance to observe site conditions and activities for indications of evidence of RECs. The site reconnaissance was for the Site only. Offsite properties and features were viewed solely from the vantage of the Site and public thoroughfares.

# 1.3 Report Limitations

The Phase I ESA report has been prepared exclusively for the Client. The information obtained is only relevant for the dates of the records reviewed and the latest site visit. Therefore, the information contained herein is only valid as of the date of the report and will require an update after 180 days to reflect updated records and another reconnaissance to assess current site conditions.

The Client should recognize that a Phase I ESA is not a comprehensive site characterization and should not be construed as such. The findings and conclusions presented in this report are predicated on the site reconnaissance, information in the specified regulatory records, and information regarding the historical usage of the Site, as presented in this report. The Client should also understand that wetlands, asbestos-containing building materials, lead-containing paint, lead in drinking water, radon, mercury related to mining activities, methane, and mold surveys were not included in the scope of services for this Phase I ESA. Assessment for potential naturally occurring hazards such as asbestos and arsenic also was not included.

Therefore, the report should only be deemed conclusive with respect to the information obtained. No guarantee or warranty of the results of the Phase I ESA is implied within this report or any subsequent reports, correspondence or consultation, either express or implied. We strived to conduct the services summarized herein in accordance with the local standard of care in the geographic region at the time the services were rendered.

### 1.4 Data Gaps

A data gap is defined by ASTM *Designation E 1527-13* as "a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information." Data gaps could include such things as insufficient historical information, the inability to interview persons with direct site knowledge (e.g., the owner(s), past owner(s), tenants, workers, etc.) or the lack of access to all parts of a site during the site reconnaissance. We identified no data gaps during this Phase I ESA.

As stated in Section 1.2, we did not review Sanborn maps for the Site because coverage does not exist for the Site and vicinity. However, we do not consider the lack of Sanborn map coverage a data gap because we were able to review other sufficient historical information.

We also did not receive a completed user questionnaire from the Client or CCC. However, we received sufficient information regarding the Site from the site owner and from the Client via an interview such that we do not consider the lack of a user questionnaire a data gap.

### 2.0 SITE DESCRIPTION

This section provides information regarding the location and physical characteristics of the Site including its size, topography, geologic, soil, and hydrogeologic conditions.

# 2.1 Location and Legal Description

The approximate 33.27-acre Site is located at 33367 Auberry Road in Auberry, Fresno County, California (Figure 1). The Site is depicted on the United States Geological Survey's (USGS) *Auberry, California* 7.5-minute topographic map (USGS, 2004) in the northwestern quarter of Section 8 of Township 10 South, Range 23 East, Mount Diablo Base and Meridian.

The Fresno County assessor's parcel numbers for the Site are 128-560-02 and 128-560-12. A parcel map depicting the Site is in Appendix A.

### 2.2 Site and Vicinity General Characteristics

The Site is a vacant elementary school and grounds (Figure 2). The Site is located in an area of undeveloped parcels to the west and east, predominantly rural (large-acreage) residential to the north and east, and commercial development to the south along Auberry Road.

### 2.2.1 Topography

The USGS *Auberry*, *California* 7.5-minute topographic map (USGS, 2004) shows the topography of the Site as hilly with gentle slopes to the east at an elevation of approximately 1,983 feet above mean sea level (MSL).

### 2.2.2 Geologic Conditions

The Site is located in the foothills of the southern Sierra Nevada geomorphic province of California. The Sierra Nevada province of California is a tilted fault block, which is overlain by the sediments of the Great Valley province to the west. In general, the Sierra Nevada province is composed of metamorphic bedrock along its western boundary and intrusive bedrock in its central and eastern portions.

Published geologic mapping depicts the site vicinity as underlain by Quaternary-age alluvium (map symbol Qal), which generally consists of stream deposits, chiefly underlying meadows over the Late Cretaceous Tonalite of Blue Canyon facies (map symbol Kbl) characterized by medium-grained biotite-

hornblende tonalite with large euhedral hornblende prisms and includes small areas of biotite-hornblende granodiorite (USGS, 1976).

Fronk's Mountain Drilling prepared a Department of Water Resources (DWR) *Well Completion Report* for a public water supply well installed onsite and dated October 21, 2003. The report included a stratigraphic log from drilling of the well boring approximately 805 feet deep. Soil and rock encountered in this boring is described as approximately 0 to 5 feet of top soil, 5 to 12 feet of granite, overlying decomposed and oxidized granite. Groundwater was encountered at 277 feet.

### 2.2.3 Soil Conditions

We obtained information concerning soil conditions in proximity to the Site from the United States Department of Agriculture - Natural Resources Conservation Service Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm). Web Soil Survey information indicates that surficial onsite soil is classified as:

- **Visalia Sandy Loam** moderately well-drained, very deep sandy loams derived from granitic alluvium on alluvial fans and flood plains at 400 to 2,000 feet elevation;
- **Auberry Coarse Sandy Loam** deep, well-drained soils formed in material weathered from intrusive igneous rocks; and
- **Auberry Very Rocky Coarse Sandy Loam** residuum weathered from basic igneous rock and or metamorphic rock.

### 2.2.4 Hydrologic and Hydrogeologic Conditions

As described above, groundwater was encountered in a boring advanced onsite at a depth of 277 feet. Additionally, in a telephone conversation with Shelton Gray of the Central Valley Regional Water Quality Control Board (CVRWQCB), Mr. Gray stated that depth to groundwater measured in four onsite groundwater monitoring wells ranged from 8.01 to 16.40 feet in October 2002. Groundwater flow beneath the Site was calculated to be to the south-southwest.

### 2.3 Current and Planned Uses of the Site

The Site is not currently used for any purpose. The CCC plans to redevelop the Site with a CCC training facility comprising administration, dormitory, education, and recreation buildings and a warehouse.

# 2.4 Descriptions of Structures, Roads, Other Improvements on the Site

The vacant elementary school comprises seven buildings, four portable classrooms, and a maintenance garage. The Site is accessed via an asphalt-paved driveway near the intersection of Auberry Road and Power House Road on the eastern side of the Site and from Power House Road near the northeastern corner of the Site. A concrete courtyard and asphalt-paved play areas are located in the central and southern portions of the Site. An Auberry Volunteer Fire Department

station is located in the northeastern portion of the Site. The current site configuration is shown in Figure 2. Further description of site conditions is in Section 6.0.

# 2.5 Current Uses of Adjoining Properties

Adjoining and adjacent properties consist of undeveloped parcels to the west, commercial properties to the south, and larger-acreage rural residential to the north and beyond Auberry Road to the east. Further description of adjoining properties is in Section 6.0.

#### 3.0 USER-PROVIDED INFORMATION

This section summarizes user-provided information regarding the Site provided by Terry Ash with DGS. We asked Ms. Ash if she knew of previous environmental reports or documents that may exist and, if so, whether copies could be provided. We also asked if she had knowledge of legal or administrative proceedings involving the Site. We have yet to receive a completed user questionnaire from DGS or the CCC. If they provide any pertinent information about the Site, we will summarize that information in an addendum to this report.

# 3.1 Title, Appraisal and Sale Agreement Records

Ms. Ash did not provide a preliminary title report, or appraisal or sale agreement records for the Site.

# 3.2 Environmental Liens or Activity and Use Limitations

Ms. Ash indicated that she is not aware of any environmental liens or activity and use limitations for the Site.

# 3.3 Specialized Knowledge

Ms. Ash does not have specialized knowledge regarding site conditions that would indicate environmental or health hazards.

### 3.4 Commonly Known or Reasonably Ascertainable Information

Ms. Ash believes the property has only been utilized as a school.

# 3.5 Valuation Reduction for Environmental Issues

Ms. Ash is not aware of any environmental conditions on the Site, which could lead to a potential valuation reduction for the Site.

# 3.6 Owner, Property Manager, and Occupant Information

The Sierra Unified School District (SUSD) is the owner of the Site. Jim Harris with the SUSD completed an owner questionnaire with that information summarized in Section 7.0.

# 3.7 Reason for Performing Phase I ESA

The Client requested the Phase I ESA to obtain information regarding the potential for existing hazardous substances and/or petroleum product impacts at the Site prior to the DGS and CCC purchasing the Site.

#### 4.0 RECORDS REVIEW

This section summarizes information we obtained from readily available agency records pertaining to the Site and properties and facilities in the vicinity of the Site.

# 4.1 Standard Environmental Record Sources

EDR searched federal, state, and local environmental databases for the Site and properties/facilities within one mile of the Site. The following table lists the databases that were searched which have listings and the number of properties/facilities listed. Other databases searched that do not list any properties/facilities are not included in the table. A copy of the report: *The EDR Radius Map*<sup>TM</sup> *Report with GeoCheck*®, dated December 6, 2018, is in Appendix C.

Database Name	Search Radius (Miles)	Number of Listings	
STATE, LOCAL, AND TRIBAL DATABA	ASES		
Department of Toxic Substances Control [DTSC] Site Mitigation and Brownfields Reuse Program (ENVIROSTOR)	1.0	1	
Solid Waste Facilities/Landfill Sites (SWF/LF)	0.5	1	
Leaking Underground Storage Tank (LUST)	0.5	8*	
Aboveground Storage Tank (AST)	0.25	2	
ADDITIONAL ENVIRONMENTAL RECO	ORDS		
CERS (California Environmental Reporting System)	0.25	1*	
SWEEPS UST (Statewide Environmental Evaluation and Planning System – UST Listing)	0.25	5*	
HIST UST (Historical UST Properties/Facilities)	0.25	9*	
CUPA Listings (Certified Unified Program Agency)	0.25	7	
FINDS (Facility Index System)	0.001	1*	
HAZNET (Facility and Manifest Data)	0.001	1*	
HIST CORTESE (Historical Hazardous Waste & Substance Site List)	0.5	3	
Recovered Government Archive (RGA LUST)	0.001	1	
EDR HIGH RISK HISTORICAL RECORDS			
EDR Exclusive Historic Gas Stations (EDR Hist Auto)	0.125	2	
*Indicates that the Site is listed in the database.			

# 4.1.1 Site

The Site is listed in the LUST, SWEEPS UST, HIST UST, HAZNET, FINDS, CUPA Listings, CERS, and RGA LUST databases. The Site is listed in the LUST database for an investigation concerning a leaking underground storage tank (UST). The CVRWQCB closed the case in 2004. The Site is listed in the SWEEPS UST and HIST UST databases for permits documenting six USTs (two gasoline and four diesel) installed onsite between 1936 and 1984. The Site is listed in the HAZNET database for generating and disposing (offsite) 0.2625 tons of unspecified waste in 2012. No other pertinent information is provided by the FINDS, CUPA Listings, CERS, and RGA LUST databases. Further information regarding the LUST case and former USTs is provided in Section 4.3.1.

# 4.1.2 Offsite Properties

One property within 1/8 mile of the Site is listed on various non-release databases<sup>1</sup> and therefore is unlikely to have caused an REC at the Site. The following table summarizes information regarding properties less than 1/4 mile from the Site that are listed on one or more release-related databases, the status of their listings, and their potential, if any, to cause (or have caused) an REC at the Site.

Business	Address	Approximate Distance from the Site and Gradient Position	Database	Pertinent Information/Potential to Impact the Site
Auberry General Store	33251 Auberry Road	103 feet south (downgradient)	LUST, HIST UST, EDR Hist Auto, CUPA Listings, HIST CORTESE, CERS, CIWQS, SWEEPS UST	This former gas station is listed on the LUST database for a release that affected soil and groundwater with gasoline. The Fresno County Environmental Health Department (FCEHD) closed the LUST case in June 2017. No other pertinent information is provided by the other databases. This facility's downgradient location relative to the Site and closed status suggests that the release at this facility is unlikely to have caused an REC at the Site.

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<sup>&</sup>lt;sup>1</sup> "Release" refers to an unauthorized release of a petroleum product or hazardous substance to the environment - i.e. the ground surface, soil, soil vapor, groundwater, or surface water on a property. "Release-related database" refers to those which provide information regarding an unauthorized release. "Non-release-related database" refers to those that may report use, storage, or disposal of hazardous substances and/or petroleum products or other environmental conditions, but do not report releases of such.

Business	Address	Approximate Distance from the Site and Gradient Position	Database	Pertinent Information/Potential to Impact the Site
Former Exxon	33260 Powerhouse Road	249 feet northeast (cross- to upgradient)	LUST, HIST CORTESE, HIST UST, SWEEPS UST, CUPA Listings	This former gas station is listed on the LUST database for a release that affected soil with gasoline. The FCEHD closed the LUST case in May 1991. No other pertinent information is provided by the other databases. This facility's closed status suggests that the release at this facility is unlikely to have caused an REC at the Site.
Auberry Garage	33246 Auberry Road	346 feet southeast (downgradient)	LUST, CERS, SWEEPS UST, CUPA Listings, EDR Hist Auto	This former gas station is listed on the LUST database for a release that affected soil and groundwater with gasoline. The LUST case is currently open for site assessment. No other pertinent information is provided by the other databases. This facility's downgradient location suggests that the release at this facility is unlikely to have caused an REC at the Site.
Fresno County Yard #5	33148 Auberry Road	581 feet southeast (downgradient)	LUST, SWF/LF, SWEEPS UST, CUPA Listings, HIST UST, AST	This facility is listed on the LUST database for a release that affected soil with diesel. The FCEHD closed the LUST case in December 2001. No other pertinent information is provided by the other databases. This facility's downgradient location and closed status suggests that the release at this facility is unlikely to have caused an REC at the Site.
Former Chevron	33105 Auberry Road	841 feet south (downgradient)	LUST, CERS, CUPA Listings	This former gas station is listed on the LUST database for a release that affected soil and groundwater with gasoline. The LUST case is currently open for verification monitoring. No other pertinent information is provided by the other databases. This facility's downgradient location suggests that the release at this facility is unlikely to have caused an REC at the Site.

# 4.2 Orphan Summary

The Orphan Summary identifies facilities that have incomplete address information and could not be specifically plotted. No properties (greater than one mile from the Site) are listed on the Orphan Summary.

### 4.3 Other Environmental Record Sources

### 4.3.1 GeoTracker and EnviroStor

We reviewed information available on GeoTracker and the California Department of Toxic Substances Control's (DTSC) EnviroStor (<a href="http://www.envirostor.dtsc.ca.gov/public/">http://www.envirostor.dtsc.ca.gov/public/</a>) database for information regarding environmental assessment and cleanup at the Site and/or properties/facilities within 1/4 mile of the Site. No information for the Site or properties/facilities within 1/4 mile of the Site is available on EnviroStor. Information regarding the Site and offsite properties or facilities within a 1/4 mile of the Site on GeoTracker is summarized below.

Auberry Elementary School - 33367 Auberry Road - The most recent CVRWQCB report on GeoTracker - Case Closure Letter and Summary, prepared by the CVRWQCB and dated May 25, 2004, shows that two 1,000-gallon gasoline USTs, one 1,000-gallon diesel UST, and associated dispensers were removed south of the maintenance garage and a 2,500-gallon diesel UST was removed near the southeastern corner of the administration building on August 16, 1991. Only total petroleum hydrocarbons as diesel (TPHd) was detected in a base soil sample at a concentration of 180 mg/kg from the diesel UST south of the maintenance garage. On June 11, 1997, a 1,000-gallon diesel UST was removed near the southeastern corner of the administration building and an unknown capacity diesel UST was removed from a parking area in the central portion of the campus. TPHd was detected in a base soil sample at a concentration of 76 mg/kg for the first UST and 1,000 micrograms per liter (µg/L) in a water sample collected beneath the second UST. In a routine sampling event of three water supply wells at the Site on March 12, 2001, methyl tert-butyl ether (MTBE) was detected in two of the three wells. The well with concentrations that exceeded the MTBE drinking water screening level, located in the northern portion of the campus, was removed from the school water supply system. After pumping approximately 30,000 gallons of water out of the northern-most well, MTBE concentrations have been at or less than drinking water screening levels since October 2003. The CVRWQCB concluded that a small gasoline discharge to the septic system or a surface source near the water supply well was likely responsible for the MTBE. The minor releases of diesel fuel from two of the former USTs produced negligible groundwater impact and the residual petroleum hydrocarbons are expected to degrade naturally. Regardless of the source, the historical presence of petroleum hydrocarbons and associated chemical components in groundwater beneath the Site is an REC for the Site.

The following offsite properties/facilities are also listed on GeoTracker:

- Auberry General Store (33251 Auberry Road),
- Former Exxon (33260 Powerhouse Road),
- Auberry Garage (33246 Auberry Road),
- Fresno County Yard #5 (33148 Auberry Road), and
- Former Chevron (33105 Auberry Road).

The information obtained from various regulatory databases for the facilities summarized in Section 4.1.2 is also available on GeoTracker. As described in section 4.1.2, based on the available information for these facilities, their respective releases are not anticipated to have caused an REC at the Site.

### 4.3.2 Fresno County Environmental Health Division

The FCEHD indicated that they have 604 documents pertaining to the Site accessible via the FCEHD's online document portal. These documents include food facility inspection reports, water quality results, UST permits, well completion reports, Auberry Elementary maps and plans, and letters from the CVRWQCB. Water quality results for the drinking water supply wells onsite indicate that the water has tested positive for coliform bacteria in the past. There is no DWR well destruction report on file with the FCEHD for the four groundwater monitoring wells installed in March 2002.

### 4.3.3 **DOGGR**

We reviewed the State of California Department of Conservation, Division of Oil, Gas, and Geothermal Resources (DOGGR) online mapping system for information regarding the location and status of any oil or natural gas exploration or production at or in the vicinity of the Site. The DOGGR online mapping system does not show oil or gas wells within 1/2 mile of the Site.

#### 5.0 HISTORICAL USE

We evaluated the historical use of the Site and adjacent properties through review of historical aerial photographs, historical topographic maps, and city directories provided by EDR. This section summarizes information obtained from these sources.

### 5.1 Aerial Photographs

We reviewed historical aerial photographs for the years 1946, 1950, 1957, 1963, 1975, 1978, 1985, 1998, 2005, 2009, 2012 and 2016 (Appendix D) for indications of past land uses that had the potential to have impacted the Site through the use, storage or disposal of hazardous substances and/or petroleum. The following table summarizes our observations of the Site and adjacent properties on the aerial photographs.

Vaar	Observations		
Year	Site	Adjacent Properties	
1946 (1" = 500')	The Site was open space land with Little Sandy Creek west of the Site. A single school building was present near the eastern boundary of the Site.	Surrounding properties were similar open space with development southeast of the Site. A road with a fork was present east of the Site. A northwest-southeast oriented railway bed of the former San Joaquin and Eastern railroad was present west of the Site.	

Year	Observations			
Teal	Site	Adjacent Properties		
1950 (1" = 500')	The resolution of the photograph is poor; however it appears that conditions were similar to those observed on the 1946 photograph.	The resolution of the photograph is poor; however it appears that conditions were similar to those observed on the 1946 photograph.		
1957 (1" = 500')	Conditions were similar to those observed on the 1950 photograph except that three school buildings were present on the Site.	Conditions were similar to those observed on the 1950 photograph with the exception that Auberry Road had been rerouted and areas north and southeast of the Site had been developed. A narrow airstrip approximately 2,000 feet long was present west of the Site and a small building was present at the fork between Auberry Road and Powerhouse Road.		
1963 (1" = 500')	Conditions were similar to those observed on the 1957 photograph.	Conditions were similar to those observed on the 1957 photograph except that areas south and southeast of the Site had been developed.		
1975 (1" = 500')	The resolution of the photograph is poor; however it appears that conditions were similar to those observed on the 1963 photograph except the school had added two buildings and an oval track.	The resolution of the photograph is poor; however it appears that conditions were similar to those observed on the 1963 photograph.		
1978 (1" = 500')	The resolution of the photograph is poor; however it appears that conditions were similar to those observed on the 1975 photograph.	The resolution of the photograph is poor; however it appears that conditions were similar to those observed on the 1975 photograph.		
1985 (1" = 500')	Conditions were similar to those observed on the 1978 photograph except the Auberry volunteer fire department building was present in the eastern portion of the Site.	The railway bed was no longer present. Commercial development had increased along Auberry Road southeast of the Site. Residential development had increased northeast of the Site.		
1998 (1" = 500')	Conditions were similar to those observed on the 1985 photograph except the school had added three portable classrooms.	Conditions were similar to those observed on the 1985 photograph except the small building located at the fork between Auberry Road and Powerhouse Road was no longer present.		
2005 (1" = 500')	Conditions were similar to those observed on the 1998 photograph except that an unimproved road was present in the northern portion of the Site.	Conditions were similar to those observed on the 1998 photograph except a building was present south of the Site.		
2009 (1" = 500')	Conditions were similar to those observed on the 2005 photograph.	Conditions were similar to those observed on the 2005 photograph.		
2012 (1" = 500')	Conditions were similar to those observed on the 2009 photograph.	Conditions were similar to those observed on the 2009 photograph.		
2016 (1" = 500')	Conditions were similar to those observed on the 2012 photograph except the oval track, a portable classroom, and the unimproved road were no longer present.	Conditions were similar to those observed on the 2012 photograph.		

The aerial photographs do not depict features or land uses that directly suggest the presence of RECs on the Site or adjacent properties.

# 5.2 Topographic Maps

We reviewed historical topographic maps for the years 1904, 1953, 1981, 1983, 2004, and 2012 (Appendix E). The following table summarizes our observations of the Site and adjacent properties on the historical topographic maps.

Vacr	Observations			
Year	Site	Adjacent Properties		
1904 (1:125,000)	No structures or land uses are depicted on the Site. Little Sandy Creek is depicted on the western portion of the Site.	No structures or land uses are depicted on the adjacent properties. A road is depicted east of the Site. The San Joaquin and Eastern railroad is depicted west of the Site.		
1953 (1:62,500)	Five structures are depicted on the Site.	Similar to conditions depicted on the 1904 map. The railroad is not depicted.		
1981, 1983 (1:24,000)	Conditions are similar to those depicted on the 1953 map. Two additional structures and an oval track are depicted on the Site.	Similar to conditions depicted on the 1953 map. A landing strip is depicted west of the Site and a trailer park is depicted north of the Site. Sewage disposal ponds are located ½ mile north of the Site.		
2004 (1:24,000)	Conditions are similar to those depicted on the 1981 and 1983 map. A fire station is depicted near the eastern boundary of the Site.	Similar to conditions depicted on the 1981 and 1983 map. Substantial development is depicted northeast and southeast of the Site.		
2012 (1:24,000)	Conditions are similar to those depicted on the 2004 map.	Similar to conditions depicted on the 2004 map.		

The topographic maps do not depict features or land uses that directly suggest the presence of RECs on the Site or adjacent properties.

# 5.3 City Directories

EDR prepared an abstract of city directories including city, cross reference and telephone directory listings (Appendix F). EDR included information from directories at approximate 5-year intervals, if available, from 1977 to 2014.

# 5.3.1 Site Addresses

The Site address 33367 Auberry Road is listed in the city directories for the following occupants/years:

- Sierra Unified School Dist (1995-2010),
- Golden Hills School (1992), and
- Auberry Elementary (1982-1987).

### 5.3.2 Offsite Addresses

The city directories list various commercial businesses and individual homeowners for adjacent properties. Other than the former gas stations and the Auberry Garage, which still operates as a motor repair facility, none of the various commercial businesses listed suggest the use, storage, release, or disposal of hazardous substances or petroleum products.

# 6.0 SITE RECONNAISSANCE

This section summarizes our observations of the Site and surrounding properties made during the site reconnaissance.

### 6.1 Methodology and Limiting Conditions

Cord Dennig, Senior Staff Scientist and Cristian Virrueta, Staff Geologist both with Geocon Consultants Inc., performed the site reconnaissance on December 13, 2018, by walking throughout the Site and along the site perimeter to observe site features and conditions. Mr. Dennig and Mr. Virrueta were accompanied by Mr. Harris with the SUSD. The offsite survey was performed by making observations of adjacent properties from the Site and private roads. Weather on the day of the site reconnaissance was sunny with temperatures in the mid-60s°F. Photos of various site features and offsite properties are appended.

# 6.2 Site Setting

The Site is situated in an area of undeveloped parcels, rural residential, and commercial uses.

# 6.3 Onsite Survey

The Site is a vacant elementary school with classrooms, a gymnasium, cafeteria, library, asphalt-paved driveways and parking lot, maintenance garage, and open space vegetated with grasses, trees, and brush. The Auberry Volunteer Fire Department station is in the northeastern portion of the Site (Figure 2).

### 6.3.1 School Campus

As shown on Figure 3, the main school campus consists of seven permanent buildings and four portable classrooms. Five permanent buildings house the office, gymnasium, cafeteria, kitchen, classrooms, restrooms, and two boiler rooms (Photos 1 through 8). A boiler, sump, and floor drain are present in each of the boiler rooms in the lower level of the cafeteria building and the southern end of the gymnasium, administration, and classroom building (Photos 9 through 14). Two permanent buildings (Photos 15 and 16), two portable classrooms (Photos 17 and 18), a maintenance garage, and an asphalt-paved parking lot are to the north and northwest of the cafeteria building. The permanent buildings house the library and more classrooms.

The Auberry Volunteer Fire Department station in the northeastern portion of the Site comprises a garage, a mobile office, storage containers, an emergency vehicle, and a water holding tank (Photo 19).

The SUSD currently rents out the maintenance garage to MountainFlame Propane, a local propane distributor. Twenty five refurbished 100- to 1,000-gallon propane containers were temporarily stored on the parking lot (Photos 20). An empty 500-gallon split gasoline and diesel AST, a storage shed with old cans and 5-gallon buckets of paint and primer, empty 55-gallon drums, and metal debris are adjacent to the maintenance garage. Inside the maintenance garage, de minimus oil spills, an in-ground lift, non-functioning pick-up truck, small catamaran, and other miscellaneous items were observed (Photos 21 through 23).

The in-ground lift is an REC for the Site because of it constitutes a "material threat" of a release, which could impact surrounding soil with hydraulic fluid.

### 6.3.2 Exterior Areas

The Site also contains open space vegetated with grasses, trees, and brush. Little Sandy Creek is located along the western portion of the Site (Figure 2).

A pad-mounted transformer and switchboard enclosure are east of the library and classroom building (Photos 24 and 25). The transformer appeared to be in fair condition, but we observed no labels regarding polychlorinated biphenyl content. We observed no evidence of leakage from this transformer.

Five water supply wells (including two dismantled wells) are distributed throughout the Site (three wells are shown in Photos 26 through 28). The well in the northern portion of the campus was disconnected from the school water supply system in April 2001 due to elevated MTBE concentrations in water samples collected from this well. The two most recent water supply wells were installed in June 2002 and October 2003.

We observed various waste and debris in the northeastern portion of the Site including metal, wood, plastic, tires, and discarded appliances (Photo 29).

We observed no RECs in the exterior portions of the Site.

# 6.4 Offsite Survey

Adjoining and adjacent properties consist of the following:

- North single-family residence and mobile home park. (Photo 30);
- East Auberry Road, single-family residences, and undeveloped parcel(s) (Photo 31);
- South single-family residences, a Mexican restaurant, and auto repair facility (Photos 32 through 34);

- 15 -

• West – dry Little Sandy Creek and undeveloped parcel(s) (Photo 35).

We observed no evidence of RECs on properties adjacent to Site.

# 7.0 INTERVIEWS

We provided a site owner questionnaire regarding the use, storage, or disposal of hazardous substances and/or petroleum products on the Site to Mr. Harris with the SUSD. A copy of the completed questionnaire is in Appendix B.

Mr. Harris states that, to the best of his knowledge, the Site was a school and has been vacant since 2011. Mr. Harris is aware of the two former fueling stations located on 33260 Powerhouse Road and 33251 Auberry Road. Mr. Harris has no knowledge of the former UST or groundwater monitoring well locations on the Site.

### 8.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed this Phase I ESA, in general conformance with the scope and limitations of ASTM *Designation E 1527-13*, of the Site located on 33367 Auberry Road in Auberry, California. Exceptions to, or deletions from, this practice are described in Section 1.4 of this report.

The Phase I ESA revealed the following RECs in connection with the Site:

- The presence of an in-ground lift inside the maintenance garage; and
- A previous spill/release introduced MTBE into groundwater and impacted a drinking water supply
  well at the Site.

The in-ground lift has the potential to have leaked and impacted surrounding soil with hydraulic fluid or other fluids used in it. We recommend that the lift be removed and soil adjacent to and beneath the lift be tested to assess the potential presence of contaminants.

The CVRWQCB concluded that the source of MTBE in groundwater beneath the Site is not known and the well contaminated by MTBE was disconnected from the school water supply system. If the well is planned to be re-connected, we recommend that the water first be tested for MTBE and other related contaminants. Any remaining wells on the Site not planned to be used should be abandoned under permits from the FCEHD.

### 9.0 REFERENCES

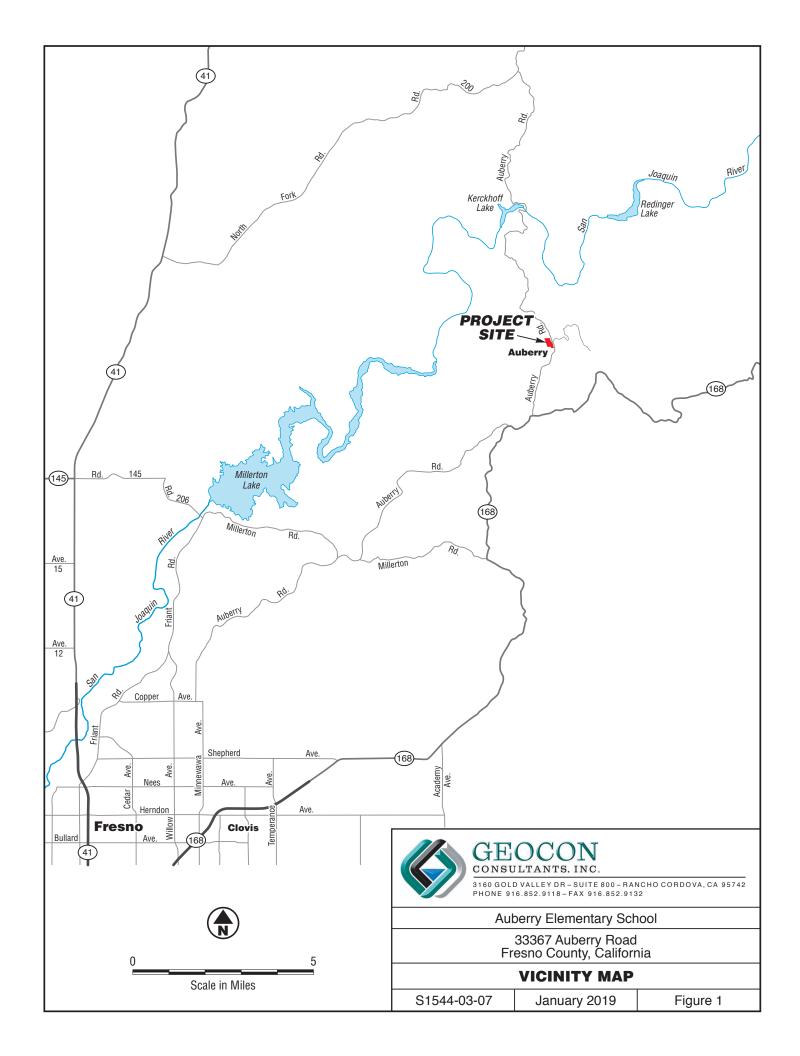
- American Society for Testing and Materials, Designation E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, 2013.
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- United States Geological Survey, Auberry, California 7.5-minute Topographic Map, 2004.

### 10.0 QUALIFICATIONS

This Phase I ESA report was prepared by Jim Brake, PG. Mr. Brake has an MS degree in Geological Science and 31 years of experience in environmental investigation and remediation, including implementation of Remedial Investigation/Feasibility Study programs and soil and groundwater remedial actions for private industrial and government clients. He has managed a wide variety of projects for clients in the manufacturing, transportation, mining, automobile and real estate industries including Environmental Protection Agency and DTSC Superfund sites. Mr. Brake has extensive experience in the performance of Phase I and II ESAs of commercial, industrial, and agricultural properties throughout California.

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

Jim Brake, PG Senior Geologist





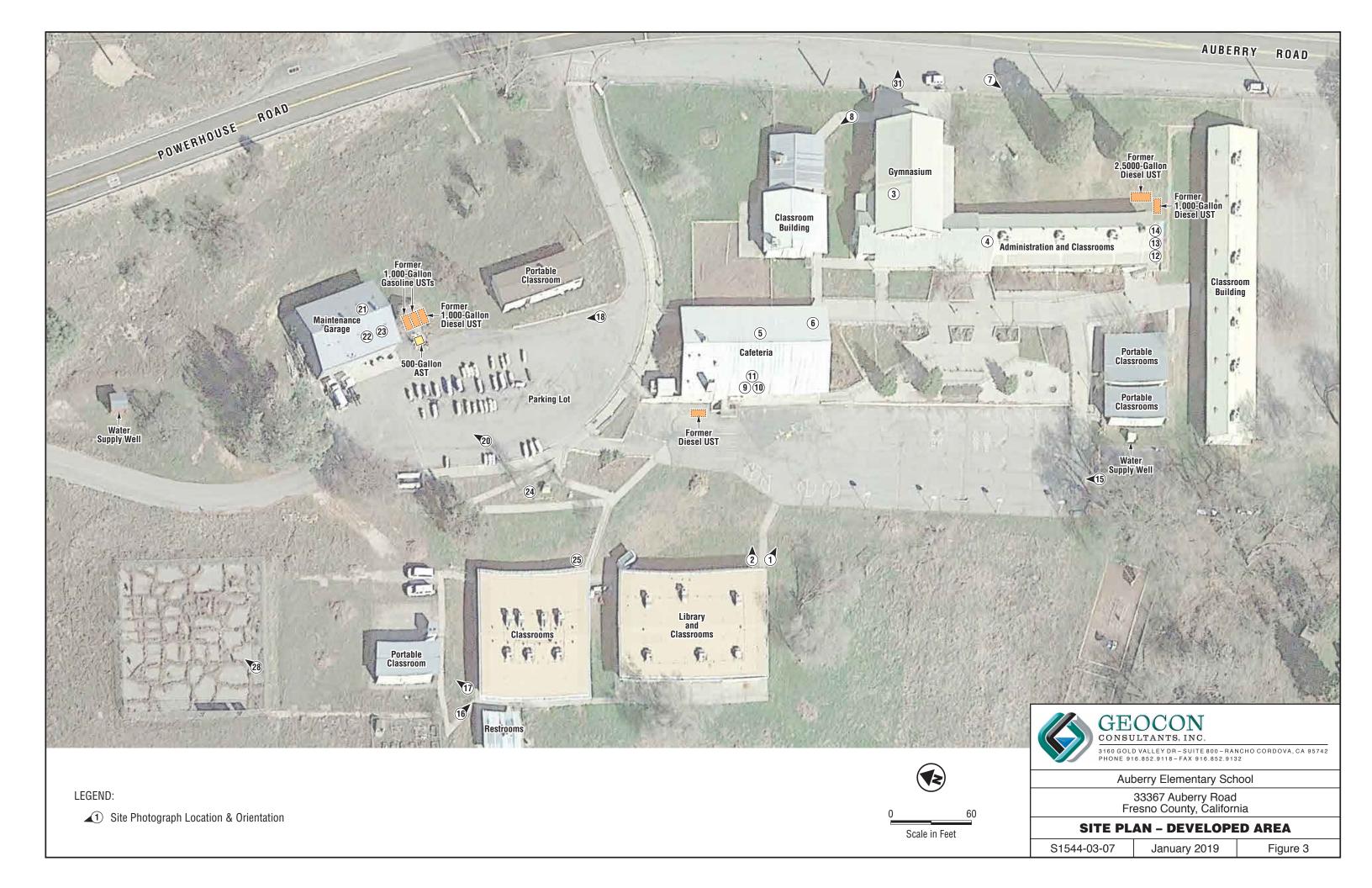




Photo No. 1 View to the southeast of the gymnasium, office, and classrooms from the central portion of the Site.



Photo No. 2 View to the east of the cafeteria and classroom building from the central portion of the Site.

# **PHOTOS NO. 1 & 2**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 3 Gymnasium interior.



Photo No. 4 Office in the southwestern portion of the Site.

# **PHOTOS NO. 3 & 4**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 5 Cafeteria in the upper level of the cafeteria building in the central portion of the Site.



Photo No. 6 Kitchen in the upper level of the cafeteria building in the central portion of the Site.

# **PHOTOS NO. 5 & 6**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 7 View to the southwest of classroom buildings in the southeastern portion of the Site.



Photo No. 8 View to the northwest of two classroom buildings in the southwestern portion of the Site.

# **PHOTOS NO. 7 & 8**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 9 Boiler room in the lower level of the cafeteria building.



Photo No. 10 Sump in the boiler room.

# **PHOTOS NO. 9 & 10**



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Photo No. 11 Drain in the boiler room.



Photo No. 12 Second boiler room in the lower level of the southeast portion of the administration and classroom building.

# **PHOTOS NO. 11 & 12**



Auberry Elementary School

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GEOCON Project No. S1544-03-07



Photo No. 13 Sump in the second boiler room.



Photo No. 14 Drain in the second boiler room.

# **PHOTOS NO. 13 & 14**



Auberry Elementary School

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GEOCON Project No. S1544-03-07



Photo No. 15 View to the north across the Site from the southern portion of the Site. The library and classroom buildings are on the left and the cafeteria building to the right.



Photo No. 16 View to the southeast of a classroom building adjacent to the library in the central portion of the Site.

# **PHOTOS NO. 15 & 16**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 17 View to the northeast of a portable classroom adjacent to the library in the central portion of the Site.



Photo No. 18 View to the northeast of a portable classroom adjacent to the maintenance garage north of the cafeteria.

# **PHOTOS NO. 17 & 18**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 19 View to the west of the Auberry Volunteer Fire Department in the northeastern portion of the Site.



Photo No. 20 View to the northeast of the maintenance garage and asphalt parking area north of the cafeteria building. Refurbished MountainFlame propane containers were temporarily stored on the parking lot.

# **PHOTOS NO. 19 & 20**



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Photo No. 21 New and used motor oil containers, used oil filters, and minor oil spills in the work area in the eastern portion of the maintenance garage.



Photo No. 22 In-ground hydraulic lift in the central area of the maintenance garage.

# **PHOTOS NO. 21 & 22**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 23 Front section of the hydraulic lift filled with an oil-like fluid.



Photo No. 24 Pad-mounted transformer west of the parking lot.

# **PHOTOS NO. 23 & 24**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 25 Switchboard enclosure in front of the library and classroom buildings.



Photo No. 26 Water supply well enclosure west of the school.

# **PHOTOS NO. 25 & 26**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 27 Dismantled water supply well northwest of the school.



Photo No. 28 Basketball courts and a water supply well enclosure north of the school.

# **PHOTOS NO. 27 & 28**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 29 Metal, wood, and plastic debris in the northeastern portion of the Site and west of the Auberry Volunteer Fire Department



Photo No. 30 View to the northwest of a single-family residence and mobile home park on adjoining property north of the Site.

# **PHOTOS NO. 29 & 30**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 31 View to the east across Auberry Road of single-family residences and undeveloped parcel(s).

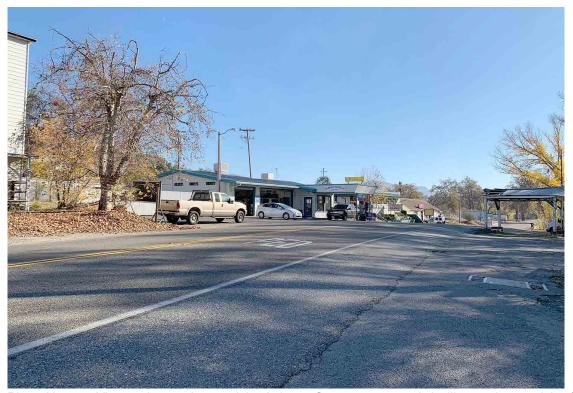


Photo No. 32 View to the southeast of the Auberry Garage auto repair facility southeast of the Site.

# **PHOTOS NO. 31 & 32**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07

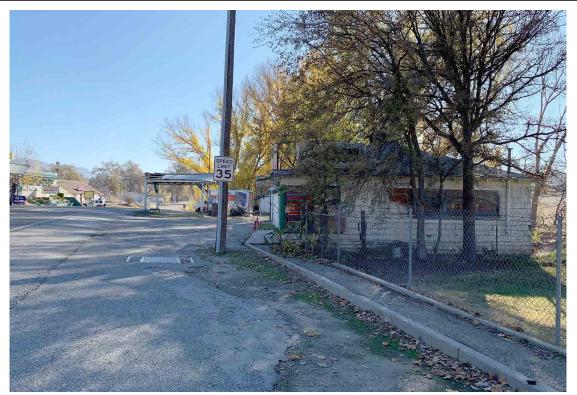


Photo No. 33 View to the south of Velasco's Mexican Food restaurant on adjoining property south of the Site.



Photo No. 34 View to the southwest of a single-family residence and backyard south of the Site.

# **PHOTOS NO. 33 & 34**



Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07



Photo No. 35 View to the west of the dry Little Sandy Creek and undeveloped parcel(s) west of the Site.

# **PHOTO NO. 35**

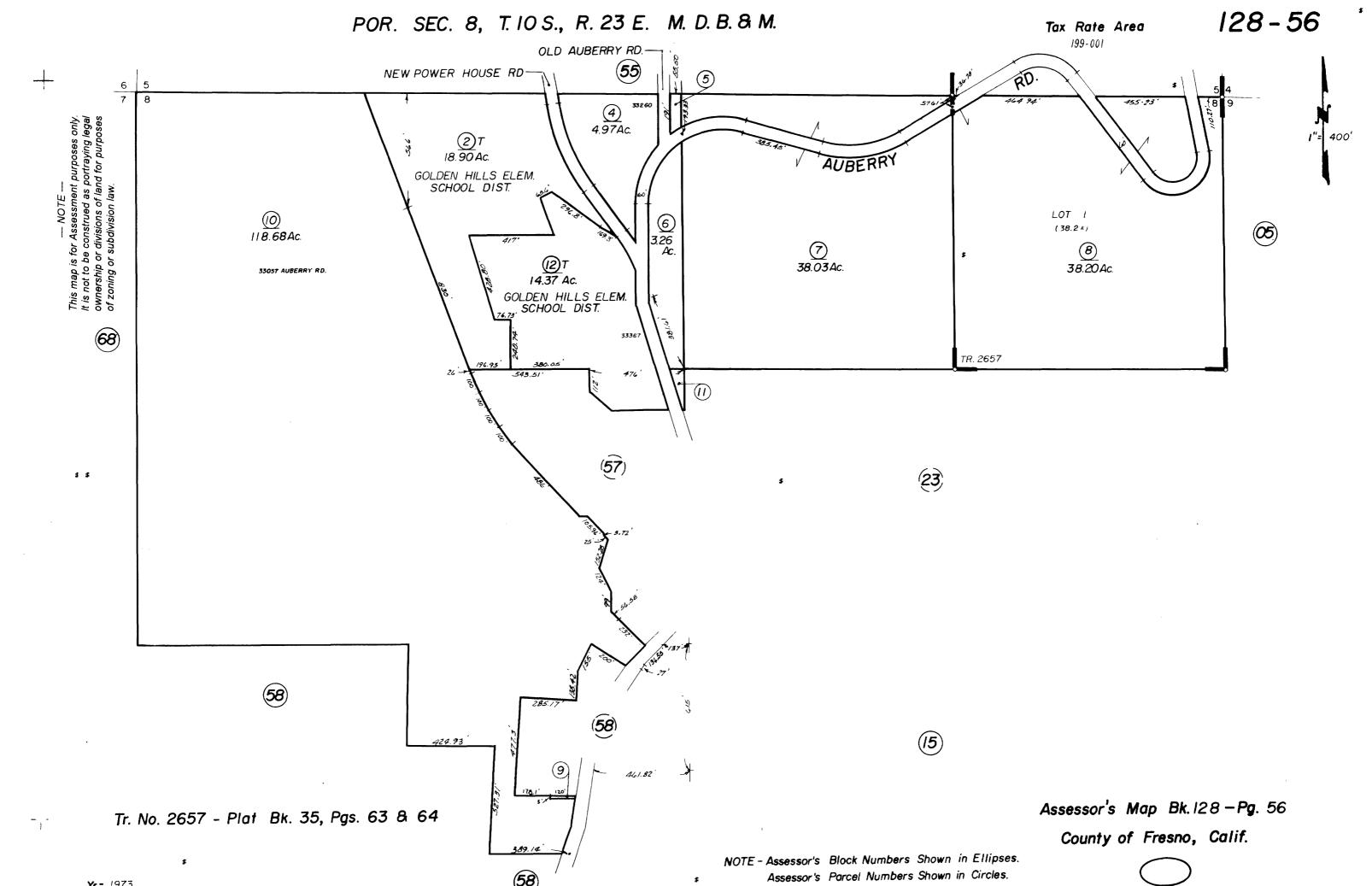


Auberry Elementary School

33367 Auberry Road Fresno County, California

GEOCON Project No. S1544-03-07

# APPENDIX A



# APPENDIX B

### **Site Owner Questionnaire**

The following questions are for (1) the current owner of the property, (2) any major occupant of the property or, if the property does not have any major occupants, at least 10% of the occupants of the property, and (3) in addition to the current owner and the occupants identified in (2), any occupant likely to be using, treating, generating, storing, or disposing of hazardous substances or petroleum products on or from the property. A major occupant is any occupant using at least 40% of the leasable area of the property or any anchor tenant when the property is a shopping center. In a multi-family property containing both residential and commercial uses, residential occupants do not need to respond to this questionnaire unless they are involved in or have knowledge of the commercial or other uses.

Description of Site: Address	<b>;</b>		

Question		Owner			Occupants (if applicable)		
1a. Is the property used for an industrial use?	Yes	No X	Unk	Yes	No	Unk	
1b. Is any adjoining property used for an industrial use?	Yes	No X	Unk	Yes	No	Unk	
2a. Have you observed evidence of or do you have any knowledge that the property has been used for an industrial use in the past?	Yes	No	Unk	Yes	No	Unk	
2b. Have you observed evidence of or do you have any knowledge that any adjoining property has been used for an industrial use in the past?	Yes	No	Unk	Yes	No	Unk	
3a. Is the property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No X	Unk	Yes	No	Unk	
3b. Is any adjoining property used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk	
4a. Have you observed evidence of or do you have any knowledge that the property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No X	Unk	Yes	No	Unk	

4b. Have you observed evidence of or do you have any knowledge that any adjoining property has been used as a gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility (if applicable, identify which)?	Yes	No	Unk	Yes	No	Unk
5a. Are there currently any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of > 5gal (19L) in volume or 50gal (190L) in the aggregate, stored on or used at the property or facility?	Yes	No X	Unk	Yes	No	Unk
5b. Have you observed evidence of or do you have any knowledge that there have been previously any damaged or discarded automotive or industrial batteries, pesticides, paints or other chemicals in individual containers of > 5gal (19L) in volume or 50gal (190L) in the aggregate, stored on or used at the property or facility?	Yes	No X	Unk	Yes	No	Unk
6a. Are there currently any industrial drums (typically 55 gal [208L]) or sacks of chemicals located on the property or at the facility?	Yes	No	Unk	Yes	No	Unk
6b. Have you observed evidence of or do you have any knowledge that there have been previously any industrial drums (typically 55 gal [208L]) or sacks of chemicals located on the property or at the facility?	Yes	No	Unk	Yes	No	Unk
7a. Have you observed evidence of or do you have any knowledge that fill dirt has been brought onto the property that originated from a contaminated site?	Yes	No X	Unk	Yes	No	Unk
7b. Have you observed evidence of or do you have any knowledge that fill dirt has been brought onto the property that is of an unknown origin?	Yes	No X	Unk	Yes	No	Unk
8a. Are there currently any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Yes	No X	Unk	Yes	No	Unk
8b. Have you observed evidence of or do you have any knowledge that there previously have been any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?	Yes	No X	Unk	Yes	No	Unk
9a. Is there currently any stained soil on the property?	Yes	NoX	Unk	Yes	No	Unk
9b. Have you observed evidence of or do you have any knowledge that there previously has been any stained soil on the property?	Yes	No X	Unk	Yes	No	Unk
10a. Are there currently any registered or unregistered storage tanks (above or underground) located on the property?	Yes	No	Unk	Yes	No	Unk

10b. Have you observed evidence of or do you have any knowledge that there previously have been any registered or unregistered storage tanks (above or underground) located on the property?	Yes	No	Unk	Yes	No	Unk
11a. Are there currently any vent pipe, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	Yes	No	Unk	Yes	No	Unk
11b. Have you observed evidence of or do you have any knowledge that there previously have been any vent pipe, fill pipes, or access ways indicating a fill pipe protruding from the ground on the property or adjacent to any structure located on the property?	Yes	No X	Unk	Yes	No	Unk
12a. Are there currently any flooring, drains, or walls located within the facility that are stained by substances other than water or were emitting foul odors?	Yes	No X	Unk	Yes	No	Unk
12b. Have you observed evidence of or do you have any knowledge that there previously have been any flooring, drains, or walls located within the facility that are stained by substances other than water or were emitting foul odors?	Yes	No X	Unk	Yes	No	Unk
13a. If the property is served by a private well or non-public water system, is there evidence of or do you have knowledge that contaminants have been identified in the well or system that exceed guidelines applicable to the water system?	Yes	No X	Unk	Yes	No	Unk
13b. If the property is served by a private well or non-public water system, is there evidence of or do you have knowledge that the well has been designated as contaminated by any government/health agency?	Yes	No 🔨	Unk	Yes	No	Unk
14. Do you have any knowledge of environmental liens of governmental notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?	Yes	No 🔨	Unk	Yes	No	Unk
15a. Have you been informed of the past existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	Yes	No X	Unk	Yes	No	Unk
15b. Have you been informed of the current existence of hazardous substances or petroleum products with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk
15c. Have you been informed of the past existence of environmental violations with respect to the property or any facility located on the property?	Yes	No	Unk	Yes	No	Unk
15d. Have you been informed of the current existence of environmental violations with respect to the property or any facility located on the property?		₩ No	Unk	Yes	No	Unk

16. Do you have any knowledge of any environmental site assessment of the property or facility that indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?	Yes	No	Unk	Yes	No	Unk
		T	T	T		т
17. Do you know of any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substances or petroleum products involving the property by any owner or occupant of the property?	Yes	No K	Unk	Yes	No	Unk
18a. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a stormwater sewer system?	Yes	No X	Unk	Yes	No	Unk
18b. Does the property discharge wastewater, on or adjacent to the property, other than stormwater, into a sanitary sewer system?	Yes	No X	Unk	Yes	No	Unk
19. Have you observed evidence of or do you have any knowledge that any hazardous substances or petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the property?	Yes	No X	Unk	Yes	No	Unk
20. Is there a transformer, capacitor, or any hydraulic equipment for which there are records indicating the presence of PCBs?	Yes	No.	Unk	Yes	No	Unk

Unk – "unknown" or "no response"

# **Additional Questions**

A) Describe the current use of the property.

closed school

B) How long has the property been used for this purpose?

7 years

C) How long have you owned the property?

school Outret owns the property

- D) List the existing structures on the property and their age.
- E) Describe the past uses, owners, and operators of the property. (Be as detailed as possible and note approximate time periods.)

  Hus Allway Been a cchool

This questionnaire was completed by:

Name

Title

Address

Phone number

Date

Sames Havris

Super Vises

S

# APPENDIX C

Auberry Elementary School 33367 Auberry Road Auberry, CA 93602

Inquiry Number: 5502634.2s

December 06, 2018

# 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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### TARGET PROPERTY INFORMATION

### **ADDRESS**

33367 AUBERRY ROAD AUBERRY, CA 93602

### **COORDINATES**

Latitude (North): 37.0796030 - 37° 4' 46.57" Longitude (West): 119.4882810 - 119° 29' 17.81"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 278809.0 UTM Y (Meters): 4106396.5

Elevation: 1983 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5637383 AUBERRY, CA

Version Date: 2012

West Map: 5637431 MILLERTON LAKE EAST, CA

Version Date: 2012

### **AERIAL PHOTOGRAPHY IN THIS REPORT**

Portions of Photo from: 20140712 Source: USDA

# MAPPED SITES SUMMARY

Target Property Address: 33367 AUBERRY ROAD AUBERRY, CA 93602

Click on Map ID to see full detail.

MAP	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.)
ID A1	AUBERRY ELEMENTARY S	33367 AUBERRY RD N	FINDS	ELEVATION	DIRECTION TP
A2	AUBERRY ELEMENTRY SC	33367 N AUBERRY RD	SWEEPS UST, HIST UST		TP
А3	COUNTY OF FRESNO PUB	33367 AUBERRY RD	HAZNET		TP
A4	AUBERRY ELEMENTARY S	33367 AUBERRY RD N	RGA LUST		TP
A5	AUBERRY ELEMENTARY S	33367 AUBERRY RD N	LUST, HIST UST, CUPA Listings, CERS		TP
A6	RICHARD BRAWLEY	1202 AUBERRY ROAD	HIST UST	Lower	1 ft.
B7	AUBERRRY GENERAL STO	33251 AUBERRY RD	HIST UST	Lower	103, 0.020, SE
B8	AUBERRY GENERAL STOR	33251 AUBERRY RD	EDR Hist Auto	Lower	103, 0.020, SE
B9	AUBERRY GENERAL STOR	33251 N AUBERRY RD	CUPA Listings	Lower	103, 0.020, SE
B10	AUBERRY GENERAL STOR	33251 AUBERRY RD	LUST, HIST UST, HIST CORTESE, CERS, CIWQS	Lower	103, 0.020, SE
B11	AUBERRY GENERAL STOR	33251 N AUBERRY RD	SWEEPS UST	Lower	103, 0.020, SE
C12	VILLAS TRADING POST	33260 POWER HOUSE RD	HIST UST	Higher	249, 0.047, NNE
C13	ABANDONED EXXON	33260 POWERHOUSE RD	LUST, SWEEPS UST, CUPA Listings, HIST CORTESE,	Higher	249, 0.047, NNE
C14	VILLA'S TRADING POST	33260 POWERHOUSE RD	HIST UST	Higher	249, 0.047, NNE
D15	AUBERRY GARAGE	33246 AUBERRY ROAD	LUST, SWEEPS UST	Lower	346, 0.066, ESE
D16	BORELLI ANTHONY	33246 AUBERRY RD	EDR Hist Auto	Lower	346, 0.066, ESE
D17	AUBERRY GARAGE	33246 N AUBERRY RD	CUPA Listings	Lower	346, 0.066, ESE
D18	AUBERRY GARAGE	33246 AUBERRY ROAD	LUST, CERS	Lower	346, 0.066, ESE
E19	FRESNO COUNTY YARD #	33148 AUBERRY RD	SWF/LF, LUST, AST, SWEEPS UST, HIST UST, CUPA	Lower	581, 0.110, SE
E20	PUBLIC WORKS DIVISIO	33148 AUBERRY RD	HIST UST	Lower	581, 0.110, SE
F21	CHEVRON (RV JENSEN I	33105 AUBERRY RD	LUST, CUPA Listings	Lower	841, 0.159, SSE
F22	CHEVRON (RV JENSEN I	33105 AUBERRY RD	LUST, CERS	Lower	841, 0.159, SSE
23	UNION BANK	33049 AUBERRY RD	CUPA Listings	Higher	1277, 0.242, South
24	SEQUOIA FOREST INDUS	32180 AUBERRY RD	ENVIROSTOR, LUST, CHMIRS, CUPA Listings	Lower	4583, 0.868, South

# TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
AUBERRY ELEMENTARY S 33367 AUBERRY RD N AUBERRY, CA 93602	FINDS Registry ID:: 110065331117	N/A
AUBERRY ELEMENTRY SC 33367 N AUBERRY RD AUBERRY, CA 93602	SWEEPS UST Status: A Tank Status: A Comp Number: 46732	N/A
	HIST UST	
COUNTY OF FRESNO PUB 33367 AUBERRY RD AUBERRY, CA 93602	HAZNET GEPAID: CAH777001826	N/A
AUBERRY ELEMENTARY S 33367 AUBERRY RD N AUBERRY, CA	RGA LUST	N/A
AUBERRY ELEMENTARY S 33367 AUBERRY RD N AUBERRY, CA 93602	LUST Database: LUST, Date of Government Version: 09/10/2018 Database: LUST REG 5, Date of Government Version: 07/ Status: Completed - Case Closed Status: Case Closed Global Id: T0601991890	
	HIST UST Facility Id: 00000046732	
	CUPA Listings Database: CUPA FRESNO, Date of Government Version: Facility Id: FA0004825	10/16/2018
	CERS	

# **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	
NPI	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-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator Federal institutional controls / engineering controls registries Land Use Control Information System US ENG CONTROLS..... Engineering Controls Sites List US INST CONTROL..... Sites with Institutional Controls Federal ERNS list ERNS..... Emergency Response Notification System State- and tribal - equivalent NPL RESPONSE...... State Response Sites 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 ..... Active UST Facilities INDIAN UST..... Underground Storage Tanks on Indian Land State and tribal voluntary cleanup sites VCP......Voluntary Cleanup Program Properties

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Considered Brownfieds 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

ODI...... Open Dump Inventory

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

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

Local Lists of Hazardous waste / Contaminated Sites

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

HIST Cal-Sites Database

SCH..... School Property Evaluation Program

CERS HAZ WASTE..... CERS HAZ WASTE

US CDL...... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

CA FID UST..... Facility Inventory Database

CERS TANKS...... California Environmental Reporting System (CERS) Tanks

Local Land Records

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

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System CHMIRS..... California Hazardous Material Incident Report System

LDS\_\_\_\_\_Land Disposal Sites Listing
MCS\_\_\_\_\_\_Military Cleanup Sites Listing

SPILLS 90 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

PRP..... Potentially Responsible Parties PADS..... PCB Activity Database System

ICIS...... Integrated Compliance Information System

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

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

ECHO\_\_\_\_\_ Enforcement & Compliance History Information DOCKET HWC..... Hazardous Waste Compliance Docket Listing

UXO...... Unexploded Ordnance Sites

FUELS PROGRAM..... EPA Fuels Program Registered Listing

CA BOND EXP. PLAN..... Bond Expenditure Plan

EMI..... Emissions Inventory Data ENF..... Enforcement Action Listing

Financial Assurance Information Listing

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 Permits Listing

PEST LIC..... Pesticide Regulation Licenses Listing PROC..... Certified Processors Database

Notify 65..... Proposition 65 Records

UIC\_\_\_\_\_UIC Listing

WASTEWATER PITS..... Oil Wastewater Pits Listing WDS..... Waste Discharge System

WIP..... Well Investigation Program Case List

### **EDR HIGH RISK HISTORICAL RECORDS**

### **EDR Exclusive Records**

EDR MGP..... EDR Proprietary Manufactured Gas Plants EDR Hist Cleaner. EDR Exclusive Historical Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

### Exclusive Recovered Govt. Archives

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

### **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 07/30/2018 has revealed that there is

1 ENVIROSTOR site within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
SEQUOIA FOREST INDUS	32180 AUBERRY RD	S 1/2 - 1 (0.868 mi.)	24	70
Facility Id: 10240004				

Status: Refer: Other Agency

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

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

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

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRESNO COUNTY YARD#	33148 AUBERRY RD	SE 0 - 1/8 (0.110 mi.)	E19	49
Database: SWF/LF (SWIS) D	ate of Government Version: 08/08/2018			

Facility ID: 10-AA-0211 Operational Status: Active Regulation Status: Notification

**Equal/Higher Elevation** 

### State and tribal leaking storage tank lists

Database: LUST, Date of Government Version: 09/10/2018

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

A review of the LUST list, as provided by EDR, has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

**Address** 

ABANDONED EXXON  Database: LUST, Date of Government Database: LUST REG 5, Date of Government Completed - Case Closed Status: Case Closed Global Id: T0601900245		NNE 0 - 1/8 (0.047 mi.)	C13	39
Lower Elevation	Address	Direction / Distance	Map ID	Page
AUBERRY GENERAL STOR  Database: LUST, Date of Government Database: LUST REG 5, Date of Government Status: Completed - Case Closed Status: Remedial action (cleanup) Urus Global Id: T0601900714	SE 0 - 1/8 (0.020 mi.)	B10	19	
AUBERRY GARAGE	33246 AUBERRY ROAD	ESE 0 - 1/8 (0.066 mi.)	D15	43

Map ID

**Page** 

**Direction / Distance** 

Status: Open - Site Assessment Global Id: T0601920015				
AUBERRY GARAGE Database: LUST REG 5, Date of Govern Status: Leak being confirmed	<b>33246 AUBERRY ROAD</b> nment Version: 07/01/2008	ESE 0 - 1/8 (0.066 mi.)	D18	49
FRESNO COUNTY YARD # Database: LUST, Date of Government V Database: LUST REG 5, Date of Govern Status: Completed - Case Closed Status: Case Closed Global Id: T0601900721		SE 0 - 1/8 (0.110 mi.)	E19	49
CHEVRON (RV JENSEN I  Database: LUST, Date of Government V Status: Open - Verification Monitoring Global Id: T0601991433	<b>33105 AUBERRY RD</b> 'ersion: 09/10/2018	SSE 1/8 - 1/4 (0.159 mi.)	F21	55
CHEVRON (RV JENSEN I  Database: LUST REG 5, Date of Govern Status: Remedial action (cleanup) Under		SSE 1/8 - 1/4 (0.159 mi.)	F22	69

# State and tribal registered storage tank lists

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

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
FRESNO COUNTY YARD#	33148 AUBERRY RD	SE 0 - 1/8 (0.110 mi.)	E19	49
Database: AST Date of Government Ve	arsion: 07/06/2016			

### ADDITIONAL ENVIRONMENTAL RECORDS

### Local Lists of Registered Storage Tanks

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

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there are 4 SWEEPS UST sites within approximately 0.25 miles of the target property.

<b>Equal/Higher Elevation</b>	Address	<b>Direction / Distance</b>	Map ID	Page	
ABANDONED EXXON Comp Number: 6627	33260 POWERHOUSE RD	NNE 0 - 1/8 (0.047 mi.)	C13	39	
Lower Elevation	Address	Direction / Distance	Map ID	Page	
AUBERRY GENERAL STOR	33251 N AUBERRY RD	SE 0 - 1/8 (0.020 mi.)	B11	37	

Status: A Tank Status: A Comp Number: 2518 AUBERRY GARAGE 33246 AUBERRY ROAD ESE 0 - 1/8 (0.066 mi.) D15 43 Status: A Tank Status: A Comp Number: 15002 FRESNO COUNTY YARD# 33148 AUBERRY RD SE 0 - 1/8 (0.110 mi.) E19 49 Status: A Tank Status: A

HIST UST: Historical UST Registered Database.

Comp Number: 30552

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 7 HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VILLAS TRADING POST VILLA'S TRADING POST Facility Id: 00000006627	33260 POWER HOUSE RD 33260 POWERHOUSE RD	NNE 0 - 1/8 (0.047 mi.) NNE 0 - 1/8 (0.047 mi.)	C12 C14	39 42
Lower Elevation	Address	Direction / Distance	Map ID	Page
RICHARD BRAWLEY Facility Id: 00000056619	1202 AUBERRY ROAD	0 - 1/8 (0.000 mi.)	A6	16
AUBERRRY GENERAL STO Facility Id: 00000046798	33251 AUBERRY RD	SE 0 - 1/8 (0.020 mi.)	B7	17
AUBERRY GENERAL STOR Facility Id: 00000002518	33251 AUBERRY RD	SE 0 - 1/8 (0.020 mi.)	B10	19
FRESNO COUNTY YARD # PUBLIC WORKS DIVISIO Facility Id: 00000030552	<b>33148 AUBERRY RD</b> 33148 AUBERRY RD	<b>SE 0 - 1/8 (0.110 mi.)</b> SE 0 - 1/8 (0.110 mi.)	<b>E19</b> E20	<b>49</b> 55

### Other Ascertainable Records

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 are 6 CUPA Listings sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ABANDONED EXXON	33260 POWERHOUSE RD	NNE 0 - 1/8 (0.047 mi.)	C13	39
Database: CUPA FRESNO, Date of	Government Version: 10/16/2018			
Facility Id: FA0269419				
UNION BANK	33049 AUBERRY RD	S 1/8 - 1/4 (0.242 mi.)	23	70
Database: CUPA FRESNO, Date of	Government Version: 10/16/2018			

Facility Id: FA0271513

Lower Elevation	Address	Direction / Distance	Map ID	Page
AUBERRY GENERAL STOR Database: CUPA FRESNO, Date o Facility Id: FA0004468	33251 N AUBERRY RD f Government Version: 10/16/2018	SE 0 - 1/8 (0.020 mi.)	В9	19
AUBERRY GARAGE Database: CUPA FRESNO, Date o Facility Id: FA0168901	33246 N AUBERRY RD f Government Version: 10/16/2018	ESE 0 - 1/8 (0.066 mi.)	D17	48
FRESNO COUNTY YARD # Database: CUPA FRESNO, Date o Facility Id: FA0268337	33148 AUBERRY RD f Government Version: 10/16/2018	SE 0 - 1/8 (0.110 mi.)	E19	49
CHEVRON (RV JENSEN I Database: CUPA FRESNO, Date o Facility Id: FA0168897	33105 AUBERRY RD f Government Version: 10/16/2018	SSE 1/8 - 1/4 (0.159 mi.)	F21	55

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 [CALSITES]. This listing is no longer updated by the state agency.

A review of the HIST CORTESE list, as provided by EDR, and dated 04/01/2001 has revealed that there are 3 HIST CORTESE sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	ess Direction / Distance		Page	
ABANDONED EXXON Reg ld: 5T10000247	33260 POWERHOUSE RD	260 POWERHOUSE RD NNE 0 - 1/8 (0.047 mi.)		39	
Lower Elevation	Address Direction / Distance		Map ID	Page	
AUBERRY GENERAL STOR Reg ld: 5T10000735	33251 AUBERRY RD	SE 0 - 1/8 (0.020 mi.)	B10	19	
FRESNO COUNTY YARD # Rea Id: 5T10000742	33148 AUBERRY RD	SE 0 - 1/8 (0.110 mi.)	E19	49	

### **EDR HIGH RISK HISTORICAL RECORDS**

### **EDR Exclusive Records**

EDR Hist Auto: 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.

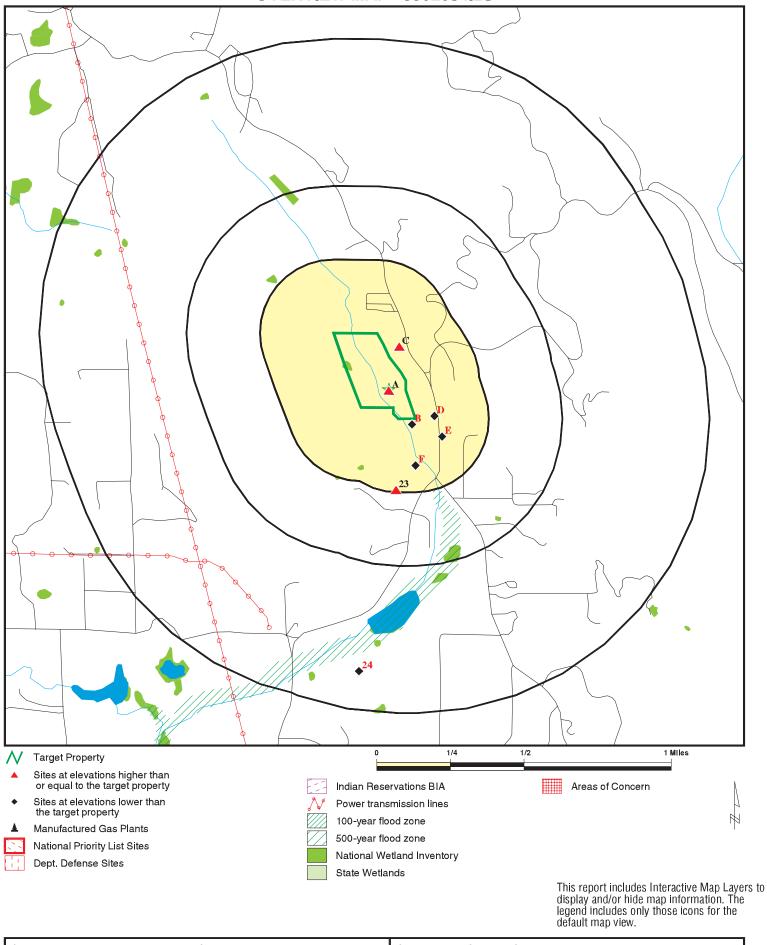
A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto

sites within approximately 0.125 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page	
AUBERRY GENERAL STOR	33251 AUBERRY RD	SE 0 - 1/8 (0.020 mi.)	B8	18	
BORELLI ANTHONY	33246 AUBERRY RD	ESE 0 - 1/8 (0.066 mi.)	D16	47	

There were no unmapped sites in this report.

# **OVERVIEW MAP - 5502634.2S**



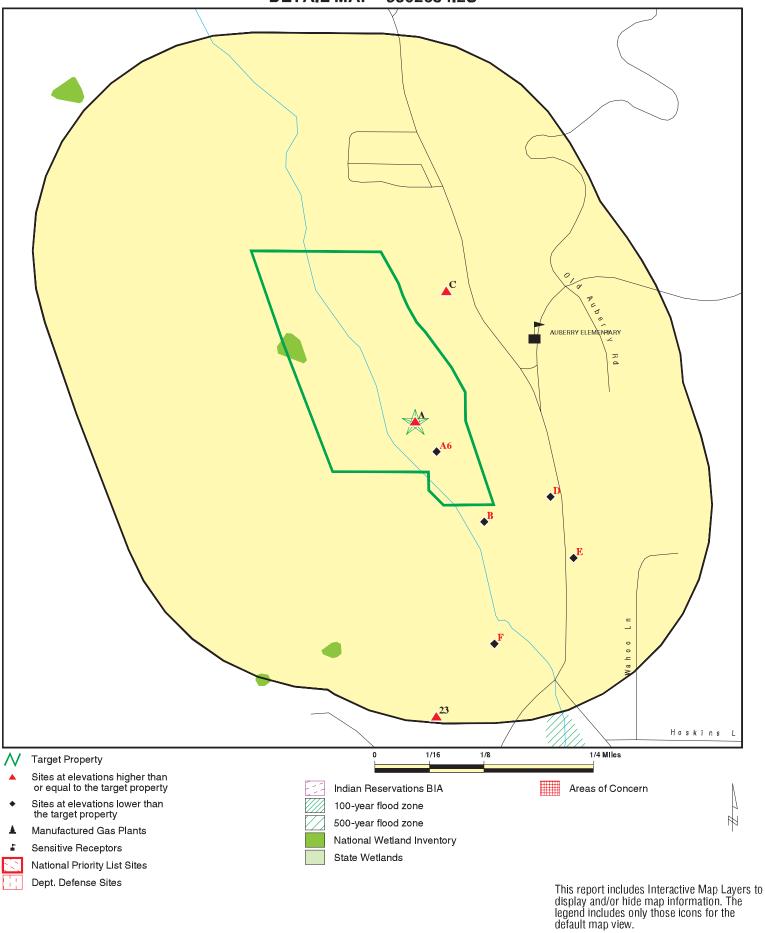
SITE NAME: Auberry Elementary School

ADDRESS: 33367 Auberry Road

CONTACT: Cristian Virrueta

Auberry CA 93602 INQUIRY #: 5502634.2s DATE: December 06, 2018 8:17 am

# **DETAIL MAP - 5502634.2S**



SITE NAME: Auberry Elementary School
ADDRESS: 33367 Auberry Road
Auberry CA 93602
LAT/LONG: 37.079603 / 119.488281

CLIENT: Geocon Consultants, Inc.
CONTACT: Cristian Virrueta
INQUIRY #: 5502634.2s
DATE: December 06, 2018 8:17 am

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Federal NPL site list								
NPL Proposed NPL NPL LIENS	1.000 1.000 0.001		0 0 0	0 0 NR	0 0 NR	0 0 NR	NR NR NR	0 0 0
Federal Delisted NPL sit	e list							
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Federal CERCLIS NFRA	P site list							
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Federal RCRA CORRAC	TS facilities li	st						
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-COR	RACTS TSD f	acilities list						
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generator	rs list							
RCRA-LQG RCRA-SQG RCRA-CESQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROL	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equiva	alent NPL							
RESPONSE	1.000		0	0	0	0	NR	0
State- and tribal - equiva	alent CERCLIS	3						
ENVIROSTOR	1.000		0	0	0	1	NR	1
State and tribal landfill a solid waste disposal site								
SWF/LF	0.500		1	0	0	NR	NR	1
State and tribal leaking	storage tank l	ists						
LUST	0.500	1	5	2	0	NR	NR	8

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST CPS-SLIC	0.500 0.500		0	0 0	0 0	NR NR	NR NR	0 0
State and tribal registere	d storage tan	ık lists						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 1 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 1 0
State and tribal voluntary	cleanup site	es						
VCP INDIAN VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
State and tribal Brownfie	lds sites							
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENT	TAL RECORDS	<u>3</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / S Waste Disposal Sites	olid							
WMUDS/SWAT SWRCY HAULERS INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.001 0.500 0.500 0.500 0.500		0 0 0 0 0 0	0 0 NR 0 0 0	0 0 NR 0 0 0	NR NR NR NR NR NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Hazardous Contaminated Sites	waste/							
US HIST CDL HIST Cal-Sites SCH CDL Toxic Pits CERS HAZ WASTE US CDL	0.001 1.000 0.250 0.001 1.000 0.250 0.001		0 0 0 0 0	NR 0 0 NR 0 0 NR	NR 0 NR NR 0 NR	NR 0 NR NR 0 NR	NR NR NR NR NR NR	0 0 0 0 0 0
Local Lists of Registered	Storage Tan	ıks						
SWEEPS UST HIST UST CA FID UST CERS TANKS	0.250 0.250 0.250 0.250	1 2	4 7 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	5 9 0 0
Local Land Records								
LIENS LIENS 2	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency R		rts	Ü	Ü	Ü			ŭ
HMIRS CHMIRS LDS	0.001 0.001 0.001		0 0 0	NR NR NR	NR NR NR	NR NR NR	NR NR NR	0 0 0
MCS SPILLS 90	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Rec			· ·					· ·
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 TSCA	0.250		0 0	0 NR	NR NR	NR NR	NR NR	0 0
TRIS	0.001 0.001		0	NR 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		Õ	NR	NR	NR	NR	Õ
RAATS	0.001		Ö	NR	NR	NR	NR	Ö
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 CONSENT	0.001 1.000		0 0	NR 0	NR 0	NR 0	NR NR	0 0
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		Ő	Ŏ	Ö	NR	NR	Ö
LEAD SMELTERS	0.001		Ō	NR	NR	NR	NR	Ō
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	0 ND	NR	0
Cortese CUPA Listings	0.500 0.250	1	0 4	0 2	0 NR	NR NR	NR NR	0 7
DRYCLEANERS	0.250	ı	0	0	NR	NR NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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	1	0	NR	NR	NR	NR	1
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		3	0	0	NR	NR	3
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
MINES	0.001		0	NR	NR	NR	NR	0
MWMP NPDES	0.250 0.001		0 0	0 NR	NR NR	NR NR	NR NR	0 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	Ö	0	NR	0
UIC	0.001		0	NR	NŘ	NR	NR	0
WASTEWATER PITS	0.500		Ö	0	0	NR	NR	Ö
WDS	0.001		Ō	NR	NR	NR	NR	Ö
CERS	0.001	1	0	NR	NR	NR	NR	1
WIP	0.250		0	0	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0 0	NR	NR	NR NR	NR	0
WELL STIM PROJ WDR	0.001 0.001		0	NR NR	NR NR	NR NR	NR NR	0 0
PROJECT	0.001		0	NR NR	NR NR	NR	NR	0
			U	IVIX	IVIX	IVIX	IVIX	O
EDR HIGH RISK HISTORICA	AL RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERN	IMENT ARCHIV	<u>VES</u>						
Exclusive Recovered Go	vt. Archives							
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001	1	0	NR	NR	NR	NR	1
	0.001	•	O	1411	1417	· VIX	. 41.	•
- Totals		9	27	4	0	1	0	41

# NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

Α1 **AUBERRY ELEMENTARY SCHOOL FINDS** 1023244894 **Target** 

33367 AUBERRY RD N N/A AUBERRY, CA 93602

Site 1 of 6 in cluster A

Actual: 1983 ft.

1983 ft.

**Property** 

FINDS:

110065331117 Registry ID:

Environmental Interest/Information System

STATE MASTER

Click this hyperlink while viewing on your computer to access

additional FINDS: detail in the EDR Site Report.

**A2 AUBERRY ELEMENTRY SCHOOL** 

**Target** 33367 N AUBERRY RD **Property** AUBERRY, CA 93602

Site 2 of 6 in cluster A

SWEEPS UST: Actual:

> Status: Active Comp Number: 46732 Number:

Board Of Equalization: 44-004315 Referral Date: 11-05-91 Action Date: 11-05-91 02-29-88 Created Date:

Owner Tank Id: 2

SWRCB Tank Id: 10-000-046732-000002

Tank Status: Α 2500 Capacity:

11-05-91 Active Date: Tank Use: M.V. FUEL STG:

Content: **REG UNLEADED** 

Number Of Tanks:

Status: Not reported Comp Number: 46732 Number: Not reported 44-004315 Board Of Equalization: Referral Date: Not reported Not reported Action Date: Created Date: Not reported Not reported Owner Tank Id:

10-000-046732-000003 SWRCB Tank Id:

Tank Status: Not reported Capacity: 1000 Active Date: Not reported M.V. FUEL Tank Use: STG: **PRODUCT** DIESEL Content:

Number Of Tanks:

Not reported Status: Comp Number: 46732

**SWEEPS UST** 

**HIST UST** 

S106922958

N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY ELEMENTRY SCHOOL (Continued)**

S106922958

**EDR ID Number** 

Number: Not reported
Board Of Equalization: 44-004315
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

SWRCB Tank Id: 10-000-046732-000004

Tank Status:

Capacity:

Active Date:

Tank Use:

STG:

Content:

Not reported

Not reported

M.V. FUEL

PRODUCT

LEADED

Number Of Tanks:

Not reported

Status: Not reported 46732 Comp Number: Not reported Number: Board Of Equalization: 44-004315 Not reported Referral Date: Action Date: Not reported Created Date: Not reported Owner Tank Id: Not reported

SWRCB Tank Id: 10-000-046732-000005

Tank Status: Not reported
Capacity: 1000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: DIESEL
Number Of Tanks: Not reported

Status: Not reported Comp Number: 46732 Not reported Number: Board Of Equalization: 44-004315 Referral Date: Not reported Action Date: Not reported Created Date: Not reported Not reported Owner Tank Id:

SWRCB Tank Id: 10-000-046732-000006

Tank Status: Not reported Capacity: 1000
Active Date: Not reported Tank Use: M.V. FUEL STG: PRODUCT Content: DIESEL Number Of Tanks: Not reported

HIST UST:

File Number: 00023887

URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00023887.pdf

Region: Not reported Facility ID: Not reported Facility Type: Not reported Other Type: Not reported Contact Name: Not reported

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **AUBERRY ELEMENTRY SCHOOL (Continued)**

S106922958

Telephone: Not reported Not reported Owner Name: Owner Address: Not reported Owner City,St,Zip: Not reported Total Tanks: Not reported

Tank Num: Not reported Container Num: Not reported Year Installed: Not reported Tank Capacity: Not reported Tank Used for: Not reported Type of Fuel: Not reported Container Construction Thickness: Not reported Leak Detection: Not reported

Click here for Geo Tracker PDF:

А3 **COUNTY OF FRESNO PUBLIC WORKS & PLANNING**  HAZNET \$113796111 N/A

**Target Property** 

33367 AUBERRY RD AUBERRY, CA 93602

#### Site 3 of 6 in cluster A

HAZNET: Actual:

1983 ft. envid:

S113796111 2012 Year:

GEPAID: CAH777001826 Contact: LESLIE KLINE 5592624259 Telephone: Mailing Name: Not reported

Mailing Address: 2220 TULARE ST FL 6 Mailing City, St, Zip: FRESNO, CA 937212127

Gen County: Fresno TSD EPA ID: CAD008364432 TSD County: Los Angeles Waste Category: Not reported

Disposal Method: Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery

(H010-H129) Or (H131-H135)

0.0625 Tons: Not reported Cat Decode: Method Decode: Not reported Facility County: Fresno

envid: S113796111 Year: 2012

GEPAID: CAH777001826 LESLIE KLINE Contact: Telephone: 5592624259 Mailing Name: Not reported

Mailing Address: 2220 TULARE ST FL 6 Mailing City, St, Zip: FRESNO, CA 937212127

Gen County: Fresno TSD EPA ID: CAD008364432 TSD County: Los Angeles Waste Category: Not reported

Disposal Method: Fuel Blending Prior To Energy Recovery At Another Site

Tons: 0.2

Cat Decode: Not reported

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

COUNTY OF FRESNO PUBLIC WORKS & PLANNING (Continued)

S113796111

Method Decode: Not reported Facility County: Fresno

**AUBERRY ELEMENTARY SCHOOL** RGA LUST S114578797 Α4 **Target** 33367 AUBERRY RD N

N/A

**Property AUBERRY, CA** 

Site 4 of 6 in cluster A

Actual: RGA LUST:

1983 ft.

2012 AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 2011 AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 2010 AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N AUBERRY ELEMENTARY SCHOOL 2009 33367 AUBERRY RD N AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 2008 2007 AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 2006 AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 2005 AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 33367 AUBERRY RD N 2003 AUBERRY ELEMENTARY SCHOOL AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY RD N 2002

Α5 **AUBERRY ELEMENTARY SCHOOL** LUST U001587203 **Target** 33367 AUBERRY RD N **HIST UST** N/A

AUBERRY, CA 93602 **Property CUPA Listings CERS** 

Site 5 of 6 in cluster A

LUST: Actual:

1983 ft.

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)

Case Type: **LUST Cleanup Site** 

Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0601991890

Global Id: T0601991890 37.0802987443426 Latitude: -119.486752152443 Longitude: Status: Completed - Case Closed

Status Date: 05/25/2004 Case Worker: WWG RB Case Number: 5T10000772 Local Agency: FRESNO COUNTY File Location: Regional Board Local Case Number: FA0004825

Potential Media Affect: Well used for drinking water supply

Potential Contaminants of Concern: Diesel Site History: Not reported

LUST:

T0601991890 Global Id:

Contact Type: Local Agency Caseworker

Contact Name: FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV

Organization Name: FRESNO COUNTY 1221 Fulton Street Address:

City: Fresno

Email: environmentalhealth@fresnocountyca.gov

Phone Number: Not reported

Global Id: T0601991890

Contact Type: Regional Board Caseworker

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **AUBERRY ELEMENTARY SCHOOL (Continued)**

**EDR ID Number** 

U001587203

Contact Name: WARREN GROSS

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E STREET City: FRESNO

Email: wgross@waterboards.ca.gov

Phone Number: Not reported

LUST:

 Global Id:
 T0601991890

 Action Type:
 Other

 Date:
 09/05/2001

 Action:
 Leak Reported

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 11/06/2002

Action: Site Visit / Inspection / Sampling

Global Id: T0601991890
Action Type: RESPONSE
Date: 10/07/2002

Action: Other Report / Document

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 02/14/2002

 Action:
 Staff Letter

 Global Id:
 T0601991890

 Action Type:
 Other

 Date:
 06/11/1997

 Action:
 Leak Discovery

 Global Id:
 T0601991890

 Action Type:
 RESPONSE

 Date:
 09/30/2002

Action: Monitoring Report - Quarterly

Global Id: T0601991890
Action Type: RESPONSE
Date: 05/31/2002

Action: Soil and Water Investigation Report

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 09/24/2002

 Action:
 Staff Letter

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 09/23/2002

 Action:
 File review

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 09/13/2002

Action: Site Visit / Inspection / Sampling

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY ELEMENTARY SCHOOL (Continued)**

U001587203

**EDR ID Number** 

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 09/13/2002

 Action:
 Meeting

 Global Id:
 T0601991890

 Action Type:
 ENFORCEMENT

 Date:
 05/25/2004

Action: Closure/No Further Action Letter

Global Id: T0601991890
Action Type: ENFORCEMENT
Date: 10/09/2002

Action: Site Visit / Inspection / Sampling

Global Id: T0601991890
Action Type: ENFORCEMENT
Date: 10/09/2002

Action: Site Visit / Inspection / Sampling

LUST:

Global Id: T0601991890

Status: Completed - Case Closed

Status Date: 05/25/2004

Global Id: T0601991890

Status: Open - Case Begin Date

Status Date: 06/11/1997

Global Id: T0601991890

Status: Open - Site Assessment

Status Date: 10/02/2002

LUST REG 5:

Region: 5

Status: Case Closed Case Number: 5T10000772

Case Type: Drinking water wells have been affected

Substance: DIESEL
Staff Initials: WWG
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

HIST UST:

File Number: Not reported Not reported URL: STATE Region: Facility ID: 00000046732 Facility Type: Other Other Type: **SCHOOL** Contact Name: ERIK M. HELMS Telephone: 2098552442

Owner Name: AUBERRY ELEMENTRY SCHOOL

Owner Address: P.O. BOX 539

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY ELEMENTARY SCHOOL (Continued)**

U001587203

**EDR ID Number** 

Owner City, St, Zip: AUBERRY, CA 93602

Total Tanks: 0017

Tank Num: 001 Container Num: 001 Year Installed: 1936 Tank Capacity: 00001500 Tank Used for: **PRODUCT** Type of Fuel: DIESEL Container Construction Thickness: Not reported Leak Detection: Visual

Tank Num: 002 Container Num: 002 Year Installed: 1956 Tank Capacity: 00000000 Tank Used for: **PRODUCT** DIESEL Type of Fuel: Container Construction Thickness: Not reported Leak Detection: Visual

Tank Num: 003
Container Num: 003
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 10

Leak Detection: Stock Inventor

 Tank Num:
 004

 Container Num:
 004

 Year Installed:
 1980

 Tank Capacity:
 00001000

 Tank Used for:
 PRODUCT

 Type of Fuel:
 REGULAR

Container Construction Thickness: 10

Leak Detection: Stock Inventor

Tank Num: 005
Container Num: 005
Year Installed: 1980
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED

Container Construction Thickness: 10

Leak Detection: Stock Inventor

Tank Num: 006
Container Num: 006
Year Installed: 1984
Tank Capacity: 00001000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: 10

Leak Detection: Vapor Sniff Well

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **AUBERRY ELEMENTARY SCHOOL (Continued)**

Tank Num: 007 Container Num: 002

Year Installed:

Tank Capacity:

Tank Used for:

Type of Fuel:

Not reported
00000000
PRODUCT
06

Container Construction Thickness: Not reported Leak Detection: None

Tank Num: 008 Container Num: 001

Year Installed:

Tank Capacity:

O0000000

Tank Used for:

Type of Fuel:

Not reported
00000000

PRODUCT
06

Container Construction Thickness: Not reported Leak Detection: None

Tank Num: 009 Container Num: 003

Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT

Type of Fuel: 06

Container Construction Thickness: Not reported

Leak Detection: None

Tank Num: 010 Container Num: 005

Year Installed:

Tank Capacity:

Tank Used for:

Type of Fuel:

Not reported
00000000
PRODUCT
06

Container Construction Thickness: Not reported Leak Detection: None

Tank Num: 011 Container Num: 004

Year Installed: Not reported
Tank Capacity: 00000000
Tank Used for: PRODUCT
Type of Fuel: 06

Container Construction Thickness: Not reported Leak Detection: None

#### **CUPA FRESNO:**

Facility ID: FA0004825
Cross Street: Not reported
APM Number: Not reported
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: Not reported
GIS Longitude: Not reported

Program Element: UST REMOVAL/CLOSURE W/2 TANKS

Facility ID: FA0004825 Cross Street: Not reported U001587203

**EDR ID Number** 

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**AUBERRY ELEMENTARY SCHOOL (Continued)** 

U001587203

APM Number: Not reported Not reported CERS Id: SWIS Number: Not reported GIS Latitude: Not reported GIS Longitude: Not reported

HAZ MAT DISCLOSURE/CLOSED SITE Program Element:

Facility ID: FA0004825 Cross Street: Not reported APM Number: Not reported CERS Id: Not reported SWIS Number: Not reported GIS Latitude: Not reported GIS Longitude: Not reported

Program Element: FORMER CONTAMINATED SITE/NO FURTHER ACTION

**CERS TANKS:** 

Site ID: 235270 CERS ID: T0601991890

**CERS** Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Entity Name: WARREN GROSS - CENTRAL VALLEY RWQCB (REGION 5F)

Entity Title: Not reported 1685 É STREET Affiliation Address: **FRESNO** Affiliation City: Affiliation State: CA Affiliation Country: Not reported

Not reported Affiliation Zip: Affiliation Phone: Not reported

Affiliation Type Desc: Local Agency Caseworker

FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV - FRESNO COUNTY **Entity Name:** 

Entity Title: Not reported Affiliation Address: 1221 Fulton Street

Affiliation City: Fresno Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: Not reported

**RICHARD BRAWLEY** HIST UST U001587222 **1202 AUBERRY ROAD** N/A

< 1/8 AUBERRY, CA 93602 1 ft.

A6

Site 6 of 6 in cluster A

Relative: HIST UST:

Lower File Number: 0002500E

URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002500E.pdf Actual: 1982 ft.

STATE Region: Facility ID: 00000056619 Facility Type: Other

Other Type: RESIDENTS Contact Name: Not reported Telephone: 2098558793

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**RICHARD BRAWLEY (Continued)** U001587222

Owner Name: RICHARD BRAWLEY P.O. BOX 639 Owner Address: Owner City,St,Zip: AUBERRY, CA 93602

Total Tanks: 0001

001 Tank Num: Container Num: 1 1982 Year Installed: Tank Capacity: 00000450 Tank Used for: **PRODUCT** Type of Fuel: **REGULAR** Not reported Container Construction Thickness:

Leak Detection: Visual, Stock Inventor

Click here for Geo Tracker PDF:

HIST UST **B7 AUBERRRY GENERAL STORE** U001587202 SE 33251 AUBERRY RD N/A

Not reported

< 1/8 0.020 mi.

AUBERRY, CA 93602

103 ft. Site 1 of 5 in cluster B

HIST UST: Relative: Lower File Number:

Actual: 1974 ft. URL: Not reported STATE Region: Facility ID: 00000046798 Facility Type: Gas Station Other Type: Not reported Contact Name: Not reported Telephone: 2092947108

**HUMBERTO CONTRERAS** Owner Name:

4716 E. RICHERT Owner Address: Owner City,St,Zip: FRESNO, CA 93726

Total Tanks: 0004

Tank Num: 001 Container Num:

Year Installed: Not reported Tank Capacity: 00003000 Tank Used for: **PRODUCT** Type of Fuel: **REGULAR** Container Construction Thickness: Not reported Leak Detection: Visual

Tank Num: 002 Container Num: 2

Not reported Year Installed: 00000550 Tank Capacity: Tank Used for: **PRODUCT** Type of Fuel: UNLEADED Container Construction Thickness: Not reported Leak Detection: Visual

Tank Num: 003 Container Num: 3

Year Installed: Not reported Tank Capacity: 00000550

Direction Distance

Elevation Site Database(s) **EPA ID Number** 

# **AUBERRRY GENERAL STORE (Continued)**

U001587202

N/A

**EDR ID Number** 

Tank Used for: PRODUCT Type of Fuel: **REGULAR** Container Construction Thickness: Not reported Leak Detection: Visual

004 Tank Num: Container Num: 4

Year Installed: Not reported Tank Capacity: 00000285 Tank Used for: **PRODUCT UNLEADED** Type of Fuel: Container Construction Thickness: Not reported Leak Detection: Visual

**AUBERRY GENERAL STORE B8 EDR Hist Auto** 1020128245

SE 33251 AUBERRY RD < 1/8 AUBERRY, CA 93602

0.020 mi.

103 ft. Site 2 of 5 in cluster B

Relative:

**EDR Hist Auto** 

Lower

Year: Name: Type: Actual: 1971 AUBERRY GENERAL STORE **Grocery Stores** 1974 ft. 1972 AUBERRY GENERAL STORE **Grocery Stores** AUBERY GENERAL STORE **Grocery Stores** 1973 1974 AUBERY GENERAL STORE **Grocery Stores Grocery Stores** 1975 AUBERRY GENERAL STORE 1976 AUBERRY GENERAL STORE **Grocery Stores** AUBERRY GENERAL STORE **Grocery Stores** 1977 1978 AUBERRY GENERAL STORE **Grocery Stores** 

> 1978 AUBERRY GENERAL STORE Miscellaneous General Merchandise AUBERRY GENERAL STORE Miscellaneous General Merchandise 1979 AUBERRY GENERAL STORE 1979 **Grocery Stores**

1980 AUBERRY GENERAL STORE Miscellaneous General Merchandise

1980 AUBERRY GENERAL STORE **Grocery Stores** 

1982 AUBERRY GENERAL STORE Miscellaneous General Merchandise

1982 AUBERRY GENERAL STORE **Grocery Stores** 

1983 Miscellaneous General Merchandise AUBERRY GENERAL STORE

1983 AUBERRY GENERAL STORE **Grocery Stores** 1985 AUBERRY GENERAL STORE **Grocery Stores** 

1985 AUBERRY GENERAL STORE Miscellaneous General Merchandise AUBERRY GENERAL STORE 1986 Miscellaneous General Merchandise 1987 AUBERRY GENERAL STORE Miscellaneous General Merchandise AUBERRY GENERAL STORE 1988 Miscellaneous General Merchandise

1992 AUBERRY GENERAL STORE Miscellaneous General Merchandise Stores, NEC 1993 AUBERRY GENERAL STORE Miscellaneous General Merchandise Stores, NEC 1994 AUBERRY GENERAL STORE Miscellaneous General Merchandise Stores, NEC 1995 AUBERRY GENERAL STORE Miscellaneous General Merchandise Stores, NEC 1996 Miscellaneous General Merchandise Stores, NEC AUBERRY GENERAL STORE 1999 AUBERRY GENERAL STORE Miscellaneous General Merchandise Stores, NEC

Direction Distance

**EDR ID Number** Elevation Site **EPA ID Number** Database(s)

**B9 AUBERRY GENERAL STORE\* CUPA Listings** S105032547

N/A

**CIWQS** 

SE 33251 N AUBERRY RD AUBERRY, CA 93602 < 1/8

0.020 mi.

103 ft. Site 3 of 5 in cluster B

Relative: CUPA FRESNO:

Lower Actual: 1974 ft.

FA0004468 Facility ID: Cross Street: Not reported APM Number: 12857002 CERS Id: Not reported SWIS Number: Not reported 37.077935367 GIS Latitude:

GIS Longitude: CONTAMINATED UST SITE/RWQCB LEAD AGENCY Program Element:

-119.48685196

Facility ID: FA0004468 Cross Street: Not reported APM Number: 12857002 CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.077935367 GIS Longitude: -119.48685196

Program Element: UST REMOVAL/CLOSURE W/4 TANKS

Facility ID: FA0004468 Cross Street: Not reported APM Number: 12857002 CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.077935367 GIS Longitude: -119.48685196

Program Element: HAZ MAT DISCLOSURE/CLOSED SITE

**AUBERRY GENERAL STORE** B10 LUST U001592787

SE 33251 AUBERRY RD **HIST UST** N/A

< 1/8 AUBERRY, CA 93602 **HIST CORTESE** 0.020 mi. **CERS** Site 4 of 5 in cluster B

LUST: Relative:

103 ft.

Lower CENTRAL VALLEY RWQCB (REGION 5F) Lead Agency:

Case Type: LUST Cleanup Site Actual:

Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0601900714 1974 ft.

T0601900714 Global Id: Latitude: 37.0779020822951 Longitude: -119.485295712948 Status: Completed - Case Closed

06/21/2017 Status Date: Case Worker: MLE RB Case Number: 5T10000735 Local Agency: Not reported File Location: Regional Board Local Case Number: FA0004468

Well used for drinking water supply Potential Media Affect:

Potential Contaminants of Concern: Gasoline

Site History: The case was opened following an unauthorized release from an

underground storage tank system at the subject site. Corrective

action is underway as directed by the CVRWQCB. Corrective action may

consist of preliminary site investigation, planning and

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **AUBERRY GENERAL STORE (Continued)**

U001592787

implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

LUST:

Global Id: T0601900714

Contact Type: Regional Board Caseworker

Contact Name: MICHEALE EASLEY

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E Street City: **FRESNO** 

micheale.easley@waterboards.ca.gov Email:

Phone Number: 5594884391

LUST:

Global Id: T0601900714 Action Type: **ENFORCEMENT** 09/03/2002 Date: Action: Staff Letter

Global Id: T0601900714 Action Type: **RESPONSE** Date: 07/15/2006

Monitoring Report - Quarterly Action:

Global Id: T0601900714 **RESPONSE** Action Type: Date: 10/15/2006

Monitoring Report - Quarterly Action:

Global Id: T0601900714 Action Type: REMEDIATION Date: 06/14/2006

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0601900714 **ENFORCEMENT** Action Type: 11/14/2011 Date: Action: Staff Letter

Global Id: T0601900714 Action Type: **RESPONSE** Date: 09/30/2016

Other Report / Document Action:

T0601900714 Global Id: Action Type: **ENFORCEMENT** 07/22/2009 Date: Staff Letter Action:

Global Id: T0601900714 **ENFORCEMENT** Action Type: Date: 02/22/2012 Action: Staff Letter

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/06/2013

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 02/09/2007

 Action:
 \* No Action

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/12/2003

Action: \* Historical Enforcement

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 08/20/2003

Action: Site Visit / Inspection / Sampling

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/09/2016

Action: Request for Closure - Regulator Responded

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 09/20/2016

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/01/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/01/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/01/2009

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/01/2008

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/01/2009

Action: Interim Remedial Action Report

Global Id: T0601900714
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

Date: 05/30/2007

Action: Verbal Communication

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 06/21/2003

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 06/30/2003

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 08/01/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 04/01/2017

Action: Well Destruction Report

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/30/2011

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: RESPONSE
Date: 03/07/2007

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/30/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 12/19/2002

Action: Corrective Action Plan / Remedial Action Plan

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 03/10/2003

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 03/24/2003

Action: Soil and Water Investigation Workplan

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 08/01/2013

Action: Monitoring Report - Quarterly

Direction Distance

Elevation Site Database(s) EPA ID Number

# **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/30/2003

 Action:
 Other Workplan

Global Id: T0601900714
Action Type: RESPONSE
Date: 11/01/2013

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: RESPONSE
Date: 11/01/2013

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 07/21/2004

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: RESPONSE
Date: 11/01/2008

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/01/2009

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 03/17/2009

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0601900714

 Action Type:
 REMEDIATION

 Date:
 06/14/2006

Action: In Situ Physical/Chemical Treatment (other than SVE)

 Global Id:
 T0601900714

 Action Type:
 REMEDIATION

 Date:
 07/01/2010

Action: In Situ Physical/Chemical Treatment (other than SVE)

 Global Id:
 T0601900714

 Action Type:
 Other

 Date:
 11/03/1999

 Action:
 Leak Stopped

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/30/2015

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

# **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

Date: 07/28/2016 Action: Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 10/26/2006

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 05/05/2006

Action: Site Visit / Inspection / Sampling

Global Id: T0601900714
Action Type: RESPONSE
Date: 04/15/2006

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE
Date: 02/01/2007

Action: NPDES / WDR Reports

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 05/01/2007

Action: NPDES / WDR Reports

Global Id: T0601900714
Action Type: RESPONSE
Date: 12/22/2006

Action: Public Participation Plan

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 06/30/2011

 Action:
 Correspondence

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 08/01/2011

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/06/2011

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/30/2011

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 03/22/2007

Action: Other Report / Document

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 09/26/2013

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 01/23/2003

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 01/29/2003

Action: \* Verbal Communication

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 01/31/2003

Action: \* Verbal Communication

Global Id: T0601900714
Action Type: RESPONSE
Date: 02/01/2007

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/01/2007

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/01/2007

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/30/2004

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 09/23/2003

Action: Corrective Action Plan / Remedial Action Plan

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 10/19/2016

Action: Notification - Preclosure

Global Id: T0601900714
Action Type: RESPONSE
Date: 09/15/2005

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **AUBERRY GENERAL STORE (Continued)**

U001592787

Date: 06/14/2016

Request for Closure - Regulator Responded Action:

Global Id: T0601900714 Action Type: **RESPONSE** Date: 05/18/2017

Action: Request for Closure - Regulator Responded

Global Id: T0601900714 Action Type: **ENFORCEMENT** Date: 04/25/2012

Clean Up Fund - Case Closure Review Summary Report (RSR) Action:

Global Id: T0601900714 Action Type: **ENFORCEMENT** Date: 11/02/2015 Action: Staff Letter

Global Id: T0601900714 **RESPONSE** Action Type: Date: 11/01/2015

Action: Monitoring Report - Quarterly

Global Id: T0601900714 Action Type: **ENFORCEMENT** Date: 08/13/2003 Action: Staff Letter

Global Id: T0601900714 **ENFORCEMENT** Action Type: Date: 09/13/2002

Action: Site Visit / Inspection / Sampling

Global Id: T0601900714 **ENFORCEMENT** Action Type: Date: 12/01/2005

Action: Site Visit / Inspection / Sampling

T0601900714 Global Id: Action Type: **RESPONSE** Date: 11/01/2014

Action: Monitoring Report - Quarterly

Global Id: T0601900714 **RESPONSE** Action Type: Date: 07/31/2002

Action: Soil and Water Investigation Report

Global Id: T0601900714 Action Type: **RESPONSE** Date: 02/01/2009

Action: Remedial Progress Report

Global Id: T0601900714 Action Type: RESPONSE 05/23/2002 Date:

Action: Interim Remedial Action Report

Direction Distance

Elevation Site Database(s) EPA ID Number

# **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 06/05/2002

Action: Interim Remedial Action Report

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 05/31/2002

Action: Soil and Water Investigation Workplan

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 12/01/2008

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 09/01/2009

Action: Amendment to Order

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/01/2016

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/01/2006

Action: NPDES / WDR Reports

Global Id: T0601900714
Action Type: RESPONSE
Date: 12/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 08/01/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 08/01/2007

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 REMEDIATION

 Date:
 04/01/2010

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0601900714
Action Type: REMEDIATION
Date: 12/31/2009

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0601900714 Action Type: RESPONSE

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **AUBERRY GENERAL STORE (Continued)**

U001592787

Date: 11/01/2006

NPDES / WDR Reports Action:

Global Id: T0601900714 Action Type: **RESPONSE** Date: 02/15/2010

Action: Interim Remedial Action Report

Global Id: T0601900714 Action Type: Other Date: 12/13/1999 Action: Leak Discovery

Global Id: T0601900714 Action Type: **ENFORCEMENT** Date: 01/04/2017 Action: Staff Letter

Global Id: T0601900714 Action Type: REMEDIATION Date: 03/31/2009

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0601900714 **RESPONSE** Action Type: Date: 12/30/2011

Action: Other Workplan - Regulator Responded

T0601900714 Global Id: **ENFORCEMENT** Action Type: 06/21/2017 Date:

Action: Closure/No Further Action Letter

Global Id: T0601900714 **RESPONSE** Action Type: Date: 11/15/2009

Action: Interim Remedial Action Report

T0601900714 Global Id: **RESPONSE** Action Type: Date: 05/01/2015

Action: Request for Closure - Regulator Responded

Global Id: T0601900714 **ENFORCEMENT** Action Type: Date: 05/01/2003

Action: Waste Discharge Requirements

Global Id: T0601900714 Action Type: **ENFORCEMENT** Date: 05/21/2002 Action: 13267 Requirement

Global Id: T0601900714 **ENFORCEMENT** Action Type: Date: 07/19/2002 Action: Staff Letter

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/07/2002

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 07/26/2002

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 12/12/2013

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: RESPONSE
Date: 02/15/2004

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 04/15/2004

Action: Site Visit / Inspection / Sampling

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 03/30/2004

Action: Soil and Water Investigation Report

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/01/2014

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/01/2014

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 05/20/2014

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/15/2010

Action: Interim Remedial Action Report

Global Id: T0601900714
Action Type: RESPONSE

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

Date: 07/29/2004

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 07/30/2004

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 09/16/2014

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: RESPONSE
Date: 11/15/2010

Action: Interim Remedial Action Report

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 02/26/2007

Action: Technical Correspondence / Assistance / Other

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 02/23/2007

Action: Notification - Public Participation Document

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 02/26/2007

Action: NPDES Permit - #CA0084981

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/07/2007

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 03/20/2007

 Action:
 \* No Action

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 09/19/2007

Action: Verbal Communication

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/01/2008

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 05/01/2008

Action: Monitoring Report - Quarterly

Direction Distance

Elevation Site Database(s) EPA ID Number

## **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/01/2008

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 05/01/2008

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2010

 Action:
 Staff Letter

Global Id: T0601900714
Action Type: RESPONSE
Date: 09/15/2002

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 10/18/2002

 Action:
 Other Workplan

Global Id: T0601900714
Action Type: RESPONSE
Date: 10/03/2002

Action: Other Report / Document

Global Id: T0601900714
Action Type: RESPONSE
Date: 07/31/2002

Action: Interim Remedial Action Plan

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 10/31/2002

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/15/2003

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/15/2002

Action: Other Report / Document

Global Id: T0601900714
Action Type: RESPONSE
Date: 08/15/2003

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

Date: 11/15/2003

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/23/2003

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 07/07/2002

Action: Soil and Water Investigation Workplan

Global Id: T0601900714
Action Type: RESPONSE
Date: 07/07/2002

Action: Other Report / Document

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 07/31/2002

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 10/15/2003

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/09/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 06/06/2003

Action: \* Verbal Communication

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 05/20/2003

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 11/20/2006

Action: Technical Correspondence / Assistance / Other

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 11/20/2006

Action: NPDES Permit - # CA0084981

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 02/10/2015

 Action:
 Staff Letter

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 03/07/2005

Action: NPDES Permit - # CA0084981

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 11/07/2006

Action: Verbal Communication

Global Id: T0601900714
Action Type: ENFORCEMENT
Date: 03/15/2007

Action: Notification - Public Participation Document

Global Id: T0601900714
Action Type: RESPONSE
Date: 12/22/2006

Action: Public Participation Plan - Regulator Responded

 Global Id:
 T0601900714

 Action Type:
 ENFORCEMENT

 Date:
 10/19/2016

 Action:
 Staff Letter

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 08/30/2007

Action: Verbal Communication

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/01/2007

Action: Monitoring Report - Quarterly

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 11/01/2007

Action: Remedial Progress Report

 Global Id:
 T0601900714

 Action Type:
 RESPONSE

 Date:
 02/01/2007

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/01/2012

Action: Remedial Progress Report

Global Id: T0601900714
Action Type: RESPONSE
Date: 05/01/2009

Action: Monitoring Report - Quarterly

Global Id: T0601900714
Action Type: RESPONSE

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **AUBERRY GENERAL STORE (Continued)**

U001592787

Date: 05/15/2010

Interim Remedial Action Report Action:

Global Id: T0601900714 Action Type: **ENFORCEMENT** 05/22/2013 Date: Staff Letter Action:

Global Id: T0601900714 Action Type: Other 01/14/2000 Date: Action: Leak Reported

Global Id: T0601900714 Action Type: **ENFORCEMENT** Date: 04/30/2010 Action: Staff Letter

LUST:

T0601900714 Global Id:

Status: Completed - Case Closed

06/21/2017 Status Date:

Global Id: T0601900714

Open - Case Begin Date Status:

Status Date: 11/03/1999

Global Id: T0601900714 Status: Open - Remediation

12/20/2002 Status Date:

Global Id: T0601900714 Open - Remediation Status:

01/23/2003 Status Date:

Global Id: T0601900714 Status: Open - Remediation

Status Date: 09/25/2003

T0601900714 Global Id: Open - Remediation Status:

Status Date: 10/03/2003

T0601900714 Global Id: Status: Open - Remediation

Status Date: 04/30/2007

Global Id: T0601900714 Open - Remediation Status:

Status Date: 08/02/2007

T0601900714 Global Id: Open - Remediation Status:

11/01/2007 Status Date:

Global Id: T0601900714 Status: Open - Remediation

Direction Distance

Elevation Site Database(s) EPA ID Number

**AUBERRY GENERAL STORE (Continued)** 

Status Date: 01/31/2008

Global Id: T0601900714
Status: Open - Remediation

Status Date: 05/22/2008

Global Id: T0601900714

Status: Open - Site Assessment

Status Date: 12/13/2000

LUST REG 5:

Region: 5

Status: Remedial action (cleanup) Underway

Case Number: 5T10000735

Case Type: Drinking water wells have been affected

Substance: GASOLINE
Staff Initials: WWG
Lead Agency: Regional
Program: LUST
MTBE Code: N/A

HIST UST:

File Number: 0002452C

URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002452C.pdf

Region: STATE
Facility ID: 00000002518
Facility Type: Gas Station
Other Type: Not reported
Contact Name: Not reported
Telephone: 2092264263

Owner Name: HUMBERTO R. CONTRERAS

Owner Address: 4716 E RICHERT
Owner City,St,Zip: FRESNO, CA 93726

Total Tanks: 0004

Tank Num: 001 Container Num: 1

Year Installed:

Tank Capacity:

O0003000

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Stock Inventor

Tank Num: 001 Container Num: 1

Year Installed:

Tank Capacity:

O0003000

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Stock Inventor

Tank Num: 002 Container Num: 2 **EDR ID Number** 

U001592787

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

U001592787

**EDR ID Number** 

Year Installed:

Tank Capacity:

O0000500

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Stock Inventor

Tank Num: 002 Container Num: 2

Year Installed:

Tank Capacity:

O0000500

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Stock Inventor

Tank Num: 003 Container Num: 3

Year Installed:

Tank Capacity:

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

UNLEADED

Not reported

Stock Inventor

Tank Num: 003 Container Num: 3

Year Installed:

Tank Capacity:

O0000500

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Stock Inventor

Tank Num: 004 Container Num: 4

Year Installed:

Tank Capacity:

O0000300

Tank Used for:

Type of Fuel:

Container Construction Thickness:

Leak Detection:

Not reported

Stock Inventor

Tank Num: 004 Container Num: 4

Year Installed:
Tank Capacity:
O0000300
Tank Used for:
Type of Fuel:
Container Construction Thickness:
Leak Detection:
Not reported
Stock Inventor

Click here for Geo Tracker PDF:

HIST CORTESE:

Region: CORTESE Facility County Code: 10

Direction Distance

Elevation Site Database(s) EPA ID Number

**AUBERRY GENERAL STORE (Continued)** 

U001592787

**EDR ID Number** 

Reg By: LTNKA Reg Id: 5T10000735

**CERS TANKS:** 

 Site ID:
 221421

 CERS ID:
 T0601900714

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Entity Name: MICHEALE EASLEY - 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: 5594884391

CIWQS:

Agency: Contreras, Humberto

Agency Address: 4716 East Richert Avenue, Fresno, CA 93726

Place/Project Type: Service/Commercial Site, NEC

SIC/NAICS: 5541 Region: 5F

Program: NPDNONMUNIPRCS
Regulatory Measure Status: Historical

Regulatory Measure Type: Enrollee Order Number: R5-2013-0075 WDID: 5B10NP00012 NPDES Number: CAG915001 Adoption Date: Not reported 03/07/2005 Effective Date: Termination Date: 05/22/2013 Expiration/Review Date: 05/30/2018 Design Flow: Not reported Major/Minor: Minor Complexity: Not reported

TTWQ: Not reported Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 37.07793
Longitude: -119.48685

B11 AUBERRY GENERAL STORE SWEEPS UST S106922960

SE 33251 N AUBERRY RD < 1/8 AUBERRY, CA 93602

0.020 mi.

103 ft. Site 5 of 5 in cluster B

Relative: SWEEPS UST:

 Lower
 Status:
 Active

 Actual:
 Comp Number:
 2518

 1974 ft.
 Number:
 2

Board Of Equalization: 44-003463 Referral Date: 02-10-94 N/A

Direction Distance

Elevation Site Database(s) EPA ID Number

### **AUBERRY GENERAL STORE (Continued)**

Action Date: 05-24-94 Created Date: 02-29-88

Owner Tank Id: 1

SWRCB Tank ld: 10-000-002518-000001

Tank Status: A
Capacity: 3000
Active Date: 01-16-94
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED

Number Of Tanks: 4

Status: Active
Comp Number: 2518
Number: 2

 Board Of Equalization:
 44-003463

 Referral Date:
 02-10-94

 Action Date:
 05-24-94

 Created Date:
 02-29-88

Owner Tank Id: 2

SWRCB Tank Id: 10-000-002518-000002

Tank Status: A

 Capacity:
 500

 Active Date:
 01-16-94

 Tank Use:
 M.V. FUEL

 STG:
 P

Content: REG UNLEADED

Number Of Tanks: Not reported

Status: Active Comp Number: 2518 Number: 2

 Board Of Equalization:
 44-003463

 Referral Date:
 02-10-94

 Action Date:
 05-24-94

 Created Date:
 02-29-88

Owner Tank Id: 3

SWRCB Tank ld: 10-000-002518-000003

Tank Status: A
Capacity: 500
Active Date: 01-16-94
Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED Number Of Tanks: Not reported

 Status:
 Active

 Comp Number:
 2518

 Number:
 2

 Board Of Equalization:
 44-003463

 Referral Date:
 02-10-94

 Action Date:
 05-24-94

 Created Date:
 02-29-88

Owner Tank Id: 4

SWRCB Tank ld: 10-000-002518-000004

Tank Status: A Capacity: 300 S106922960

**EDR ID Number** 

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

AUBERRY GENERAL STORE (Continued)

S106922960

S118416782

N/A

HIST UST

Active Date: 07-01-85 Tank Use: M.V. FUEL

STG: P

Content: REG UNLEADED
Number Of Tanks: Not reported

NNE 33260 POWER HOUSE RD

**VILLAS TRADING POST** 

< 1/8 AUBERRY, CA 93602

0.047 mi.

C12

249 ft. Site 1 of 3 in cluster C

Relative: HIST UST: Higher File Number:

Higher File Number: 00023727
Actual: URL: http://geotr

Actual: URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00023727.pdf 2003 ft. Region: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/00023727.pdf

Facility ID: Not reported Facility Type: Not reported Not reported Other Type: Contact Name: Not reported Telephone: Not reported Owner Name: Not reported Owner Address: Not reported Owner City, St, Zip: Not reported Total Tanks: Not reported

Tank Num: Not reported Container Num: Not reported Year Installed: Not reported Tank Capacity: Not reported Tank Used for: Not reported Type of Fuel: Not reported Container Construction Thickness: Not reported Not reported Leak Detection:

Click here for Geo Tracker PDF:

 C13
 ABANDONED EXXON
 LUST
 \$104870755

 NNE
 33260 POWERHOUSE RD
 SWEEPS UST
 N/A

< 1/8 AUBERRY, CA 93602 CUPA Listings 0.047 mi. HIST CORTESE 249 ft. Site 2 of 3 in cluster C CERS

Relative: LUST:

HigherLead Agency:FRESNO COUNTYActual:Case Type:LUST Cleanup Site

2003 ft. Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0601900245

 Global Id:
 T0601900245

 Latitude:
 37.081738

 Longitude:
 -119.487799

Status: Completed - Case Closed

Status Date: 05/23/1991
Case Worker: EHD
RB Case Number: 5T10000247
Local Agency: FRESNO COUNTY
File Location: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

# **ABANDONED EXXON (Continued)**

S104870755

**EDR ID Number** 

Local Case Number: FA0269419
Potential Media Affect: Soil
Potential Contaminants of Concern: Gasoline
Site History: Not reported

LUST:

Global Id: T0601900245

Contact Type: Local Agency Caseworker

Contact Name: FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV

Organization Name: FRESNO COUNTY Address: FRESNO Street

City: Fresno

Email: environmentalhealth@fresnocountyca.gov

Phone Number: Not reported

Global Id: T0601900245

Contact Type: Regional Board Caseworker

Contact Name: WARREN GROSS

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E STREET City: FRESNO

Email: wgross@waterboards.ca.gov

Phone Number: Not reported

LUST:

 Global Id:
 T0601900245

 Action Type:
 Other

 Date:
 08/01/1990

 Action:
 Leak Stopped

 Global Id:
 T0601900245

 Action Type:
 Other

 Date:
 08/24/1990

 Action:
 Leak Discovery

 Global Id:
 T0601900245

 Action Type:
 Other

 Date:
 08/27/1990

 Action:
 Leak Reported

LUST:

Global Id: T0601900245

Status: Completed - Case Closed

Status Date: 05/23/1991

Global Id: T0601900245

Status: Open - Case Begin Date

Status Date: 08/01/1990

LUST REG 5:

Region: 5

Status: Case Closed
Case Number: 5T10000247
Case Type: Soil only
Substance: GASOLINE

Direction Distance

Elevation Site Database(s) EPA ID Number

### **ABANDONED EXXON (Continued)**

S104870755

**EDR ID Number** 

Staff Initials: WWG
Lead Agency: Local
Program: LUST
MTBE Code: N/A

SWEEPS UST:

Status: Not reported Comp Number: 6627 Number: Not reported Roard Of Equalization: 44-003557

Board Of Equalization: 44-003557
Referral Date: Not reported
Action Date: Not reported
Created Date: Not reported
Owner Tank Id: Not reported

SWRCB Tank Id: 10-000-006627-000001

Tank Status: Not reported
Capacity: 2000
Active Date: Not reported
Tank Use: M.V. FUEL
STG: PRODUCT
Content: REG UNLEADED

Number Of Tanks: 2

Status: Not reported Comp Number: 6627 Number: Not reported Board Of Equalization: 44-003557 Referral Date: Not reported Action Date: Not reported Not reported Created Date: Owner Tank Id: Not reported

SWRCB Tank Id: 10-000-006627-000002

Tank Status:

Capacity:

Active Date:

Tank Use:

STG:

Content:

Not reported

Not reported

M.V. FUEL

PRODUCT

REG UNLEADED

Number Of Tanks:

Not reported

CUPA FRESNO:

Facility ID: FA0269419
Cross Street: Not reported
APM Number: 12856004
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: 37.081766548
GIS Longitude: -119.48763799

Program Element: UST REMOVAL/CLOSURE W/2 TANKS

Facility ID: FA0269419
Cross Street: Not reported
APM Number: 12856004
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: 37.081766548

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**ABANDONED EXXON (Continued)** 

S104870755

GIS Longitude: -119.48763799

FORMER CONTAMINATED SITE/NO FURTHER ACTION Program Element:

HIST CORTESE:

Region: CORTESE Facility County Code: 10 **LTNKA** Reg By: 5T10000247 Reg Id:

**CERS TANKS:** 

193647 Site ID: T0601900245 CERS ID:

**CERS** Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker

Entity Name: FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV - FRESNO COUNTY

Entity Title: Not reported Affiliation Address: 1221 Fulton Street

Affiliation City: Fresno Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker

Entity Name: WARREN GROSS - CENTRAL VALLEY RWQCB (REGION 5F)

Entity Title: Not reported Affiliation Address: 1685 É STREET Affiliation City: **FRESNO** Affiliation State: CA

Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: Not reported

C14 **VILLA'S TRADING POST** HIST UST U001587224 NNE 33260 POWERHOUSE RD N/A

AUBERRY, CA 93602 < 1/8 0.047 mi.

249 ft. Site 3 of 3 in cluster C

Relative: HIST UST:

Higher File Number: Not reported URL: Not reported Actual: 2003 ft. Region: STATE

Facility ID: 00000006627 Facility Type: Gas Station Other Type: Not reported Contact Name: AL VILLA 2098558717 Telephone: Owner Name: AL VILLA

33260 POWER HOUSE RD Owner Address: Owner City,St,Zip: AUBERRY, CA 93602

Total Tanks: 0002

Tank Num: 001

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **VILLA'S TRADING POST (Continued)**

U001587224

Container Num:

Not reported Year Installed: Tank Capacity: 00001000 Tank Used for: **PRODUCT** Type of Fuel: **UNLEADED** Container Construction Thickness: Not reported Leak Detection: Visual

Tank Num: 002 Container Num: 2

Year Installed: Not reported 00001000 Tank Capacity: **PRODUCT** Tank Used for: Type of Fuel: **UNLEADED** Container Construction Thickness: Not reported Leak Detection: Visual

S106922959 D15 **AUBERRY GARAGE** LUST **ESE** 33246 AUBERRY ROAD **SWEEPS UST** N/A < 1/8 AUBERRY, CA 93602

0.066 mi.

346 ft. Site 1 of 4 in cluster D

LUST: Relative:

Lower Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)

Case Type: **LUST Cleanup Site** Actual:

Geo Track: http://geotracker.waterboards.ca.gov/profile report.asp?global id=T0601920015 1981 ft.

> Global Id: T0601920015 37.077884963008 Latitude: Longitude: -119.485116004944 Status: Open - Site Assessment

Status Date: 11/07/2003 Case Worker: MLE RB Case Number: 5T10000813 Local Agency: Not reported File Location: Regional Board

Potential Media Affect: Aquifer used for drinking water supply, Soil, Soil Vapor, Well used

for drinking water supply

FA0168901

Potential Contaminants of Concern: Gasoline

Local Case Number:

Site History: The case was opened following an unauthorized release from an

> underground storage tank system at the subject site. The CVRWQCB conducted a preliminary investigation in November 2003. Corrective actions performed at a neighboring case have been ongoing since June 2006. CVRWQCB issued enforcement order R5-2014-0833 on 19 November

2014 wich directed a follow-up site investigation for this case. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the

CVRWQCB should be consulted.

LUST:

Global Id: T0601920015

Contact Type: Regional Board Caseworker Contact Name: MICHEALE EASLEY

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E Street **FRESNO** City:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **AUBERRY GARAGE (Continued)**

S106922959

Email: micheale.easley@waterboards.ca.gov

5594884391 Phone Number:

LUST:

Global Id: T0601920015 Action Type: **ENFORCEMENT** Date: 08/14/2003

Site Visit / Inspection / Sampling Action:

Global Id: T0601920015 Action Type: **ENFORCEMENT** Date: 11/07/2003

Action: Site Visit / Inspection / Sampling

Global Id: T0601920015 REMEDIATION Action Type: Date: 01/03/2008

Action: In Situ Physical/Chemical Treatment (other than SVE)

T0601920015 Global Id: **RESPONSE** Action Type: Date: 08/06/2015

Action: Request for Closure - Regulator Responded

Global Id: T0601920015 Action Type: **ENFORCEMENT** Date: 02/08/2017

Action: 13267 Requirement

Global Id: T0601920015 Action Type: **ENFORCEMENT** Date: 06/17/2014 Action: Staff Letter

Global Id: T0601920015 **ENFORCEMENT** Action Type: Date: 03/19/2015 Action: Notice of Violation

T0601920015 Global Id: **ENFORCEMENT** Action Type: Date: 03/17/2016 Action: Staff Letter

Global Id: T0601920015 **ENFORCEMENT** Action Type: Date: 03/05/2009

Technical Correspondence / Assistance / Other Action:

T0601920015 Global Id: Action Type: Other Date: 07/01/1991 Action: Leak Stopped

T0601920015 Global Id: Action Type: **RESPONSE** 02/18/2015 Date:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### **AUBERRY GARAGE (Continued)**

S106922959

Action: Preliminary Site Assessment Workplan

T0601920015 Global Id: Action Type: **RESPONSE** Date: 06/09/2016

Request for Closure - Regulator Responded Action:

Global Id: T0601920015 Action Type: **RESPONSE** Date: 11/28/2003

Other Report / Document Action:

T0601920015 Global Id: Action Type: **RESPONSE** Date: 09/15/2003

Other Report / Document Action:

T0601920015 Global Id: Action Type: **RESPONSE** Date: 08/01/2017

Action: Preliminary Site Assessment Report

Global Id: T0601920015 Action Type: **RESPONSE** Date: 09/30/2016

Action: Soil and Water Investigation Workplan - Addendum

Global Id: T0601920015 Action Type: **ENFORCEMENT** Date: 07/19/2016 Staff Letter Action:

Global Id: T0601920015 Action Type: Other 12/01/2003 Date: Action: Leak Discovery

Global Id: T0601920015 **ENFORCEMENT** Action Type: Date: 08/19/2015 Action: Staff Letter

Global Id: T0601920015 Action Type: **RESPONSE** 05/30/2014 Date:

Action: Preliminary Site Assessment Workplan

Global Id: T0601920015 Action Type: **ENFORCEMENT** 06/03/2014 Date:

Action: Verbal Communication

Global Id: T0601920015 Action Type: **ENFORCEMENT** Date: 02/25/2014 Action: Staff Letter

Direction
Distance
Elevation

ion Site Database(s) EPA ID Number

## **AUBERRY GARAGE (Continued)**

S106922959

**EDR ID Number** 

 Global Id:
 T0601920015

 Action Type:
 RESPONSE

 Date:
 08/09/2002

Action: Other Report / Document

Global Id: T0601920015
Action Type: RESPONSE
Date: 12/15/2003

Action: Other Report / Document

 Global Id:
 T0601920015

 Action Type:
 ENFORCEMENT

 Date:
 08/11/2003

Action: \* Historical Enforcement

 Global Id:
 T0601920015

 Action Type:
 ENFORCEMENT

 Date:
 08/14/2003

 Action:
 Meeting

Global Id: T0601920015
Action Type: ENFORCEMENT
Date: 07/19/2002

Action: \* Historical Enforcement

 Global Id:
 T0601920015

 Action Type:
 ENFORCEMENT

 Date:
 08/20/2003

Action: \* Historical Enforcement

 Global Id:
 T0601920015

 Action Type:
 ENFORCEMENT

 Date:
 10/23/2003

 Action:
 Staff Letter

 Global Id:
 T0601920015

 Action Type:
 ENFORCEMENT

 Date:
 11/19/2014

 Action:
 13267 Requirement

 Global Id:
 T0601920015

 Action Type:
 Other

 Date:
 12/01/2003

 Action:
 Leak Reported

LUST:

Global Id: T0601920015

Status: Open - Case Begin Date

Status Date: 07/01/1991

Global Id: T0601920015

Status: Open - Site Assessment

Status Date: 11/07/2003

SWEEPS UST:

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**AUBERRY GARAGE (Continued)** 

S106922959

Status: Active Comp Number: 15002 Number: 2

Board Of Equalization: Not reported Referral Date: 07-05-90 07-05-90 Action Date: Created Date: 07-05-90 Owner Tank Id: Not reported

SWRCB Tank Id: 10-000-015002-000001

Tank Status: 1000 Capacity: Active Date: 07-05-90 M.V. FUEL Tank Use:

STG:

Content: **REG UNLEADED** 

Number Of Tanks:

Status: Active Comp Number: 15002 Number: 2

Board Of Equalization: Not reported Referral Date: 07-05-90 07-05-90 Action Date: Created Date: 07-05-90 Owner Tank Id: Not reported

SWRCB Tank Id: 10-000-015002-000002

Tank Status: Capacity: 1000 Active Date: 07-05-90 M.V. FUEL Tank Use:

STG:

Content: **REG UNLEADED** Number Of Tanks: Not reported

**BORELLI ANTHONY EDR Hist Auto** 1020216936

**ESE** 33246 AUBERRY RD < 1/8 AUBERRY, CA 93602

0.066 mi.

D16

346 ft. Site 2 of 4 in cluster D

Relative: Lower

1981 ft.

**EDR Hist Auto** 

Name: Actual: Year:

1992 **AUBERRY GARAGE** General Automotive Repair Shops **NOLEN PAUL** 1993 General Automotive Repair Shops 1994 **NOLEN PAUL** General Automotive Repair Shops 1995 **NOLEN PAUL** General Automotive Repair Shops General Automotive Repair Shops 1996 **NOLEN PAUL** 

1997 AUBERRY GENERAL STORE Miscellaneous General Merchandise Stores, NEC

1997 General Automotive Repair Shops **NOLEN PAUL** 1998 **NOLEN PAUL** General Automotive Repair Shops 1999 **NOLEN PAUL** General Automotive Repair Shops 2000 **BORELLI ANTHONY** General Automotive Repair Shops 2001 **BORELLI ANTHONY** General Automotive Repair Shops 2002 **BORELLI ANTHONY** General Automotive Repair Shops 2003 **BORELLI ANTHONY** General Automotive Repair Shops 2004 **BORELLI ANTHONY** General Automotive Repair Shops 2005 **BORELLI ANTHONY** General Automotive Repair Shops

N/A

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

**BORELLI ANTHONY (Continued)** 1020216936

2006 **BORELLI ANTHONY** General Automotive Repair Shops 2008 **BORELLI ANTHONY** General Automotive Repair Shops

D17 **AUBERRY GARAGE** CUPA Listings S104867240 33246 N AUBERRY RD **ESE** N/A

< 1/8 AUBERRY, CA 93602

0.066 mi.

346 ft. Site 3 of 4 in cluster D

Relative: **CUPA FRESNO:** Lower Facility ID:

FA0168901 Cross Street: Not reported Actual: 1981 ft. APM Number: 12823009 CERS Id: Not reported SWIS Number: Not reported 37.0779 GIS Latitude: GIS Longitude: -119.4849

> Program Element: CLOSED UST FACILITY/NO CLOSURE REPORT

FA0168901 Facility ID: Cross Street: Not reported APM Number: 12823009 CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.0779 GIS Lonaitude: -119.4849

Program Element: HAZ MAT DISCLOSURE-BELOW REPORTING QUANTITY

Facility ID: FA0168901 Cross Street: Not reported APM Number: 12823009 CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.0779 GIS Longitude: -119.4849

Program Element: HAZARDOUS WASTE GENERATOR (CESQG)

Facility ID: FA0168901 Cross Street: Not reported APM Number: 12823009 CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.0779 GIS Longitude: -119.4849

CONTAMINATED UST SITE/RWQCB LEAD AGENCY Program Element:

Facility ID: FA0168901 Cross Street: Not reported 12823009 APM Number: CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.0779 GIS Longitude: -119.4849

Program Element: WASTE TIRE FACILITY/SMALL QUANTITY GENERATOR

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

D18 **AUBERRY GARAGE** LUST S106174744 **ESE** 33246 AUBERRY ROAD **CERS** N/A

AUBERRY, CA 93602 < 1/8

0.066 mi.

346 ft. Site 4 of 4 in cluster D

LUST REG 5: Relative:

Lower Region: Status:

Leak being confirmed Actual: 5T10000813 Case Number: 1981 ft.

Case Type: Drinking Water Aquifer affected

> Substance: **GASOLINE** WWG Staff Initials: Lead Agency: Regional LUST Program: MTBE Code: N/A

**CERS TANKS:** 

Site ID: 212862 CERS ID: T0601920015

**CERS** Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Entity Name: MICHEALE EASLEY - 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 5594884391 Affiliation Phone:

FRESNO COUNTY YARD #5 E19 SWF/LF S104867238 33148 AUBERRY RD LUST N/A

SE < 1/8 AUBERRY, CA 93602

0.110 mi.

581 ft. Site 1 of 2 in cluster E

Relative:

Lower Actual:

1970 ft. SWF/LF (SWIS):

10-AA-0211 Facility ID:

Lat/Long: 37.07773 / -119.48546 Owner Name: County of Fresno Public Works

Owner Telephone: 5592624240

Public Works, Maintenance and Operations Owner Address:

Owner Address2: 2220 Tulare Street, 6th Floor

Owner City, St, Zip: Fresno, CA 93721

Operational Status: Active

Operator: County of Fresno, Public Works Maint Op.

Operator Phone: 5598342474 Operator Address: Alan Weaver

Operator Address2: 2220 Tulare Street, 6th Floor

Operator City, St, Zip: Fresno, CA 93721 Permit Date: 04/05/2006 Permit Status: Notification Permitted Acreage: 4.9

**AST** 

**CERS** 

**SWEEPS UST** 

**CUPA Listings** 

**HIST CORTESE** 

**HIST UST** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### FRESNO COUNTY YARD #5 (Continued)

S104867238

**EDR ID Number** 

Activity: Limited Volume Transfer Operation

Regulation Status: Notification

Landuse Name: Open Space - Nonirrigated, Commercial, Agricultural

GIS Source: Map

Category: Transfer/Processing

Unit Number: 01
Inspection Frequency: Quarterly

Accepted Waste: Construction/demolition, Green Materials, Inert, Metals, Tires

Closure Date: Not reported
Closure Type: Not reported
Disposal Acreage: Not reported
SWIS Num: 10-AA-0211
Waste Discharge Requirement Num: Not reported
Program Type: Not reported

Permitted Throughput with Units: 15

Actual Throughput with Units: Cu Yards/day
Permitted Capacity with Units: 3900
Remaining Capacity: Not reported
Remaining Capacity with Units: Cu Yards/year
Lat/Long: 37.07773 / -119.48546

LUST:

Lead Agency: FRESNO COUNTY
Case Type: LUST Cleanup Site

Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0601900721

 Global Id:
 T0601900721

 Latitude:
 37.0765068477137

 Longitude:
 -119.484053850174

 Status:
 Completed - Case Closed

Status Date: 12/07/2001 Case Worker: EHD

RB Case Number: 5T10000742
Local Agency: FRESNO COUNTY
File Location: Not reported
Local Case Number: FA0268337
Potential Media Affect: Soil
Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0601900721

Contact Type: Local Agency Caseworker

Contact Name: FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV

Organization Name: FRESNO COUNTY Address: FRESNO Street

City: Fresno

Email: environmentalhealth@fresnocountyca.gov

Phone Number: Not reported

Global Id: T0601900721

Contact Type: Regional Board Caseworker

Contact Name: WARREN GROSS

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E STREET City: FRESNO

Email: wgross@waterboards.ca.gov

Phone Number: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### FRESNO COUNTY YARD #5 (Continued)

S104867238

**EDR ID Number** 

LUST:

 Global Id:
 T0601900721

 Action Type:
 Other

 Date:
 11/05/1998

 Action:
 Leak Stopped

Global Id: T0601900721
Action Type: Other
Date: 11/13/1998
Action: Leak Discovery

 Global Id:
 T0601900721

 Action Type:
 ENFORCEMENT

 Date:
 12/07/2001

Action: Closure/No Further Action Letter

 Global Id:
 T0601900721

 Action Type:
 Other

 Date:
 02/17/2000

 Action:
 Leak Reported

LUST:

Global Id: T0601900721

Status: Completed - Case Closed

Status Date: 12/07/2001

Global Id: T0601900721

Status: Open - Case Begin Date

Status Date: 11/05/1998

Global Id: T0601900721

Status: Open - Site Assessment

Status Date: 02/17/2000

LUST REG 5:

Region: 5

Status: Case Closed Case Number: 5T10000742 Case Type: Soil only Substance: DIESEL Staff Initials: WWG Lead Agency: Local Program: LUST MTBE Code: 0

AST:

Certified Unified Program Agencies: Fresno

Owner: FRESNO, COUNTY OF

Total Gallons: 10,000
CERSID: Not reported
Facility ID: Not reported
Business Name: Not reported
Phone: Not reported
Fax: Not reported

Direction
Distance
Elevation

on Site Database(s) EPA ID Number

### FRESNO COUNTY YARD #5 (Continued)

S104867238

**EDR ID Number** 

Mailing Address: Not reported Not reported Mailing Address City: Mailing Address State: Not reported Mailing Address Zip Code: Not reported Operator Name: Not reported Operator Phone: Not reported Owner Phone: Not reported Owner Mail Address: Not reported Owner State: Not reported Owner Zip Code: Not reported Owner Country: Not reported Not reported Property Owner Name: Property Owner Phone: Not reported Property Owner Mailing Address: Not reported Property Owner City: Not reported Property Owner Stat: Not reported Property Owner Zip Code: Not reported Property Owner Country: Not reported EPAID: Not reported

SWEEPS UST:

Status: Active
Comp Number: 30552
Number: 9

Board Of Equalization: 44-004017
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: PUMP #46

SWRCB Tank Id: 10-000-030552-000001

Tank Status: A

 Capacity:
 10000

 Active Date:
 07-01-85

 Tank Use:
 M.V. FUEL

STG:

Content: REG UNLEADED

Number Of Tanks: 2

Status: Active
Comp Number: 30552
Number: 9

Board Of Equalization: 44-004017
Referral Date: 07-01-85
Action Date: Not reported
Created Date: 02-29-88
Owner Tank Id: PUMP #46

SWRCB Tank ld: 10-000-030552-000002

Tank Status: A
Capacity: 10000
Active Date: 07-01-85
Tank Use: M.V. FUEL
STG: P
Content: DIESEL

Content: DIESEL
Number Of Tanks: Not reported

HIST UST:

Direction
Distance

Elevation Site Database(s) EPA ID Number

### FRESNO COUNTY YARD #5 (Continued)

S104867238

**EDR ID Number** 

File Number: 0002412A

URL: http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0002412A.pdf

Not reported Region: Facility ID: Not reported Facility Type: Not reported Other Type: Not reported Contact Name: Not reported Telephone: Not reported Owner Name: Not reported Owner Address: Not reported Owner City, St, Zip: Not reported Total Tanks: Not reported

Tank Num: Not reported Container Num: Not reported Year Installed: Not reported Tank Capacity: Not reported Tank Used for: Not reported Type of Fuel: Not reported Container Construction Thickness: Not reported Leak Detection: Not reported

#### Click here for Geo Tracker PDF:

**CUPA FRESNO:** 

 Facility ID:
 FA0268337

 Cross Street:
 Not reported

 APM Number:
 12823042T

 CERS Id:
 10691419

 SWIS Number:
 10-AA-0211

 GIS Latitude:
 37.076577502

 GIS Longitude:
 -119.48569121

Program Element: UST REMOVAL/CLOSURE W/3 TANKS

 Facility ID:
 FA0268337

 Cross Street:
 Not reported

 APM Number:
 12823042T

 CERS Id:
 10691419

 SWIS Number:
 10-AA-0211

 GIS Latitude:
 37.076577502

 GIS Longitude:
 -119.48569121

Program Element: FORMER CONTAMINATED SITE/NO FURTHER ACTION

 Facility ID:
 FA0268337

 Cross Street:
 Not reported

 APM Number:
 12823042T

 CERS Id:
 10691419

 SWIS Number:
 10-AA-0211

 GIS Latitude:
 37.076577502

 GIS Longitude:
 -119.48569121

Program Element: AST STORAGE CAPACITY 10,000 TO 99,999 GAL

 Facility ID:
 FA0268337

 Cross Street:
 Not reported

 APM Number:
 12823042T

 CERS Id:
 10691419

 SWIS Number:
 10-AA-0211

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### FRESNO COUNTY YARD #5 (Continued)

S104867238

GIS Latitude: 37.076577502 GIS Longitude: -119.48569121

Program Element: AUTO REPAIR/MAINTENANCE MODEL PLAN

Facility ID: FA0268337 Cross Street: Not reported APM Number: 12823042T CERS Id: 10691419 SWIS Number: 10-AA-0211 GIS Latitude: 37.076577502 GIS Longitude: -119.48569121

Program Element: SOLID WASTE OPERATION-NOTIFICATION-QUARTERLY

Facility ID: FA0268337 Cross Street: Not reported APM Number: 12823042T CERS Id: 10691419 SWIS Number: 10-AA-0211 GIS Latitude: 37.076577502 GIS Longitude: -119.48569121

Program Element: HAZARDOUS WASTE GENERATOR (CESQG)

Facility ID: FA0268337 Cross Street: Not reported APM Number: 12823042T CERS Id: 10691419 SWIS Number: 10-AA-0211 GIS Latitude: 37.076577502 GIS Longitude: -119.48569121

Program Element: WASTE TIRE FACILITY

HIST CORTESE:

CORTESE Region: Facility County Code: 10 LTNKA Reg By: 5T10000742 Reg Id:

CERS TANKS:

Site ID: 219101 CERS ID: T0601900721

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Local Agency Caseworker

FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV - FRESNO COUNTY **Entity Name:** 

Entity Title: Not reported 1221 Fulton Street Affiliation Address:

Affiliation City: Fresno Affiliation State: CA Affiliation Country: Not reported Affiliation Zip: Not reported Affiliation Phone: Not reported

Affiliation Type Desc: Regional Board Caseworker

**Entity Name:** WARREN GROSS - CENTRAL VALLEY RWQCB (REGION 5F)

**Entity Title:** Not reported Affiliation Address: 1685 E STREET

Direction Distance

Distance Elevation Site EDR ID Number

EDR ID Number

EPA ID Number

FRESNO COUNTY YARD #5 (Continued)

S104867238

Affiliation City: FRESNO Affiliation State: CA

Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: Not reported

E20 PUBLIC WORKS DIVISION YARD (AR HIST UST U001587219

SE 33148 AUBERRY RD

N/A

< 1/8 AUBERRY, CA 93602

0.110 mi.

581 ft. Site 2 of 2 in cluster E

Relative: HIST UST: Lower File Num

Actual: 1970 ft.

File Number: Not reported URL: Not reported Region: STATE Facility ID: 0000030552 Facility Type: Other

Other Type: MAINTENANCE YARD

Contact Name: Not reported Telephone: 0000000000

Owner Name: FRESNO COUNTY GENERAL SERVICES

Owner Address: 4551 E. HAMILTON Owner City,St,Zip: FRESNO, CA 93702

Total Tanks: 0002

Tank Num: 001 **PUMP #46** Container Num: Year Installed: Not reported Tank Capacity: 00010000 Tank Used for: **PRODUCT** Type of Fuel: **UNLEADED** Container Construction Thickness: Not reported Leak Detection: None

Tank Num: 002
Container Num: PUMP #39
Year Installed: Not reported
Tank Capacity: 00010000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Container Construction Thickness: Not reported

Leak Detection: None

CHEVRON (RV JENSEN INC) LUST S106174894

SSE 33105 AUBERRY RD 1/8-1/4 AUBERRY, CA 93602

0.159 mi.

F21

841 ft. Site 1 of 2 in cluster F

Relative: LUST:

Lower Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)

Actual: Case Type: LUST Cleanup Site

**1968 ft.** Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0601991433

Global Id: T0601991433

N/A

**CUPA Listings** 

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Latitude: 37.0756166232759 Longitude: -119.485384225845

Status: Open - Verification Monitoring

Status Date: 06/16/2016
Case Worker: MLE
RB Case Number: 5T10000767
Local Agency: Not reported
File Location: Regional Board
Local Case Number: FA0168897

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Gasoline

Site History: The case was opened following an unauthorized release from an

underground storage tank system at the subject site. Corrective

action is underway as directed by the CVRWQCB. Corrective action may

consist of preliminary site investigation, planning and

implementation of remedial action, verification monitoring, or a combination thereof. A summary of the site history is available by clicking on either the "Cleanup Status History", "Regulatory Activities" or the "Site Maps/Documents" tab. For a complete site history the case file at the CVRWQCB should be consulted.

LUST:

Global Id: T0601991433

Contact Type: Regional Board Caseworker
Contact Name: MICHEALE EASLEY

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E Street City: FRESNO

Email: micheale.easley@waterboards.ca.gov

Phone Number: 5594884391

LUST:

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 05/23/2011

 Action:
 Correspondence

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 10/31/2011

Action: Remedial Progress Report

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 05/29/2001

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 04/05/2004

Action: \* Historical Enforcement

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 08/27/2003

 Action:
 Staff Letter

Direction Distance Elevation

levation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 07/23/2003

Action: \* Verbal Communication

Global Id: T0601991433
Action Type: RESPONSE
Date: 11/01/2015

Action: Remedial Progress Report

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 09/23/2008

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 12/27/2012

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 09/04/2003

Action: Site Visit / Inspection / Sampling

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 09/15/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 03/28/2003

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 08/20/2003

Action: Site Visit / Inspection / Sampling

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 05/13/2004

Action: \* Historical Enforcement

 Global Id:
 T0601991433

 Action Type:
 Other

 Date:
 03/01/2001

 Action:
 Leak Reported

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 06/03/2010

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Date: 09/21/2011

Action: Clean Up Fund - 5-Year Review Summary

Global Id: T0601991433
Action Type: RESPONSE
Date: 05/15/2003

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 05/13/2004
Action: Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 06/02/2003

Action: \* Historical Enforcement

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 08/14/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 07/01/2015

Action: Well Installation Report

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 05/09/2011

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 05/16/2003

Action: Preliminary Site Assessment Report

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 04/30/2003

Action: Corrective Action Plan / Remedial Action Plan

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 07/15/2009

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 11/01/2013

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 06/16/2016

 Action:
 Staff Letter

Direction Distance Elevation

vation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Global Id: T0601991433
Action Type: RESPONSE
Date: 12/15/2004

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 03/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 06/15/2005

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 09/15/2005

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 12/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 03/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 08/15/2006

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 11/07/2008

Action: Other Report / Document

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 08/01/2017

Action: Monitoring Report - Other

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 08/12/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 10/27/2008

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: ENFORCEMENT

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Date: 01/30/2003

Action: \* Historical Enforcement

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 05/02/2012

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 REMEDIATION

 Date:
 08/15/2003

 Action:
 Excavation

 Global Id:
 T0601991433

 Action Type:
 Other

 Date:
 01/26/2001

 Action:
 Leak Stopped

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 01/29/2015

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 02/01/2018

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 11/23/2010

Action: Clean Up Fund - Letter to RP

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 02/01/2011

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 07/31/2011

Action: Remedial Progress Report

Global Id: T0601991433
Action Type: RESPONSE
Date: 08/01/2011

Action: Monitoring Report - Semi-Annually

Global Id: T0601991433
Action Type: RESPONSE
Date: 11/01/2012

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 04/30/2009

Action: Monitoring Report - Quarterly

Direction Distance Elevation

levation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 09/06/2017

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 05/16/2011

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 08/01/2016

Action: Monitoring Report - Other

Global Id: T0601991433
Action Type: RESPONSE
Date: 07/06/2010

Action: Other Report / Document

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 12/06/2002

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 04/19/2004

Action: CAP/RAP - Other Report

Global Id: T0601991433
Action Type: RESPONSE
Date: 04/19/2004

Action: Other Report / Document

Global Id: T0601991433
Action Type: RESPONSE
Date: 11/15/2004

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 08/11/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 07/09/2004

Action: 13267 Requirement

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 03/19/2004

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE

Direction Distance Elevation

levation Site Database(s) EPA ID Number

## CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Date: 08/25/2003 Action: Other Workplan

Global Id: T0601991433
Action Type: RESPONSE
Date: 10/31/2003

Action: CAP/RAP - Other Report

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 03/28/2017

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 03/20/2018

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 07/09/2004

Action: \* Verbal Communication

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 07/23/2003

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 08/18/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 07/01/2004

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 01/31/2009

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 05/15/2005

Action: Monitoring Report - Quarterly

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 10/30/2003

Action: CAP/RAP - Other Report

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 11/01/2002

Action: Other Report / Document

Direction Distance

Elevation Site Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Global Id: T0601991433
Action Type: RESPONSE
Date: 06/15/2001

Action: Soil and Water Investigation Workplan

Global Id: T0601991433
Action Type: RESPONSE
Date: 11/29/2002

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 12/13/2002

Action: Corrective Action Plan / Remedial Action Plan

Global Id: T0601991433
Action Type: RESPONSE
Date: 03/07/2014

Action: Other Workplan - Regulator Responded

Global Id: T0601991433
Action Type: RESPONSE
Date: 11/15/2004

Action: Soil and Water Investigation Report

Global Id: T0601991433
Action Type: RESPONSE
Date: 08/08/2003

Action: Other Report / Document

Global Id: T0601991433
Action Type: RESPONSE
Date: 06/13/2004

Action: Other Report / Document

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 08/30/2004

Action: Soil and Water Investigation Report

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 03/04/2014

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 05/01/2015

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 04/30/2011

Action: Monitoring Report - Semi-Annually

Global Id: T0601991433
Action Type: ENFORCEMENT

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

#### CHEVRON (RV JENSEN INC) (Continued)

S106174894

Date: 10/14/2015 Staff Letter Action:

Global Id: T0601991433 Action Type: **RESPONSE** Date: 05/01/2013

Action: Monitoring Report - Quarterly

Global Id: T0601991433 Action Type: Other Date: 01/26/2001 Leak Discovery Action:

Global Id: T0601991433 Action Type: **ENFORCEMENT** Date: 12/10/2014 Action: Staff Letter

Global Id: T0601991433 **RESPONSE** Action Type: Date: 02/01/2017

Action: Monitoring Report - Quarterly

Global Id: T0601991433 Action Type: REMEDIATION Date: 11/05/2008

Action: In Situ Physical/Chemical Treatment (other than SVE)

Global Id: T0601991433 REMEDIATION Action Type: 11/05/2008 Date:

Action: Soil Vapor Extraction (SVE)

Global Id: T0601991433 **RESPONSE** Action Type: Date: 08/01/2011

Action: Corrective Action Plan / Remedial Action Plan - Addendum - Regulator Responded

T0601991433 Global Id: Action Type: **ENFORCEMENT** Date: 08/29/2017 Action: Staff Letter

Global Id: T0601991433 RESPONSE Action Type: Date: 03/01/2015

Action: Well Installation Workplan - Regulator Responded

Global Id: T0601991433 Action Type: **ENFORCEMENT** Date: 11/30/2002 Action: Staff Letter

Global Id: T0601991433 Action Type: RESPONSE 05/01/2014 Date:

Action: Monitoring Report - Quarterly

Direction
Distance

Elevation Site Database(s) EPA ID Number

# CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 05/15/2018

 Action:
 Request for Closure

Global Id: T0601991433

Action Type: ENFORCEMENT
Date: 05/05/2014
Action: Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 08/15/2005

Action: Monitoring Report - Quarterly

Global Id: T0601991433
Action Type: RESPONSE
Date: 02/15/2006

Action: Soil and Water Investigation Workplan

Global Id: T0601991433
Action Type: ENFORCEMENT
Date: 08/18/2010

Action: Notification - Public Participation Document

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 07/26/2011

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 02/01/2018

Action: Soil Vapor Intrusion Investigation Report

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 06/02/2011

 Action:
 Staff Letter

 Global Id:
 T0601991433

 Action Type:
 RESPONSE

 Date:
 02/15/2014

Action: Other Workplan - Regulator Responded

 Global Id:
 T0601991433

 Action Type:
 ENFORCEMENT

 Date:
 08/01/2013

 Action:
 Staff Letter

Global Id: T0601991433
Action Type: RESPONSE
Date: 01/31/2003

Action: Monitoring Report - Quarterly

Global Id: T0601991433 Action Type: RESPONSE

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

Date: 12/13/2002

Corrective Action Plan / Remedial Action Plan Action:

Global Id: T0601991433 Action Type: **RESPONSE** 02/28/2003 Date: Action: Other Workplan

Global Id: T0601991433 Action Type: **ENFORCEMENT** Date: 07/26/2002

Action: Site Visit / Inspection / Sampling

Global Id: T0601991433 Action Type: **ENFORCEMENT** Date: 12/03/2003

Site Visit / Inspection / Sampling Action:

Global Id: T0601991433 **ENFORCEMENT** Action Type: Date: 03/24/2006

Action: Technical Correspondence / Assistance / Other

Global Id: T0601991433 Action Type: **RESPONSE** Date: 02/01/2017

Action: Soil Vapor Intrusion Investigation Report

Global Id: T0601991433 **ENFORCEMENT** Action Type: Date: 11/07/2006 Action: Meeting

Global Id: T0601991433 **ENFORCEMENT** Action Type: 07/18/2006 Date:

Action: Technical Correspondence / Assistance / Other

T0601991433 Global Id: Action Type: **ENFORCEMENT** Date: 01/22/2006 Action: Staff Letter

Global Id: T0601991433 Action Type: **ENFORCEMENT** 10/13/2004 Date: Action: Staff Letter

Global Id: T0601991433 Action Type: **ENFORCEMENT** Date: 07/29/2015 Action: Staff Letter

Global Id: T0601991433 Action Type: RESPONSE 11/27/2006 Date:

Action: CAP/RAP - Final Remediation / Design Plan - Regulator Responded

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

T0601991433 Global Id: RESPONSE Action Type: 11/01/2014 Date:

Action: Monitoring Report - Quarterly

Global Id: T0601991433 **RESPONSE** Action Type: Date: 07/06/2010

Action: Other Report / Document

T0601991433 Global Id: **RESPONSE** Action Type: Date: 11/15/2003

Action: Monitoring Report - Quarterly

Global Id: T0601991433 **RESPONSE** Action Type: 12/15/2004 Date:

Action: Monitoring Report - Quarterly

Global Id: T0601991433 **RESPONSE** Action Type: Date: 06/30/2009

Action: Remedial Progress Report

T0601991433 Global Id: Action Type: REMEDIATION Date: 12/05/2008

Action: Soil Vapor Extraction (SVE)

Global Id: T0601991433 Action Type: **RESPONSE** Date: 09/30/2009

Action: Remedial Progress Report

Global Id: T0601991433 Action Type: **RESPONSE** Date: 03/31/2010

Action: Remedial Progress Report

T0601991433 Global Id: Action Type: **RESPONSE** Date: 01/20/2015

Action: Site Investigation Workplan - Regulator Responded

Global Id: T0601991433 Action Type: **ENFORCEMENT** Date: 01/09/2014 Action: Staff Letter

LUST:

T0601991433 Global Id:

Open - Case Begin Date Status:

01/26/2001 Status Date:

Global Id: T0601991433 Status: Open - Remediation

MAP FINDINGS Map ID Direction

Distance

Elevation Site Database(s) **EPA ID Number** 

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

**EDR ID Number** 

Status Date: 01/03/2003

T0601991433 Global Id: Status: Open - Remediation 03/28/2003 Status Date:

Global Id: T0601991433 Status: Open - Remediation Status Date: 07/15/2003

T0601991433 Global Id: Open - Remediation Status:

11/20/2003 Status Date:

T0601991433 Global Id: Status: Open - Remediation

04/13/2004 Status Date:

Global Id: T0601991433

Status: Open - Site Assessment

Status Date: 01/26/2001

Global Id: T0601991433

Status: Open - Site Assessment

07/02/2001 Status Date:

Global Id: T0601991433

Status: Open - Site Assessment

10/19/2001 Status Date:

Global Id: T0601991433

Status: Open - Site Assessment

Status Date: 08/12/2003

Global Id: T0601991433

Open - Verification Monitoring Status:

Status Date: 11/20/2003

Global Id: T0601991433

Status: Open - Verification Monitoring

Status Date: 06/16/2016

**CUPA FRESNO:** 

Facility ID: FA0168897 Cross Street: Not reported APM Number: 12857009S CERS Id: Not reported SWIS Number: Not reported GIS Latitude: 37.075908884 GIS Longitude: -119.48664129

Program Element: UST REMOVAL/CLOSURE W/4 TANKS

Facility ID: FA0168897 Cross Street: Not reported APM Number: 12857009S CERS Id: Not reported

Direction Distance

Distance Elevation Site EDR ID Number Database(s) EPA ID Number

### CHEVRON (RV JENSEN INC) (Continued)

S106174894

SWIS Number: Not reported GIS Latitude: 37.075908884 GIS Longitude: -119.48664129

Program Element: HAZ MAT DISCLOSURE/CLOSED SITE

Facility ID: FA0168897
Cross Street: Not reported
APM Number: 12857009S
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: 37.075908844
GIS Longitude: -119.48664129

Program Element: CONTAMINATED UST SITE/RWQCB LEAD AGENCY

F22 CHEVRON (RV JENSEN INC) LUST \$105003982 SSE 33105 AUBERRY RD CERS N/A

1/8-1/4 AUBERRY, CA 93602

0.159 mi.

841 ft. Site 2 of 2 in cluster F

Relative: LUST REG 5: Lower Region:

Actual: Status: Remedial action (cleanup) Underway

**1968 ft.** Case Number: 5T10000767

Case Type: Drinking Water Aquifer affected

Substance: GASOLINE
Staff Initials: WWG
Lead Agency: Regional
Program: LUST
MTBE Code: 8

CERS TANKS:

Site ID: 214214 CERS ID: T0601991433

CERS Description: Leaking Underground Storage Tank Cleanup Site

Affiliation:

Affiliation Type Desc: Regional Board Caseworker

Entity Name: MICHEALE EASLEY - 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 Country: Not reported Affiliation Zip: Not reported Affiliation Phone: 5594884391

Direction Distance

Distance EDR ID Number

Elevation Site EDA ID Number

23 UNION BANK CUPA Listings S104867235 South 33049 AUBERRY RD N/A

South 33049 AUBERRY RD 1/8-1/4 AUBERRY, CA 93602

0.242 mi. 1277 ft.

Relative: CUPA FRESNO:

 Higher
 Facility ID:
 FA0271513

 Actual:
 Cross Street:
 Not reported

 2006 ft.
 APM Number:
 12858008

 CERS Id:
 Not reported

SWIS Number: Not reported SWIS Number: Not reported GIS Latitude: 37.074706548 GIS Longitude: -119.48784529

Program Element: HAZ MAT DISCLOSURE-BELOW REPORTING QUANTITY

\_\_\_\_\_

10240004

24 SEQUOIA FOREST INDUSTRIES ENVIROSTOR S104867233
South 32180 AUBERRY RD LUST N/A

 South
 32180 AUBERRY RD
 LUST

 1/2-1
 AUBERRY, CA 93602
 CHMIRS

 0.868 mi.
 CUPA Listings

0.868 mi. 4583 ft.

Relative: ENVIROSTOR: Lower Facility ID:

Actual: Status: Refer: Other Agency

**1945 ft.** Status Date: 11/04/1994

Site Code: Not reported
Site Type: Historical
Site Type Detailed: \* Historical
Acres: Not reported

NPL: NO

Regulatory Agencies: NONE SPECIFIED NONE SPECIFIED NONE SPECIFIED Not reported

Supervisor: Referred - Not Assigned Division Branch: Cleanup Sacramento

Assembly: 23 Senate: 08

Special Program: Not reported

Restricted Use: NO

Site Mgmt Req: NONE SPECIFIED Funding: Not reported Attitude: 37.06305 Longitude: -119.4947

APN: NONE SPECIFIED
Past Use: NONE SPECIFIED
Potential COC: NONE SPECIFIED
Confirmed COC: NONE SPECIFIED
Potential Description: NONE SPECIFIED

Alias Name: DINUBA TIMBER INDUSTRIES

Alias Type: Alternate Name
Alias Name: 110001164427
Alias Type: EPA (FRS #)
Alias Name: 10240004

Alias Type: Envirostor ID Number

Completed Info:

Completed Area Name: PROJECT WIDE Completed Sub Area Name: Not reported

Completed Document Type: Preliminary Assessment Report

Direction Distance

Elevation Site Database(s) EPA ID Number

#### **SEQUOIA FOREST INDUSTRIES (Continued)**

S104867233

**EDR ID Number** 

Completed Date: 01/31/1988

Comments: Preliminary Assessment Done. No documentation of contamination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: \* Discovery
Completed Date: 03/05/1982

Comments: Facility identified from phonebook.

Future Area Name: Not reported Future Sub Area Name: Not reported Not reported Future Document Type: Not reported Future Due Date: Schedule Area Name: Not reported Not reported Schedule Sub Area Name: Schedule Document Type: Not reported Schedule Due Date: Not reported Schedule Revised Date: Not reported

LUST:

Lead Agency: CENTRAL VALLEY RWQCB (REGION 5F)

Case Type: LUST Cleanup Site

Geo Track: http://geotracker.waterboards.ca.gov/profile\_report.asp?global\_id=T0601900633

 Global Id:
 T0601900633

 Latitude:
 37.0653697299901

 Longitude:
 -119.490678906441

 Status:
 Completed - Case Closed

Status Date: 09/16/2003
Case Worker: WWG
RB Case Number: 5T10000654
Local Agency: FRESNO COUNTY
File Location: Not reported
Local Case Number: FA0004726

Potential Media Affect: Aquifer used for drinking water supply

Potential Contaminants of Concern: Diesel
Site History: Not reported

LUST:

Global Id: T0601900633

Contact Type: Local Agency Caseworker

Contact Name: FRESNO COUNTY DPH, ENVIRONMENTAL HEALTH DIV

Organization Name: FRESNO COUNTY Address: 1221 Fulton Street

City: Fresno

Email: environmentalhealth@fresnocountyca.gov

Phone Number: Not reported

Global Id: T0601900633

Contact Type: Regional Board Caseworker

Contact Name: WARREN GROSS

Organization Name: CENTRAL VALLEY RWQCB (REGION 5F)

Address: 1685 E STREET City: FRESNO

Email: wgross@waterboards.ca.gov

Phone Number: Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

### **SEQUOIA FOREST INDUSTRIES (Continued)**

S104867233

**EDR ID Number** 

LUST:

Global Id: T0601900633
Action Type: REMEDIATION
Date: 10/01/2000
Action: Excavation

Global Id: T0601900633
Action Type: ENFORCEMENT
Date: 05/12/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601900633

 Action Type:
 ENFORCEMENT

 Date:
 07/21/2003

Action: \* Historical Enforcement

 Global Id:
 T0601900633

 Action Type:
 ENFORCEMENT

 Date:
 09/10/2003

Action: \* Verbal Communication

Global Id: T0601900633
Action Type: RESPONSE
Date: 02/15/2002

Action: Sensitive Receptor Survey Report

Global Id: T0601900633
Action Type: RESPONSE
Date: 04/28/2003

Action: Monitoring Report - Quarterly

Global Id: T0601900633
Action Type: ENFORCEMENT
Date: 09/16/2003

Action: Closure/No Further Action Letter

Global Id: T0601900633
Action Type: ENFORCEMENT
Date: 05/19/2003

Action: Site Visit / Inspection / Sampling

 Global Id:
 T0601900633

 Action Type:
 ENFORCEMENT

 Date:
 08/11/2003

 Action:
 Staff Letter

 Global Id:
 T0601900633

 Action Type:
 ENFORCEMENT

 Date:
 08/01/2003

 Action:
 Staff Letter

 Global Id:
 T0601900633

 Action Type:
 ENFORCEMENT

 Date:
 12/27/2001

 Action:
 Staff Letter

Global Id: T0601900633

Direction Distance

**EDR ID Number** Elevation Site Database(s) **EPA ID Number** 

### **SEQUOIA FOREST INDUSTRIES (Continued)**

S104867233

Action Type: Other 12/01/1996 Date: Action: Leak Stopped

T0601900633 Global Id: Action Type: Other 01/09/1998 Date: Action: Leak Discovery

Global Id: T0601900633 Action Type: **RESPONSE** Date: 11/11/2003 Action: Unknown

T0601900633 Global Id: Action Type: **ENFORCEMENT** 06/27/2003 Date:

Site Visit / Inspection / Sampling Action:

Global Id: T0601900633 Action Type: **RESPONSE** Date: 08/21/2003

Action: Other Report / Document

T0601900633 Global Id: Action Type: **ENFORCEMENT** Date: 06/06/2002

Action: Site Visit / Inspection / Sampling

Global Id: T0601900633 Action Type: **ENFORCEMENT** Date: 04/30/2003 Action: Staff Letter

T0601900633 Global Id: **RESPONSE** Action Type: Date: 07/28/2003

Action: Monitoring Report - Quarterly

T0601900633 Global Id: **ENFORCEMENT** Action Type: Date: 04/03/2003 Action: Staff Letter

Global Id: T0601900633 Other Action Type: Date: 01/12/1998 Action: Leak Reported

LUST:

Global Id: T0601900633

Status: Completed - Case Closed

Status Date: 09/16/2003

Global Id: T0601900633

Status: Open - Case Begin Date

12/01/1996 Status Date:

Direction Distance Elevation

tion Site Database(s) EPA ID Number

1-4845

### **SEQUOIA FOREST INDUSTRIES (Continued)**

S104867233

**EDR ID Number** 

Global Id: T0601900633
Status: Open - Remediation

Status Date: 01/03/2000

Global Id: T0601900633
Status: Open - Remediation

Status Date: 10/30/2000

Global Id: T0601900633

Status: Open - Site Assessment

Status Date: 08/01/1998

Global Id: T0601900633

Status: Open - Site Assessment

Status Date: 12/01/1998

Global Id: T0601900633

Status: Open - Verification Monitoring

Status Date: 01/02/2001

#### CHMIRS:

**OES Incident Number:** 

OES notification: 08/15/2011 OES Date: Not reported **OES Time:** Not reported **Date Completed:** Not reported Property Use: Not reported Agency Id Number: Not reported Agency Incident Number: Not reported Time Notified: Not reported Time Completed: Not reported Surrounding Area: Not reported Not reported **Estimated Temperature:** Property Management: Not reported More Than Two Substances Involved?: Not reported Resp Agncy Personel # Of Decontaminated: Not reported Responding Agency Personel # Of Injuries: Not reported Responding Agency Personel # Of Fatalities: Not reported Others Number Of Decontaminated: Not reported Others Number Of Injuries: Not reported Others Number Of Fatalities: Not reported Vehicle Make/year: Not reported Vehicle License Number: Not reported Vehicle State: Not reported Vehicle Id Number: Not reported CA DOT PUC/ICC Number: Not reported Company Name: Not reported Reporting Officer Name/ID: Not reported Report Date: Not reported Facility Telephone: Not reported Waterway Involved: No

Waterway:

Not reported
Spill Site:

Cleanup By:

Containment:

What Happened:

Not reported
Not reported
Not reported
Not reported

Direction Distance

Elevation Site Database(s) EPA ID Number

Not reported

### **SEQUOIA FOREST INDUSTRIES (Continued)**

S104867233

**EDR ID Number** 

Type: Not reported Measure: Unknown Other: Not reported Date/Time: 1020 Year: 2011 Agency: NRC Incident Date: 8/12/2011

Admin Agency: Fresno County Health Department

Amount: Not reported
Contained: Unknown
Site Type: Not reported
E Date: Not reported
Substance: Unknown Oil
Quantity Released: Unk
Unknown: Not reported

Substance #3: Not reported Evacuations: Not reported Number of Injuries: Not reported Number of Fatalities: Not reported #1 Pipeline: Not reported #2 Pipeline: Not reported Not reported #3 Pipeline: #1 Vessel >= 300 Tons: Not reported #2 Vessel >= 300 Tons: Not reported #3 Vessel >= 300 Tons: Not reported Evacs: Not reported Injuries: Not reported Fatals: Not reported

Description: per NRC report #986028 "Caller is reporting a release of an unknown oil from three transformers

due to valve being opened. Unknown if the material contained PCB's." Remedial actions:

"None."

Not reported

CUPA FRESNO:

Comments:

Substance #2:

Facility ID: FA0004726
Cross Street: Not reported
APM Number: 12845058
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: 37.065777091
GIS Longitude: -119.49011035

Program Element: UST REMOVAL/CLOSURE W/1 TANK

Facility ID: FA0004726
Cross Street: Not reported
APM Number: 12845058
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: 37.065777091
GIS Longitude: -119.49011035

Program Element: HAZ MAT DISCLOSURE/CLOSED SITE

Facility ID: FA0004726 Cross Street: Not reported Map ID MAP FINDINGS Direction

Distance

Elevation Site Database(s) EPA ID Number

# **SEQUOIA FOREST INDUSTRIES (Continued)**

S104867233

**EDR ID Number** 

APM Number: 12845058
CERS Id: Not reported
SWIS Number: Not reported
GIS Latitude: 37.065777091
GIS Longitude: -119.49011035

Program Element: FORMER CONTAMINATED SITE/NO FURTHER ACTION

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

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: 08/13/2018 Source: EPA
Date Data Arrived at EDR: 10/04/2018 Telephone: N/A

Number of Days to Update: 36 Next Scheduled EDR Contact: 01/14/2019
Data Release Frequency: Quarterly

**NPL Site Boundaries** 

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 08/13/2018 Source: EPA
Date Data Arrived at EDR: 10/04/2018 Telephone: N/A
Date Made Active in Proports: 11/09/2018

Number of Days to Update: 36 Nex

Next Scheduled EDR Contact: 01/14/2019 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: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 36

Source: EPA Telephone: N/A

Last EDR Contact: 11/27/2018

Next Scheduled EDR Contact: 01/14/2019 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: 11/07/2016 Date Data Arrived at EDR: 01/05/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 92

Source: Environmental Protection Agency Telephone: 703-603-8704

Last EDR Contact: 07/06/2018

Next Scheduled EDR Contact: 10/15/2018 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 know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: EPA Telephone: 800-424-9346

Last EDR Contact: 11/27/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Quarterly

#### Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 11/28/2018

Next Scheduled EDR Contact: 01/28/2019 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: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 01/07/2019 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: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 01/07/2019 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: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

### RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 01/07/2019
Data Release Frequency: Quarterly

### RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 01/07/2019 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: 05/14/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 02/25/2019 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: 07/31/2018 Date Data Arrived at EDR: 08/28/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 17

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/28/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 07/31/2018 Date Data Arrived at EDR: 08/28/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 17

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/28/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Varies

TC5502634.2s Page GR-4

#### Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 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: 07/30/2018 Date Data Arrived at EDR: 07/31/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/30/2018

Next Scheduled EDR Contact: 02/11/2019 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 identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 07/30/2018 Date Data Arrived at EDR: 07/31/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/30/2018

Next Scheduled EDR Contact: 02/11/2019 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: 08/08/2018 Date Data Arrived at EDR: 08/10/2018 Date Made Active in Reports: 08/24/2018

Number of Days to Update: 14

Source: Department of Resources Recycling and Recovery

Telephone: 916-341-6320 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Quarterly

### State and tribal leaking storage tank lists

LUST REG 1: Active Toxic Site Investigation

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

Date of Government Version: 02/01/2001 Date Data Arrived at EDR: 02/28/2001 Date Made Active in Reports: 03/29/2001

Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)

Telephone: 707-570-3769 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 02/26/2004 Date Data Arrived at EDR: 02/26/2004 Date Made Active in Reports: 03/24/2004

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)

Telephone: 760-776-8943 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/08/2018

Number of Days to Update: 26

Source: State Water Resources Control Board

Telephone: see region list Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources

Control Board's LUST database.

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

Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-637-5595 Last EDR Contact: 09/26/2011

Next Scheduled EDR Contact: 01/09/2012 Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 06/07/2005 Date Data Arrived at EDR: 06/07/2005 Date Made Active in Reports: 06/29/2005

Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)

Telephone: 760-241-7365 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003 Date Data Arrived at EDR: 09/10/2003 Date Made Active in Reports: 10/07/2003

Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)

Telephone: 530-542-5572 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

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

Date of Government Version: 07/01/2008 Date Data Arrived at EDR: 07/22/2008 Date Made Active in Reports: 07/31/2008

Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-4834 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011 Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

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

Clara, Solano, Sonoma counties.

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

Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-622-2433 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

LUST REG 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 8: Leaking Underground Storage Tanks

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

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

Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)

Telephone: 909-782-4496 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Varies

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

Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/10/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board Telephone: 866-480-1028

Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018

Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003 Date Data Arrived at EDR: 04/07/2003 Date Made Active in Reports: 04/25/2003

Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)

Telephone: 707-576-2220 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)

Telephone: 510-286-0457 Last EDR Contact: 09/19/2011

Next Scheduled EDR Contact: 01/02/2012 Data Release Frequency: Quarterly

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006 Date Data Arrived at EDR: 05/18/2006 Date Made Active in Reports: 06/15/2006

Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)

Telephone: 805-549-3147 Last EDR Contact: 07/18/2011

Next Scheduled EDR Contact: 10/31/2011 Data Release Frequency: Semi-Annually

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)

Telephone: 213-576-6600 Last EDR Contact: 07/01/2011

Next Scheduled EDR Contact: 10/17/2011

Data Release Frequency: Varies

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005 Date Data Arrived at EDR: 04/05/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)

Telephone: 916-464-3291 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch

Telephone: 619-241-6583 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004 Date Data Arrived at EDR: 09/07/2004 Date Made Active in Reports: 10/12/2004

Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region

Telephone: 530-542-5574 Last EDR Contact: 08/15/2011

Next Scheduled EDR Contact: 11/28/2011 Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

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

Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region

Telephone: 760-346-7491 Last EDR Contact: 08/01/2011

Next Scheduled EDR Contact: 11/14/2011 Data Release Frequency: No Update Planned

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008 Date Data Arrived at EDR: 04/03/2008 Date Made Active in Reports: 04/14/2008

Number of Days to Update: 11

Source: California Region Water Quality Control Board Santa Ana Region (8)

Telephone: 951-782-3298 Last EDR Contact: 09/12/2011

Next Scheduled EDR Contact: 12/26/2011 Data Release Frequency: Semi-Annually

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

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality

from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007 Date Data Arrived at EDR: 09/11/2007 Date Made Active in Reports: 09/28/2007

Number of Days to Update: 17

Source: California Regional Water Quality Control Board San Diego Region (9)

Telephone: 858-467-2980 Last EDR Contact: 08/08/2011

Next Scheduled EDR Contact: 11/21/2011 Data Release Frequency: Annually

### 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: 05/15/2017 Date Data Arrived at EDR: 05/30/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 136

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 10/10/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Varies

UST: Active UST Facilities

Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 21

Source: SWRCB Telephone: 916-341-5851 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 21

Source: State Water Resources Control Board

Telephone: 916-327-7844 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016 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: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Quarterly

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: 05/08/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/10/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/12/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/13/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/24/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/01/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 04/25/2018 Date Data Arrived at EDR: 05/18/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 63

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Properties

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

Date of Government Version: 07/30/2018 Date Data Arrived at EDR: 07/31/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/30/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Varies

#### State and tribal Brownfields sites

BROWNFIELDS: Considered Brownfieds Sites Listing

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

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 20

Source: State Water Resources Control Board

Telephone: 916-323-7905 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 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: 09/18/2018 Date Data Arrived at EDR: 09/18/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 202-566-2777 Last EDR Contact: 09/18/2018

Next Scheduled EDR Contact: 12/31/2018 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.

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: 10/25/2018

Next Scheduled EDR Contact: 02/11/2019
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing A listing of registered waste tire haulers.

Date of Government Version: 09/26/2018 Date Data Arrived at EDR: 09/28/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 34

Source: Integrated Waste Management Board

Telephone: 916-341-6422 Last EDR Contact: 08/07/2018

Next Scheduled EDR Contact: 02/25/2019 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: 10/25/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

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

Number of Days to Update: 137

Source: EPA, Region 9 Telephone: 415-947-4219 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

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

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

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

Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service

Telephone: 301-443-1452 Last EDR Contact: 11/02/2018

Next Scheduled EDR Contact: 02/11/2019

Data Release Frequency: Varies

#### Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 09/21/2018 Date Data Arrived at EDR: 09/21/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 49

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019
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 Date Data Arrived at EDR: 08/03/2006 Date Made Active in Reports: 08/24/2006

Number of Days to Update: 21

Source: Department of Toxic Substance Control

Telephone: 916-323-3400 Last EDR Contact: 02/23/2009

Next Scheduled EDR Contact: 05/25/2009 Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

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

Date of Government Version: 07/30/2018 Date Data Arrived at EDR: 07/31/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 10/30/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

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

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/12/2018 Date Made Active in Reports: 08/06/2018

Number of Days to Update: 55

Source: Department of Toxic Substances Control

Telephone: 916-255-6504 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 01/21/2019 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 Date Data Arrived at EDR: 08/30/1995 Date Made Active in Reports: 09/26/1995

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-227-4364 Last EDR Contact: 01/26/2009

Next Scheduled EDR Contact: 04/27/2009 Data Release Frequency: No Update Planned

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.

Date of Government Version: 10/22/2018 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 38

Source: CalEPA

Telephone: 916-323-2514 Last EDR Contact: 10/23/2018

Next Scheduled EDR Contact: 02/04/2019 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: 09/21/2018 Date Data Arrived at EDR: 09/21/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 49

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Quarterly

### Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

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

Date of Government Version: 06/01/1994 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: 03/28/2018 Date Data Arrived at EDR: 05/25/2018 Date Made Active in Reports: 07/10/2018

Number of Days to Update: 46

Source: Department of Public Health Telephone: 707-463-4466 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019 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

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 09/11/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/11/2018

Number of Days to Update: 29

Source: San Francisco County Department of Public Health

Telephone: 415-252-3896 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019

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: 10/22/2018 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 38

Source: California Environmental Protection Agency

Telephone: 916-323-2514 Last EDR Contact: 10/23/2018

Next Scheduled EDR Contact: 02/04/2019 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: 08/29/2018 Date Data Arrived at EDR: 08/30/2018 Date Made Active in Reports: 10/01/2018

Number of Days to Update: 32

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019

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: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 11/27/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Semi-Annually

### **DEED: Deed Restriction Listing**

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

Date of Government Version: 09/04/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 10/02/2018

Number of Days to Update: 27

Source: DTSC and SWRCB Telephone: 916-323-3400 Last EDR Contact: 12/05/2018

Next Scheduled EDR Contact: 03/18/2019 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: 03/26/2018 Date Data Arrived at EDR: 03/27/2018 Date Made Active in Reports: 06/08/2018

Number of Days to Update: 73

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 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: 04/06/2018 Date Data Arrived at EDR: 04/24/2018 Date Made Active in Reports: 06/14/2018

Number of Days to Update: 51

Source: Office of Emergency Services

Telephone: 916-845-8400 Last EDR Contact: 07/27/2018

Next Scheduled EDR Contact: 11/05/2018 Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/08/2018

Number of Days to Update: 26

Source: State Water Quality Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 06/06/2012 Date Data Arrived at EDR: 01/03/2013 Date Made Active in Reports: 02/22/2013

Number of Days to Update: 50

Source: FirstSearch Telephone: N/A

Last EDR Contact: 01/03/2013 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: 03/01/2018 Date Data Arrived at EDR: 03/28/2018 Date Made Active in Reports: 06/22/2018

Number of Days to Update: 86

Source: Environmental Protection Agency

Telephone: (415) 495-8895 Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 01/07/2019 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: 01/31/2015 Date Data Arrived at EDR: 07/08/2015 Date Made Active in Reports: 10/13/2015

Number of Days to Update: 97

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 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 Date Data Arrived at EDR: 11/10/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 62

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 10/12/2018

Next Scheduled EDR Contact: 01/21/2019 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: 12/31/2005 Date Data Arrived at EDR: 02/06/2006 Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 10/12/2018

Next Scheduled EDR Contact: 01/21/2019

Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017 Date Data Arrived at EDR: 02/03/2017 Date Made Active in Reports: 04/07/2017

Number of Days to Update: 63

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 02/25/2019 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: 08/31/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 45

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

#### EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013 Date Data Arrived at EDR: 03/21/2014 Date Made Active in Reports: 06/17/2014

Number of Days to Update: 88

Source: Environmental Protection Agency

Telephone: 617-520-3000 Last EDR Contact: 11/05/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

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

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 05/08/2018 Date Made Active in Reports: 07/20/2018

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/09/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Varies

#### TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 06/21/2017 Date Made Active in Reports: 01/05/2018

Number of Days to Update: 198

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 09/21/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Every 4 Years

### TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2016 Date Data Arrived at EDR: 01/10/2018 Date Made Active in Reports: 01/12/2018

Number of Days to Update: 2

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 03/04/2019 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: 12/31/2009 Date Data Arrived at EDR: 12/10/2010 Date Made Active in Reports: 02/25/2011

Number of Days to Update: 77

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 10/24/2018

Next Scheduled EDR Contact: 02/04/2019 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: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 11/27/2018

Next Scheduled EDR Contact: 03/18/2019 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: 08/01/2018 Date Data Arrived at EDR: 08/22/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 44

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 10/23/2018

Next Scheduled EDR Contact: 02/04/2019 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

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 36

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 10/04/2018

Next Scheduled EDR Contact: 02/18/2019 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: 06/01/2017 Date Data Arrived at EDR: 06/09/2017 Date Made Active in Reports: 10/13/2017

Number of Days to Update: 126

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 10/11/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

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

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 10/09/2018

Next Scheduled EDR Contact: 01/21/2019 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 Date Data Arrived at EDR: 04/16/2009 Date Made Active in Reports: 05/11/2009

Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

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

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

Number of Days to Update: 25

Source: EPA Telephone: 202-566-1667 Last EDR Contact: 08/18/2017

Next Scheduled EDR Contact: 12/04/2017 Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

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

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

Number of Days to Update: 43

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169 Last EDR Contact: 10/11/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005 Date Data Arrived at EDR: 08/07/2009 Date Made Active in Reports: 10/22/2009

Number of Days to Update: 76

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 12/05/2018

Next Scheduled EDR Contact: 03/18/2019 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: 07/01/2014 Date Data Arrived at EDR: 09/10/2014 Date Made Active in Reports: 10/20/2014

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 12/03/2018

Next Scheduled EDR Contact: 03/18/2019

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: 05/24/2017 Date Data Arrived at EDR: 11/30/2017 Date Made Active in Reports: 12/15/2017

Number of Days to Update: 15

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 10/26/2018

Next Scheduled EDR Contact: 02/04/2019 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: 10/02/2018 Date Data Arrived at EDR: 10/03/2018 Date Made Active in Reports: 11/09/2018

Number of Days to Update: 37

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 10/03/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2007

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 40

Source: Environmental Protection Agency

Telephone: 202-564-2501 Last EDR Contact: 12/17/2008

Next Scheduled EDR Contact: 03/17/2008 Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

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

Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 10/30/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 06/30/2018 Date Data Arrived at EDR: 07/17/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 80

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 10/01/2018

Next Scheduled EDR Contact: 12/31/2018 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: 11/21/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Biennially

### INDIAN RESERV: Indian Reservations

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

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

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 10/09/2018

Next Scheduled EDR Contact: 01/21/2019 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: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Varies

### UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 06/23/2017 Date Data Arrived at EDR: 10/11/2017 Date Made Active in Reports: 11/03/2017

Number of Days to Update: 23

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

### LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 08/13/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 43

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 11/27/2018

Next Scheduled EDR Contact: 01/14/2019 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 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

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

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

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

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

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

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

Number of Days to Update: 100

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 08/01/2018 Date Data Arrived at EDR: 08/29/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 37

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 11/30/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Number of Days to Update: 49

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 11/30/2018

Next Scheduled EDR Contact: 03/11/2019 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: 11/30/2018

Next Scheduled EDR Contact: 03/11/2019 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: 09/10/2018 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 Interior Telephone: 202-208-2609 Last EDR Contact: 09/10/2018

Next Scheduled EDR Contact: 12/24/2018 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: 08/07/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 30

Source: EPA

Telephone: (415) 947-8000 Last EDR Contact: 12/05/2018

Next Scheduled EDR Contact: 03/18/2019 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 Date Data Arrived at EDR: 07/26/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 71

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 11/30/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Varies

### UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2017 Date Data Arrived at EDR: 06/19/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 87

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Varies

### ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 09/02/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 09/14/2018

Number of Days to Update: 9

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 12/31/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Quarterly

### FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 08/22/2018 Date Data Arrived at EDR: 08/22/2018 Date Made Active in Reports: 10/05/2018

Number of Days to Update: 44

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 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 Date Data Arrived at EDR: 07/27/1994 Date Made Active in Reports: 08/02/1994

Number of Days to Update: 6

Source: Department of Health Services

Telephone: 916-255-2118 Last EDR Contact: 05/31/1994 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste

Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 10/16/2018

Number of Days to Update: 21

Source: CAL EPA/Office of Emergency Information

Telephone: 916-323-3400 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 09/11/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 09/19/2018

Number of Days to Update: 7

Source: San Francisco County Department of Environmental Health

Telephone: 415-252-3896 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Varies

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

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

Date of Government Version: 08/28/2018 Date Data Arrived at EDR: 08/30/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 63

Source: Livermore-Pleasanton Fire Department

Telephone: 925-454-2361 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 02/25/2019 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: 10/15/2018 Date Data Arrived at EDR: 10/16/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 31

Source: Antelope Valley Air Quality Management District

Telephone: 661-723-8070 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019

Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

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

Date of Government Version: 08/30/2018 Date Data Arrived at EDR: 09/27/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 35

Source: Department of Toxic Substance Control

Telephone: 916-327-4498 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Annually

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: 10/04/2018 Date Data Arrived at EDR: 10/05/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 27

Source: South Coast Air Quality Management District

Telephone: 909-396-3211 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Varies

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: 06/20/2018 Date Made Active in Reports: 08/06/2018

Number of Days to Update: 47

Source: California Air Resources Board

Telephone: 916-322-2990 Last EDR Contact: 09/21/2018

Next Scheduled EDR Contact: 12/31/2018 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: 08/01/2018 Date Data Arrived at EDR: 08/02/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 36

Source: State Water Resoruces Control Board

Telephone: 916-445-9379 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/19/2018 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 38

Source: Department of Toxic Substances Control

Telephone: 916-255-3628 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 08/14/2018 Date Data Arrived at EDR: 08/16/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 25

Source: California Integrated Waste Management Board

Telephone: 916-341-6066 Last EDR Contact: 11/07/2018

Next Scheduled EDR Contact: 02/25/2019 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: 12/31/2017 Date Data Arrived at EDR: 10/10/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 37

Source: California Environmental Protection Agency

Telephone: 916-255-1136 Last EDR Contact: 10/10/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Annually

ICE: ICE

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

Date of Government Version: 08/20/2018 Date Data Arrived at EDR: 08/21/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 20

Source: Department of Toxic Subsances Control

Telephone: 877-786-9427 Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

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

state agency.

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

Number of Days to Update: 76

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 01/22/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

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

Date of Government Version: 08/20/2018 Date Data Arrived at EDR: 08/21/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 20

Source: Department of Toxic Substances Control

Telephone: 916-323-3400 Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 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: 10/09/2018 Date Data Arrived at EDR: 10/10/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 37

Source: Department of Toxic Substances Control

Telephone: 916-440-7145 Last EDR Contact: 10/10/2018

Next Scheduled EDR Contact: 01/21/2019
Data Release Frequency: Quarterly

MINES: Mines Site Location Listing

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: Department of Conservation

Telephone: 916-322-1080 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing

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

Date of Government Version: 08/28/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 28

Source: Department of Public Health Telephone: 916-558-1784

Last EDR Contact: 12/05/2018
Next Scheduled EDR Contact: 03/18/2019
Data Release Frequency: Varies

NPDES: NPDES Permits Listing

A listing of NPDES permits, including stormwater.

Date of Government Version: 08/09/2018 Date Data Arrived at EDR: 08/10/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 31

Source: State Water Resources Control Board

Telephone: 916-445-9379 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019 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: 09/04/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 28

Source: Department of Pesticide Regulation

Telephone: 916-445-4038 Last EDR Contact: 12/05/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Quarterly

PROC: Certified Processors Database A listing of certified processors.

> Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/15/2018

Number of Days to Update: 33

Source: Department of Conservation

Telephone: 916-323-3836 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records

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

Date of Government Version: 09/19/2018 Date Data Arrived at EDR: 09/20/2018 Date Made Active in Reports: 10/19/2018

Number of Days to Update: 29

Source: State Water Resources Control Board

Telephone: 916-445-3846 Last EDR Contact: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

UIC: UIC Listing

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

Date of Government Version: 04/27/2018 Date Data Arrived at EDR: 06/13/2018 Date Made Active in Reports: 07/17/2018

Number of Days to Update: 34

Source: Deaprtment of Conservation Telephone: 916-445-2408

Last EDR Contact: 09/13/2018

Next Scheduled EDR Contact: 12/24/2018 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: 05/08/2018 Date Data Arrived at EDR: 07/11/2018 Date Made Active in Reports: 09/13/2018

Number of Days to Update: 64

Source: RWQCB, Central Valley Region

Telephone: 559-445-5577 Last EDR Contact: 10/12/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Varies

WDS: Waste Discharge System

Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007 Date Data Arrived at EDR: 06/20/2007 Date Made Active in Reports: 06/29/2007

Number of Days to Update: 9

Source: State Water Resources Control Board

Telephone: 916-341-5227 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Quarterly

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: 10/22/2018 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 38

Source: California Environmental Protection Agency

Telephone: 916-323-2514 Last EDR Contact: 10/23/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009 Date Data Arrived at EDR: 07/21/2009 Date Made Active in Reports: 08/03/2009

Number of Days to Update: 13

Source: Los Angeles Water Quality Control Board

Telephone: 213-576-6726 Last EDR Contact: 09/25/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)

Underground control injection sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resource Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018

Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

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: 09/04/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 10/02/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-794-4977 Last EDR Contact: 12/04/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 916-341-5810 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Quarterly

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

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

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

SAMPLING POINT: Sampling Point? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Varies

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 09/10/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/09/2018

Number of Days to Update: 27

Source: State Water Resources Control Board

Telephone: 866-480-1028 Last EDR Contact: 12/12/2018

Next Scheduled EDR Contact: 12/24/2018

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 Source: EDR, Inc.

Date Data Arrived at EDR: N/A Telephone: N/A

Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: 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 Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A

Data Release Frequency: Varies

### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: EDR, Inc.

Telephone: N/A

Last EDR Contact: N/A

Next Scheduled EDR C

umber of Days to Update: 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: 10/05/2018 Date Data Arrived at EDR: 10/10/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 22

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 10/05/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 10/05/2018 Date Data Arrived at EDR: 10/10/2018 Date Made Active in Reports: 11/02/2018

Number of Days to Update: 23

Source: Alameda County Environmental Health Services

Telephone: 510-567-6700 Last EDR Contact: 10/05/2018

Next Scheduled EDR Contact: 04/24/2047 Data Release Frequency: Semi-Annually

#### AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 07/01/2018 Date Data Arrived at EDR: 07/24/2018 Date Made Active in Reports: 08/20/2018

Number of Days to Update: 27

Source: Amador County Environmental Health

Telephone: 209-223-6439 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019

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: 10/05/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: No Update Planned

#### CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing

Cupa Facility Listing

Date of Government Version: 08/02/2018 Date Data Arrived at EDR: 08/06/2018 Date Made Active in Reports: 08/20/2018

Number of Days to Update: 14

Source: Calveras County Environmental Health

Telephone: 209-754-6399 Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

#### COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List

Cupa facility list.

Date of Government Version: 05/23/2018 Date Data Arrived at EDR: 05/24/2018 Date Made Active in Reports: 07/13/2018

Number of Days to Update: 50

Source: Health & Human Services Telephone: 530-458-0396 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/18/2019 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: 08/20/2018 Date Data Arrived at EDR: 08/21/2018 Date Made Active in Reports: 09/11/2018

Number of Days to Update: 21

Source: Contra Costa Health Services Department

Telephone: 925-646-2286 Last EDR Contact: 10/29/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Semi-Annually

### **DEL NORTE COUNTY:**

CUPA DEL NORTE: CUPA Facility List

Cupa Facility list

Date of Government Version: 08/16/2018 Date Data Arrived at EDR: 11/06/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 8

Source: Del Norte County Environmental Health Division

Telephone: 707-465-0426 Last EDR Contact: 10/25/2018

Next Scheduled EDR Contact: 02/11/2019

Data Release Frequency: Varies

### EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List

CUPA facility list.

Date of Government Version: 09/04/2018 Date Data Arrived at EDR: 09/05/2018 Date Made Active in Reports: 09/18/2018

Number of Days to Update: 13

Source: El Dorado County Environmental Management Department

Telephone: 530-621-6623 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 02/11/2019 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: 10/16/2018 Date Data Arrived at EDR: 10/18/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 27

Source: Dept. of Community Health Telephone: 559-445-3271 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Semi-Annually

### GLENN COUNTY:

CUPA GLENN: CUPA Facility List

Cupa facility list

Date of Government Version: 01/22/2018 Date Data Arrived at EDR: 01/24/2018 Date Made Active in Reports: 03/14/2018

Number of Days to Update: 49

Source: Glenn County Air Pollution Control District

Telephone: 830-934-6500 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

### HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List

CUPA facility list.

Date of Government Version: 07/11/2018 Date Data Arrived at EDR: 07/13/2018 Date Made Active in Reports: 08/22/2018

Number of Days to Update: 40

Source: Humboldt County Environmental Health

Telephone: N/A

Last EDR Contact: 11/19/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Semi-Annually

### IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List

Cupa facility list.

Date of Government Version: 10/22/2018 Date Data Arrived at EDR: 10/25/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 20

Source: San Diego Border Field Office

Telephone: 760-339-2777 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019

Data Release Frequency: Varies

### INYO COUNTY:

CUPA INYO: CUPA Facility List

Cupa facility list.

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/03/2018 Date Made Active in Reports: 06/14/2018

Number of Days to Update: 72

Source: Inyo County Environmental Health Services

Telephone: 760-878-0238 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

KERN COUNTY:

UST KERN: Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 07/20/2018 Date Data Arrived at EDR: 07/25/2018 Date Made Active in Reports: 09/12/2018

Number of Days to Update: 49

Source: Kern County Environment Health Services Department

Telephone: 661-862-8700 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019 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: 08/23/2018 Date Data Arrived at EDR: 08/24/2018 Date Made Active in Reports: 09/18/2018

Number of Days to Update: 25

Source: Kings County Department of Public Health

Telephone: 559-584-1411 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List

Cupa facility list

Date of Government Version: 11/07/2018 Date Data Arrived at EDR: 11/08/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 6

Source: Lake County Environmental Health

Telephone: 707-263-1164 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List

Cupa facility list

Date of Government Version: 10/15/2018 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 22

Source: Lassen County Environmental Health

Telephone: 530-251-8528 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019

Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 03/30/2009 Date Data Arrived at EDR: 03/31/2009 Date Made Active in Reports: 10/23/2009

Number of Days to Update: 206

Source: EPA Region 9 Telephone: 415-972-3178 Last EDR Contact: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/20/2018 Date Data Arrived at EDR: 10/12/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 35

Source: Department of Public Works

Telephone: 626-458-3517 Last EDR Contact: 10/05/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities Solid Waste Facilities in Los Angeles County.

> Date of Government Version: 10/15/2018 Date Data Arrived at EDR: 10/16/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 31

Source: La County Department of Public Works

Telephone: 818-458-5185 Last EDR Contact: 10/16/2018

Next Scheduled EDR Contact: 01/28/2019

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: 01/01/2018 Date Data Arrived at EDR: 05/01/2018 Date Made Active in Reports: 05/14/2018

Number of Days to Update: 13

Source: Engineering & Construction Division

Telephone: 213-473-7869 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 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: 07/01/2018 Date Data Arrived at EDR: 10/16/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 31

Source: Community Health Services Telephone: 323-890-7806 Last EDR Contact: 10/16/2018

Next Scheduled EDR Contact: 01/28/2019 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 Date Data Arrived at EDR: 04/19/2017 Date Made Active in Reports: 05/10/2017

Number of Days to Update: 21

Source: City of El Segundo Fire Department

Telephone: 310-524-2236 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Semi-Annually

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: 03/09/2017 Date Data Arrived at EDR: 03/10/2017 Date Made Active in Reports: 05/03/2017

Number of Days to Update: 54

Source: City of Long Beach Fire Department

Telephone: 562-570-2563 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Annually

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/02/2018 Date Data Arrived at EDR: 10/05/2018 Date Made Active in Reports: 11/02/2018

Number of Days to Update: 28

Source: City of Torrance Fire Department

Telephone: 310-618-2973 Last EDR Contact: 10/05/2018

Next Scheduled EDR Contact: 01/21/2019 Data Release Frequency: Semi-Annually

#### MADERA COUNTY:

CUPA MADERA: CUPA Facility List

A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/30/2018 Date Data Arrived at EDR: 09/04/2018 Date Made Active in Reports: 09/19/2018

Number of Days to Update: 15

Source: Madera County Environmental Health

Telephone: 559-675-7823 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

## MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites Currently permitted USTs in Marin County.

> Date of Government Version: 09/26/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 11/02/2018

Number of Days to Update: 29

Source: Public Works Department Waste Management

Telephone: 415-473-6647 Last EDR Contact: 10/01/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Semi-Annually

## MERCED COUNTY:

CUPA MERCED: CUPA Facility List CUPA facility list.

Date of Government Version: 08/29/2018 Date Data Arrived at EDR: 08/31/2018 Date Made Active in Reports: 09/19/2018

Number of Days to Update: 19

Source: Merced County Environmental Health

Telephone: 209-381-1094 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

### MONO COUNTY:

CUPA MONO: CUPA Facility List CUPA Facility List

> Date of Government Version: 07/18/2018 Date Data Arrived at EDR: 09/04/2018 Date Made Active in Reports: 09/19/2018

Number of Days to Update: 15

Source: Mono County Health Department

Telephone: 760-932-5580 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Varies

#### MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing

CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/29/2018 Date Data Arrived at EDR: 11/01/2018 Date Made Active in Reports: 11/16/2018

Number of Days to Update: 15

Source: Monterey County Health Department

Telephone: 831-796-1297 Last EDR Contact: 10/01/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Varies

#### NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination

A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017 Date Data Arrived at EDR: 01/11/2017 Date Made Active in Reports: 03/02/2017

Number of Days to Update: 50

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 11/21/2018

Next Scheduled EDR Contact: 03/11/2019 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: 08/27/2018

Date Data Arrived at EDR: 08/28/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 36

Source: Napa County Department of Environmental Management

Telephone: 707-253-4269 Last EDR Contact: 11/26/2018

Next Scheduled EDR Contact: 03/11/2019
Data Release Frequency: No Update Planned

### **NEVADA COUNTY:**

CUPA NEVADA: CUPA Facility List

CUPA facility list.

Date of Government Version: 11/06/2018 Date Data Arrived at EDR: 11/08/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 6

Source: Community Development Agency

Telephone: 530-265-1467 Last EDR Contact: 10/25/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Varies

## ORANGE COUNTY:

IND\_SITE ORANGE: List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 07/13/2018 Date Data Arrived at EDR: 08/08/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 33

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/05/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 07/13/2018 Date Data Arrived at EDR: 08/08/2018 Date Made Active in Reports: 09/10/2018

Number of Days to Update: 33

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/05/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 07/13/2018 Date Data Arrived at EDR: 08/06/2018 Date Made Active in Reports: 09/12/2018

Number of Days to Update: 37

Source: Health Care Agency Telephone: 714-834-3446 Last EDR Contact: 11/06/2018

Next Scheduled EDR Contact: 02/18/2019 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: 09/04/2018 Date Data Arrived at EDR: 09/06/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 27

Telephone: 530-745-2363

Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Semi-Annually

Source: Placer County Health and Human Services

#### PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List

Plumas County CUPA Program facilities.

Date of Government Version: 07/19/2018 Date Data Arrived at EDR: 07/25/2018 Date Made Active in Reports: 09/05/2018

Number of Days to Update: 42

Source: Plumas County Environmental Health

Telephone: 530-283-6355 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019

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: 10/10/2018 Date Data Arrived at EDR: 10/12/2018 Date Made Active in Reports: 10/16/2018

Number of Days to Update: 4

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List

Underground storage tank sites located in Riverside county.

Date of Government Version: 10/10/2018 Date Data Arrived at EDR: 10/12/2018 Date Made Active in Reports: 11/05/2018

Number of Days to Update: 24

Source: Department of Environmental Health

Telephone: 951-358-5055 Last EDR Contact: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Quarterly

## SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List

List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 08/03/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 30

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 10/02/2018

Next Scheduled EDR Contact: 01/14/2019 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: 08/23/2018 Date Data Arrived at EDR: 10/02/2018 Date Made Active in Reports: 11/02/2018

Number of Days to Update: 31

Source: Sacramento County Environmental Management

Telephone: 916-875-8406 Last EDR Contact: 10/02/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Quarterly

#### SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List

Cupa facility list

Date of Government Version: 08/07/2018 Date Data Arrived at EDR: 08/09/2018 Date Made Active in Reports: 09/05/2018

Number of Days to Update: 27

Source: San Benito County Environmental Health

Telephone: N/A

Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/18/2019

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: 07/27/2018
Date Data Arrived at EDR: 07/31/2018
Date Made Active in Reports: 09/10/2018

Number of Days to Update: 41

Source: San Bernardino County Fire Department Hazardous Materials Division

Telephone: 909-387-3041 Last EDR Contact: 11/05/2018

Next Scheduled EDR Contact: 02/18/2019 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: 06/04/2018 Date Data Arrived at EDR: 06/06/2018 Date Made Active in Reports: 07/17/2018

Number of Days to Update: 41

Source: Hazardous Materials Management Division

Telephone: 619-338-2268 Last EDR Contact: 12/05/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Quarterly

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: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 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: 10/22/2018 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 38

Source: Department of Environmental Health

Telephone: 858-505-6874 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

SAN DIEGO CO. SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010 Date Data Arrived at EDR: 06/15/2010 Date Made Active in Reports: 07/09/2010

Number of Days to Update: 24

Source: San Diego County Department of Environmental Health

Telephone: 619-338-2371 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

LUST SAN FRANCISCO: Local Oversite Facilities

A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008 Date Data Arrived at EDR: 09/19/2008 Date Made Active in Reports: 09/29/2008

Number of Days to Update: 10

Source: Department Of Public Health San Francisco County

Telephone: 415-252-3920 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Quarterly

UST SAN FRANCISCO: Underground Storage Tank Information

Underground storage tank sites located in San Francisco county.

Date of Government Version: 09/17/2018 Date Data Arrived at EDR: 09/18/2018 Date Made Active in Reports: 10/03/2018

Number of Days to Update: 15

Source: Department of Public Health

Telephone: 415-252-3920 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019
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: 09/17/2018

Next Scheduled EDR Contact: 12/31/2018 Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List

Cupa Facility List.

Date of Government Version: 08/20/2018 Date Data Arrived at EDR: 08/21/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 17

Source: San Luis Obispo County Public Health Department

Telephone: 805-781-5596 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 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: 09/18/2018 Date Data Arrived at EDR: 09/20/2018 Date Made Active in Reports: 11/01/2018

Number of Days to Update: 42

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 09/10/2018

Next Scheduled EDR Contact: 12/24/2018 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: 09/18/2018 Date Data Arrived at EDR: 09/20/2018 Date Made Active in Reports: 10/17/2018

Number of Days to Update: 27

Source: San Mateo County Environmental Health Services Division

Telephone: 650-363-1921 Last EDR Contact: 09/10/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Semi-Annually

### SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing

CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011 Date Data Arrived at EDR: 09/09/2011 Date Made Active in Reports: 10/07/2011

Number of Days to Update: 28

Source: Santa Barbara County Public Health Department

Telephone: 805-686-8167 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019

Data Release Frequency: Varies

## SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List

Cupa facility list

Date of Government Version: 08/17/2018 Date Data Arrived at EDR: 08/22/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 16

Source: Department of Environmental Health

Telephone: 408-918-1973 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county.

Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005 Date Data Arrived at EDR: 03/30/2005 Date Made Active in Reports: 04/21/2005

Number of Days to Update: 22

Source: Santa Clara Valley Water District

Telephone: 408-265-2600 Last EDR Contact: 03/23/2009

Next Scheduled EDR Contact: 06/22/2009 Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing

A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014 Date Data Arrived at EDR: 03/05/2014 Date Made Active in Reports: 03/18/2014

Number of Days to Update: 13

Source: Department of Environmental Health

Telephone: 408-918-3417 Last EDR Contact: 11/21/2018

Next Scheduled EDR Contact: 03/11/2019 Data Release Frequency: Annually

SAN JOSE HAZMAT: Hazardous Material Facilities

Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 08/01/2018 Date Data Arrived at EDR: 08/06/2018 Date Made Active in Reports: 09/11/2018

Number of Days to Update: 36

Source: City of San Jose Fire Department

Telephone: 408-535-7694 Last EDR Contact: 11/01/2018

Next Scheduled EDR Contact: 02/18/2019 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: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 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: 11/14/2018

Next Scheduled EDR Contact: 03/04/2019 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: 08/29/2018 Date Data Arrived at EDR: 09/04/2018 Date Made Active in Reports: 10/17/2018

Number of Days to Update: 43

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks

Underground storage tank sites located in Solano county.

Date of Government Version: 08/29/2018 Date Data Arrived at EDR: 09/04/2018 Date Made Active in Reports: 10/18/2018

Number of Days to Update: 44

Source: Solano County Department of Environmental Management

Telephone: 707-784-6770 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List

Cupa Facility list

Date of Government Version: 09/24/2018 Date Data Arrived at EDR: 09/25/2018 Date Made Active in Reports: 10/16/2018

Number of Days to Update: 21

Source: County of Sonoma Fire & Emergency Services Department

Telephone: 707-565-1174 Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019 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: 10/02/2018 Date Data Arrived at EDR: 10/04/2018 Date Made Active in Reports: 10/25/2018

Number of Days to Update: 21

Source: Department of Health Services

Telephone: 707-565-6565 Last EDR Contact: 09/24/2018

Next Scheduled EDR Contact: 01/07/2019 Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List

Cupa facility list

Date of Government Version: 08/14/2018 Date Data Arrived at EDR: 08/16/2018 Date Made Active in Reports: 08/24/2018

Number of Days to Update: 8

Source: Stanislaus County Department of Ennvironmental Protection

Telephone: 209-525-6751 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks

Underground storage tank sites located in Sutter county.

Date of Government Version: 09/18/2018 Date Data Arrived at EDR: 09/20/2018 Date Made Active in Reports: 10/25/2018

Number of Days to Update: 35

Source: Sutter County Department of Agriculture

Telephone: 530-822-7500 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 03/18/2019 Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List

Cupa facilities

Date of Government Version: 07/17/2018 Date Data Arrived at EDR: 08/02/2018 Date Made Active in Reports: 09/07/2018

Number of Days to Update: 36

Source: Tehama County Department of Environmental Health

Telephone: 530-527-8020 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 02/18/2019 Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List

Cupa facility list

Date of Government Version: 10/22/2018 Date Data Arrived at EDR: 10/25/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 20

Source: Department of Toxic Substances Control

Telephone: 760-352-0381 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 Data Release Frequency: Varies

### TULARE COUNTY:

CUPA TULARE: CUPA Facility List Cupa program facilities

Date of Government Version: 09/13/2018 Date Data Arrived at EDR: 09/14/2018 Date Made Active in Reports: 09/19/2018

Number of Days to Update: 5

Source: Tulare County Environmental Health Services Division

Telephone: 559-624-7400 Last EDR Contact: 11/29/2018

Next Scheduled EDR Contact: 02/18/2019

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: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019

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: 09/26/2018 Date Data Arrived at EDR: 10/25/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 36

Source: Ventura County Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 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: 10/01/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Annually

## 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: 11/07/2018

Next Scheduled EDR Contact: 02/25/2019 Data Release Frequency: Quarterly

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: 09/25/2018 Date Data Arrived at EDR: 10/25/2018 Date Made Active in Reports: 11/30/2018

Number of Days to Update: 36

Source: Ventura County Resource Management Agency

Telephone: 805-654-2813 Last EDR Contact: 10/22/2018

Next Scheduled EDR Contact: 02/04/2019 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: 09/04/2018 Date Data Arrived at EDR: 09/12/2018 Date Made Active in Reports: 10/04/2018

Number of Days to Update: 22

Source: Environmental Health Division

Telephone: 805-654-2813 Last EDR Contact: 09/12/2018

Next Scheduled EDR Contact: 12/24/2018 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: 10/15/2018 Date Data Arrived at EDR: 10/19/2018 Date Made Active in Reports: 11/05/2018

Number of Days to Update: 17

Source: Yolo County Department of Health

Telephone: 530-666-8646 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/14/2019 Data Release Frequency: Annually

## YUBA COUNTY:

CUPA YUBA: CUPA Facility List

CUPA facility listing for Yuba County.

Date of Government Version: 11/05/2018 Date Data Arrived at EDR: 11/07/2018 Date Made Active in Reports: 11/14/2018

Number of Days to Update: 7

Source: Yuba County Environmental Health Department

Telephone: 530-749-7523 Last EDR Contact: 10/25/2018

Next Scheduled EDR Contact: 02/11/2019

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: 11/12/2018 Date Data Arrived at EDR: 11/14/2018 Date Made Active in Reports: 12/04/2018

Number of Days to Update: 20

Source: Department of Energy & Environmental Protection

Telephone: 860-424-3375 Last EDR Contact: 11/14/2018

Next Scheduled EDR Contact: 02/25/2019
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 07/13/2018 Date Made Active in Reports: 08/01/2018

Number of Days to Update: 19

Source: Department of Environmental Protection

Telephone: N/A

Last EDR Contact: 10/09/2018

Next Scheduled EDR Contact: 01/21/2019 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: 07/01/2018 Date Data Arrived at EDR: 08/01/2018 Date Made Active in Reports: 08/31/2018

Number of Days to Update: 30

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 10/31/2018

Next Scheduled EDR Contact: 02/11/2019 Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 10/23/2018 Date Made Active in Reports: 11/27/2018

Number of Days to Update: 35

Source: Department of Environmental Protection

Telephone: 717-783-8990 Last EDR Contact: 10/15/2018

Next Scheduled EDR Contact: 01/28/2019 Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

> Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 02/23/2018 Date Made Active in Reports: 04/09/2018

Number of Days to Update: 45

Source: Department of Environmental Management

Telephone: 401-222-2797 Last EDR Contact: 11/16/2018

Next Scheduled EDR Contact: 03/04/2019 Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

> Date of Government Version: 12/31/2017 Date Data Arrived at EDR: 06/15/2018 Date Made Active in Reports: 07/09/2018

Number of Days to Update: 24

Source: Department of Natural Resources

Telephone: N/A

Last EDR Contact: 09/06/2018

Next Scheduled EDR Contact: 12/24/2018 Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

#### AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services,

a federal agency within the U.S. Department of Health and Human Services.

#### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

#### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary

and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

#### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities Source: Department of Social Services

Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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**

AUBERRY ELEMENTARY SCHOOL 33367 AUBERRY ROAD AUBERRY, CA 93602

## TARGET PROPERTY COORDINATES

Latitude (North): 37.079603 - 37° 4' 46.57" Longitude (West): 119.488281 - 119° 29' 17.81"

Universal Tranverse Mercator: Zone 11 UTM X (Meters): 278809.0 UTM Y (Meters): 4106396.5

Elevation: 1983 ft. above sea level

## **USGS TOPOGRAPHIC MAP**

Target Property Map: 5637383 AUBERRY, CA

Version Date: 2012

West Map: 5637431 MILLERTON LAKE EAST, 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.

## **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).

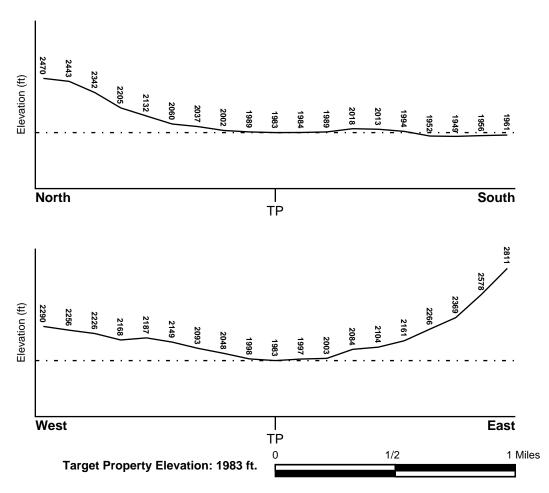
## **TOPOGRAPHIC INFORMATION**

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 SE

#### 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.

## 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**

Flood Plain Panel at Target Property FEMA Source Type

06019C0700H FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

06019C0675H FEMA FIRM Flood data

**NATIONAL WETLAND INVENTORY** 

NWI Quad at Target Property Data Coverage

AUBERRY 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.

LOCATION GENERAL DIRECTION

MAP ID FROM TP GROUNDWATER FLOW

Not Reported

## **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**

#### **GEOLOGIC AGE IDENTIFICATION**

Era: Mesozoic Category: Plutonic and Intrusive Rocks

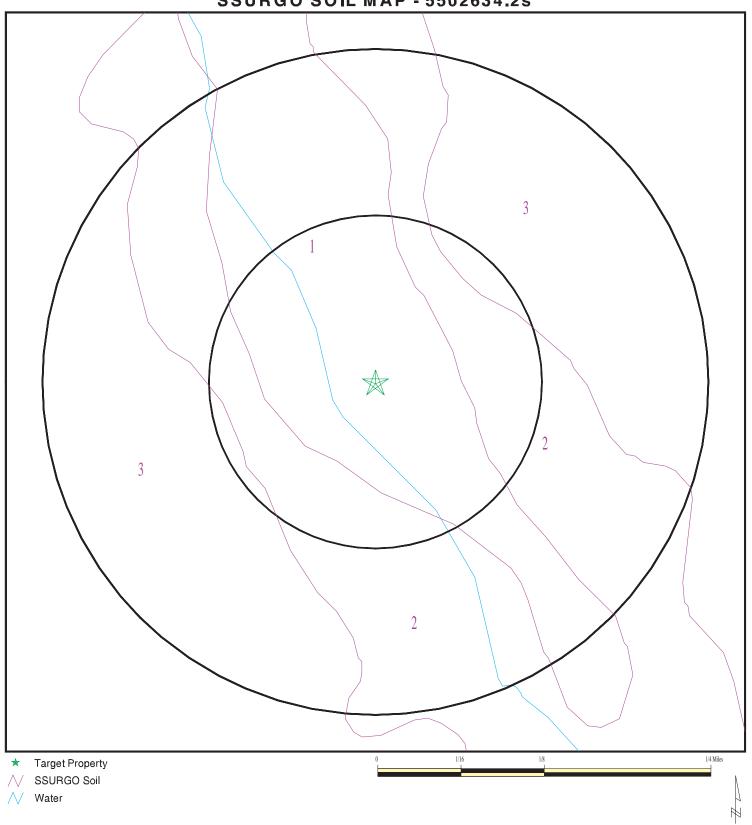
System: Cretaceous

Series: Lower Cretaceous granitic rocks

Code: Kg1 (decoded above as Era, System & Series)

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 - 5502634.2s**



SITE NAME: Auberry Elementary School
ADDRESS: 33367 Auberry Road
Auberry CA 93602
LAT/LONG: 37.079603 / 119.488281

CLIENT: Geocon Consultants, Inc.
CONTACT: Cristian Virrueta
INQUIRY #: 5502634.2s

DATE: December 06, 2018 8:18 am

## 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: VISALIA

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information									
Layer	Boundary			Classification		Saturated hydraulic			
	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	Soil Reaction (pH)		
1	0 inches	9 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1		
2	9 inches	48 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1		
3	48 inches	59 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 7.8 Min: 6.1		

Soil Map ID: 2

Soil Component Name: AUBERRY

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

> 0 inches

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Depth to Watertable Min:

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

#### **Soil Layer Information** Saturated **Boundary** Classification hydraulic conductivity **Soil Reaction** Layer Upper Lower Soil Texture Class **AASHTO Group Unified Soil** micro m/sec (pH) 1 0 inches 11 inches coarse sandy Silt-Clay Not reported Max: 1 Max: Min: loam Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils. 2 11 inches 16 inches sandy loam Silt-Clay Not reported Max: 1 Max: Min: Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils. 3 16 inches 35 inches Silt-Clay Not reported Max: 1 Max: Min: sandy clay loam Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils. 4 35 inches Max: 1 Max: Min: 42 inches coarse sandy Silt-Clay Not reported Materials (more Min: 0 loam than 35 pct. passing No. 200), Silty Soils. 5 42 inches 46 inches bedrock Silt-Clay Not reported Max: 1 Max: Min: Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils.

Soil Map ID: 3

Soil Component Name: AUBERRY

Soil Surface Texture: coarse sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

> 0 inches

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Depth to Watertable Min:

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

#### **Soil Layer Information** Saturated **Boundary** Classification hydraulic conductivity **Soil Reaction** Layer Upper Lower Soil Texture Class **AASHTO Group Unified Soil** (pH) micro m/sec 1 0 inches 11 inches coarse sandy Silt-Clay Not reported Max: 1 Max: Min: loam Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils. 2 11 inches 16 inches sandy loam Silt-Clay Not reported Max: 1 Max: Min: Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils. 3 16 inches 35 inches Silt-Clay Not reported Max: 1 Max: Min: sandy clay loam Min: 0 Materials (more than 35 pct. passing No. 200), Silty Soils. 4 35 inches Max: 1 Max: Min: 42 inches coarse sandy Silt-Clay Not reported Materials (more Min: 0 loam than 35 pct. passing No. 200), Silty Soils. 5 42 inches 46 inches bedrock Silt-Clay Not reported Max: 1 Max: Min: Materials (more Min: 0 than 35 pct. passing No. 200), Silty Soils.

## **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

DATABASE SEARCH DISTANCE (miles)

Federal USGS 1.000

Federal FRDS PWS Nearest PWS within 0.001 miles

State Database 1.000

FEDERAL USGS WELL INFORMATION

**LOCATION** 

LOCATION

MAP ID WELL ID FROM TP

No Wells Found

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

LOCATION MAP ID WELL ID FROM TP

No PWS System Found

Note: PWS System location is not always the same as well location.

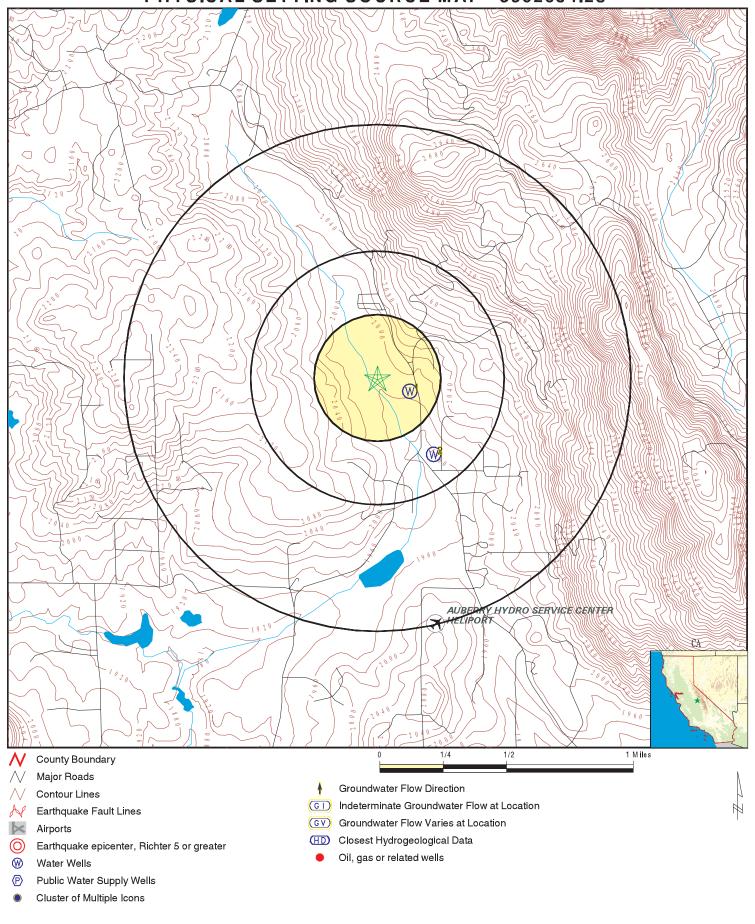
## STATE DATABASE WELL INFORMATION

 MAP ID
 WELL ID
 FROM TP

 1
 10262
 1/8 - 1/4 Mile ESE

 2
 10263
 1/4 - 1/2 Mile SE

# PHYSICAL SETTING SOURCE MAP - 5502634.2s



SITE NAME: Auberry Elementary School ADDRESS: 33367 Auberry Road Auberry CA 93602 37.079603 / 119.488281

LAT/LONG:

CLIENT: Geocon Consulta CONTACT: Cristian Virrueta Geocon Consultants, Inc.

INQUIRY #: 5502634.2s DATE: December 06, 2018 8:18 am

## **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Map ID
Direction
Distance

Database EDR ID Number Elevation **CA WELLS ESE** 10262 1/8 - 1/4 Mile Higher Seq: 10262 Prim sta c: 10S/23E-08B01 M 1000312001 Frds no: County: 10 District: User id: 10C 40 1000312 System no: Water type: G Source nam: WELL 01 Station ty: WELL/AMBNT/MUN/INTAKE Latitude: 370444.0 Longitude: 1192906.0 Precision: Status: AR 3 33367 N. AUBERRY Not Reported Comment 1: Comment 2: Comment 3: Not Reported Comment 4: Not Reported Comment 5: Not Reported Comment 6: Not Reported Not Reported Comment 7: AUBERRY UNION SCHOOL System no: 1000312 System nam: Hqname: Not Reported Address: Not Reported City: Not Reported State: Not Reported Zip: Not Reported Zip ext: Not Reported Connection: Pop serv: 0 Area serve: Not Reported

SE 1/4 - 1/2 Mile Lower

**CA WELLS** 10263

10S/23E-08G01 M

10263 Seq: Prim sta c: 1000161001 County: Frds no: 10 District: 40 User id: 10C System no: 1000161 Water type: G AUBERRY RD WELL Station ty: WELL/AMBNT/MUN/INTAKE Source nam: 1192900.0 Latitude: 370431.0 Longitude:

Precision: 3 Status: AR Comment 1: Not Reported Comment 2: Not Reported Comment 3: Not Reported Comment 4: Not Reported Not Reported Not Reported Comment 5: Comment 6: Not Reported Comment 7:

System no: 1000161 System nam: WISH I AH Hqname: Not Reported Address: Not Reported City: Not Reported State: Not Reported Not Reported Not Reported Zip ext: Zip:

Pop serv: Connection: Area serve: Not Reported

Sample date: 28-OCT-14 Finding: 33.

Chemical: NITRATE (AS NO3) Report units: MG/L DIr:

28-OCT-14 Sample date: Finding: 240.

IRON Chemical: Report units: UG/L DIr: 100.

Sample date: 05-MAY-14 Finding: 54. UG/L

Report units: **BARIUM** Chemical: DIr: 100.

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Sample date: Chemical: Dlr:	05-MAY-14 CHROMIUM (TOTAL) 10.	Finding: Report units:	15. UG/L
Sample date: Chemical: Dlr:	05-MAY-14 IRON 100.	Finding: Report units:	370. UG/L
Sample date: Chemical: Dlr:	05-MAY-14 NICKEL 10.	Finding: Report units:	2.5 UG/L
Sample date: Chemical: Dlr:	05-MAY-14 TOTAL DISSOLVED SOLIDS 0.	Finding: Report units:	400. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 NITRATE (AS NO3) 2.	Finding: Report units:	29. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 CHLORIDE 0.	Finding: Report units:	55. MG/L
Sample date: Chemical: DIr:	05-MAY-14 SULFATE 0.5	Finding: Report units:	17. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 SODIUM 0.	Finding: Report units:	26. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 SPECIFIC CONDUCTANCE 0.	Finding: Report units:	590. US
Sample date: Chemical: Dlr:	05-MAY-14 PH, LABORATORY 0.	Finding: Report units:	7.5 Not Reported
Sample date: Chemical: Dlr:	05-MAY-14 ALKALINITY (TOTAL) AS CACO3 0.	Finding: Report units:	170. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 BICARBONATE ALKALINITY 0.	Finding: Report units:	210. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 HARDNESS (TOTAL) AS CACO3 0.	Finding: Report units:	220. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 CALCIUM 0.	Finding: Report units:	69. MG/L
Sample date: Chemical: Dlr:	05-MAY-14 MAGNESIUM 0.	Finding: Report units:	12. MG/L
Sample date: Chemical:	16-JUL-13 NITRATE (AS NO3)	Finding: Report units:	21. MG/L

# **GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS**

Dlr: 2.

Sample date: 10-DEC-12 Finding: 26. Chemical: NITRATE (AS NO3) Report units: MG/L

DIr: 2

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
	<del></del>	
93602	11	4

Federal EPA Radon Zone for FRESNO County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93602

Number of sites tested: 1

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L 0.200 pCi/L Living Area - 1st Floor 100% 0% 0% Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported Not Reported Basement 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<sup>R</sup> 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: Department of Conservation

Telephone: 916-323-1779

Oil and Gas well locations in the state.

## RADON

State Database: CA Radon

Source: Department of Health Services

Telephone: 916-324-2208 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.

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.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

## 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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# **Auberry Elementary School**

33367 Auberry Road Auberry, CA 93602

Inquiry Number: 5502634.8

December 06, 2018

# The EDR Aerial Photo Decade Package



# **EDR Aerial Photo Decade Package**

12/06/18

Site Name: Client Name:

Auberry Elementary School 33367 Auberry Road Auberry, CA 93602 EDR Inquiry # 5502634.8 Geocon Consultants, Inc. 3160 Gold Valley Drive Rancho Cordova, CA 95742 Contact: Cristian Virrueta



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>S</u>	Source
2016 1"=500' Flight Year: 2016 US	SDA/NAIP
2012 1"=500' Flight Year: 2012 US	SDA/NAIP
2009 1"=500' Flight Year: 2009 US	SDA/NAIP
2005 1"=500' Flight Year: 2005 US	SDA/NAIP
1998 1"=500' Acquisition Date: August 17, 1998 US	SGS/DOQQ
1985 1"=500' Flight Date: August 02, 1985 US	SDA
1978 1"=500' Flight Date: July 11, 1978 US	SGS
1975 1"=500' Flight Date: August 29, 1975 US	SGS
1963 1"=500' Flight Date: May 16, 1963 US	SGS
1957 1"=500' Flight Date: August 15, 1957 US	SDA
1950 1"=500' Flight Date: February 15, 1950 US	SDA
1946 1"=500' Flight Date: June 01, 1946 US	SGS

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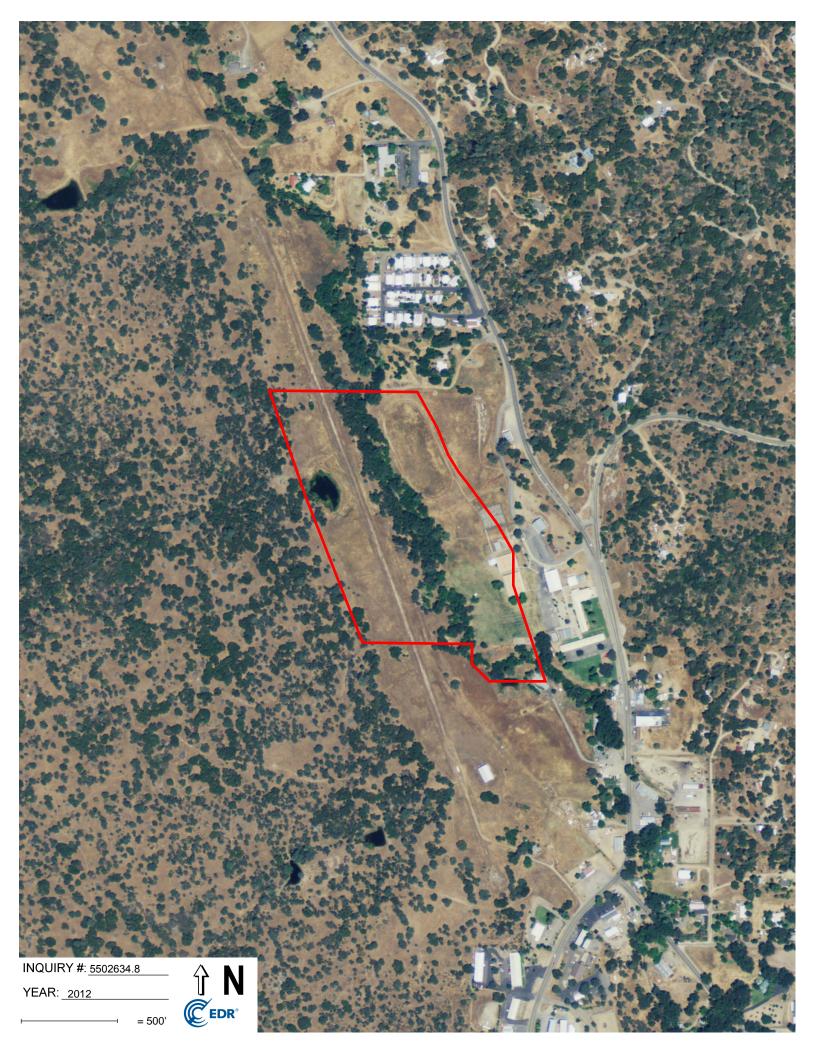
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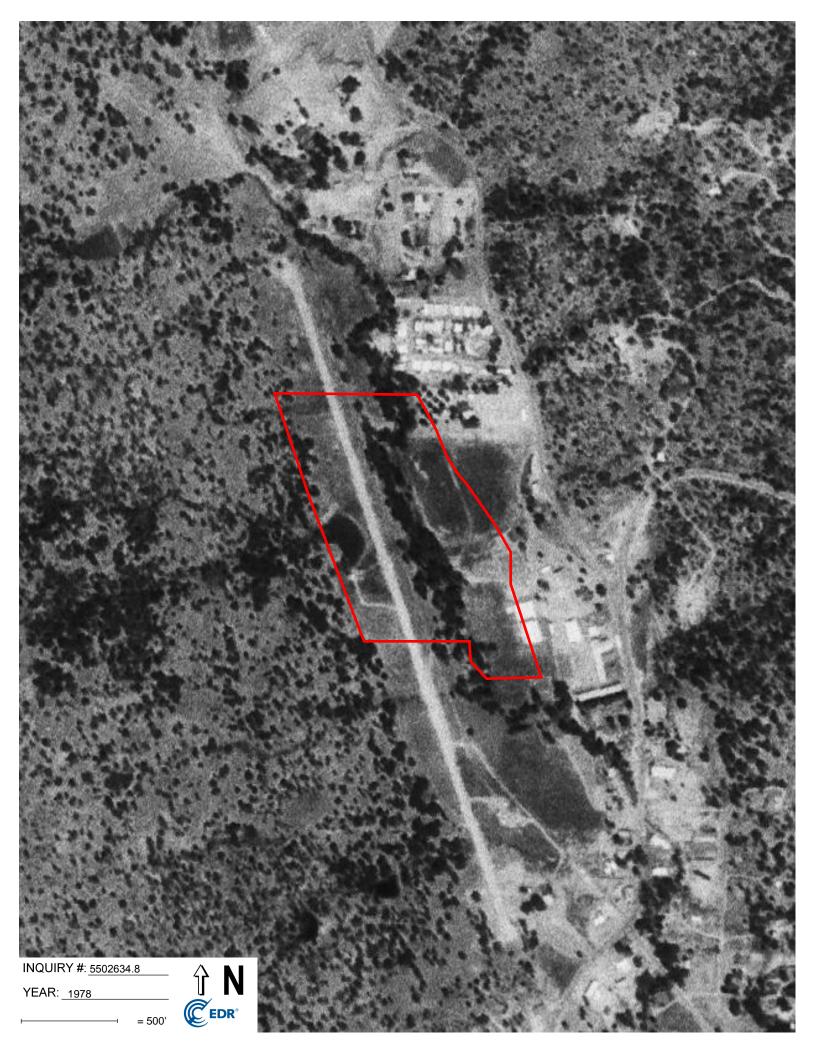










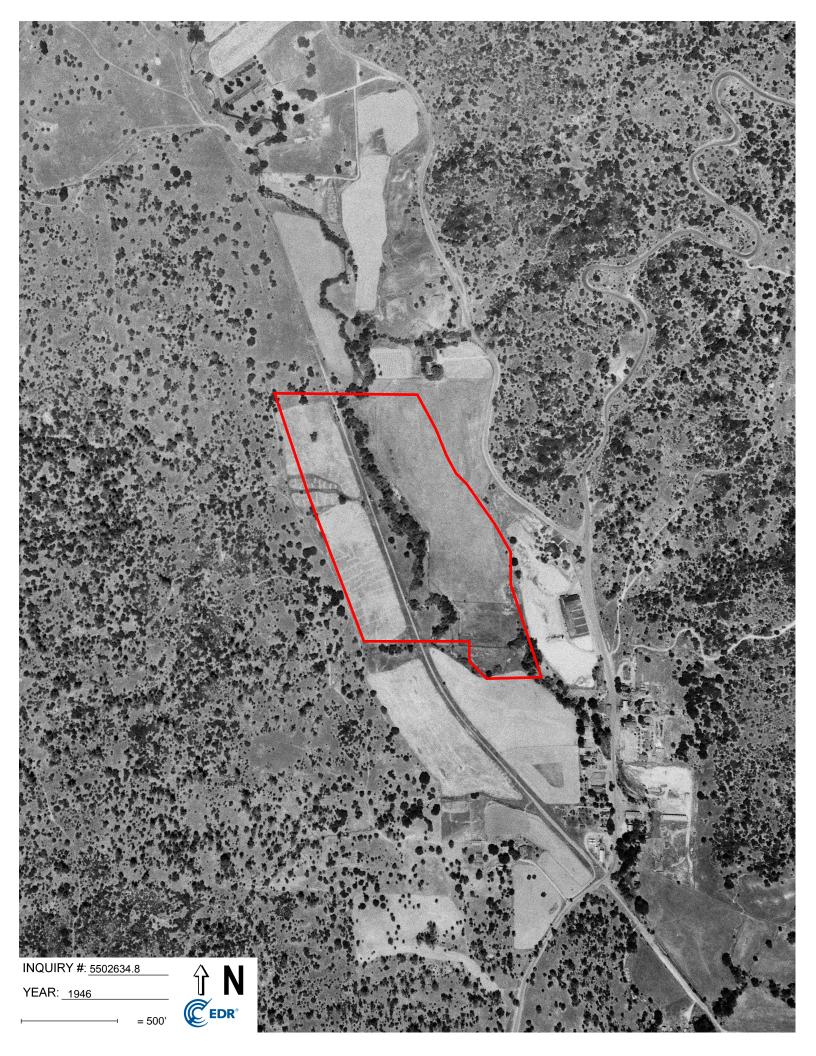














Auberry Elementary School 33367 Auberry Road Auberry, CA 93602

Inquiry Number: 5502634.4

December 05, 2018

# **EDR Historical Topo Map Report**

with QuadMatch™



## **EDR Historical Topo Map Report**

12/05/18

Site Name: Client Name:

Auberry Elementary School 33367 Auberry Road Auberry, CA 93602 EDR Inquiry # 5502634.4 Geocon Consultants, Inc. 3160 Gold Valley Drive Rancho Cordova, CA 95742 Contact: Cristian Virrueta



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Geocon Consultants, Inc. 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.#	S1544-03-07	Latitude:	37.079603 37° 4' 47" North
Project:	Auberry Elementary Phase I E	Longitude:	-119.488281 -119° 29' 18" West
-	,	UTM Zone:	Zone 11 North
		UTM X Meters:	278814.40
		<b>UTM Y Meters:</b>	4106599.88
		Elevation:	1983.69' above sea level

#### **Maps Provided:**

20122004

1981, 1983

1953

1904

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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## Topo Sheet Key

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

#### 2012 Source Sheets



Millerton Lake East 2012 7.5-minute, 24000



Auberry 2012 7.5-minute, 24000

#### 2004 Source Sheets



Auberry 2004 7.5-minute, 24000 Aerial Photo Revised 1998



Millerton Lake East 2004 7.5-minute, 24000 Aerial Photo Revised 1998

#### 1981, 1983 Source Sheets



Millerton Lake East 1981 7.5-minute, 24000 Aerial Photo Revised 1978



Auberry 1983 7.5-minute, 24000 Aerial Photo Revised 1976

#### 1953 Source Sheets



Shaver Lake 1953 15-minute, 62500 Aerial Photo Revised 1948

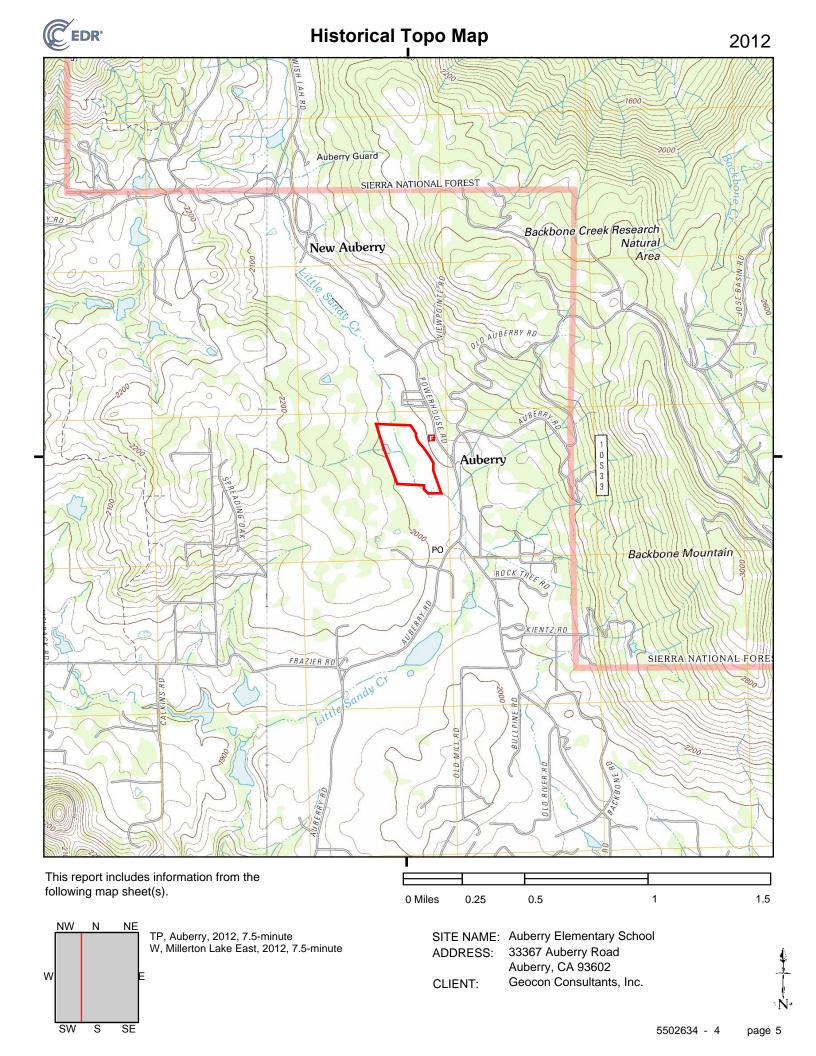
## Topo Sheet Key

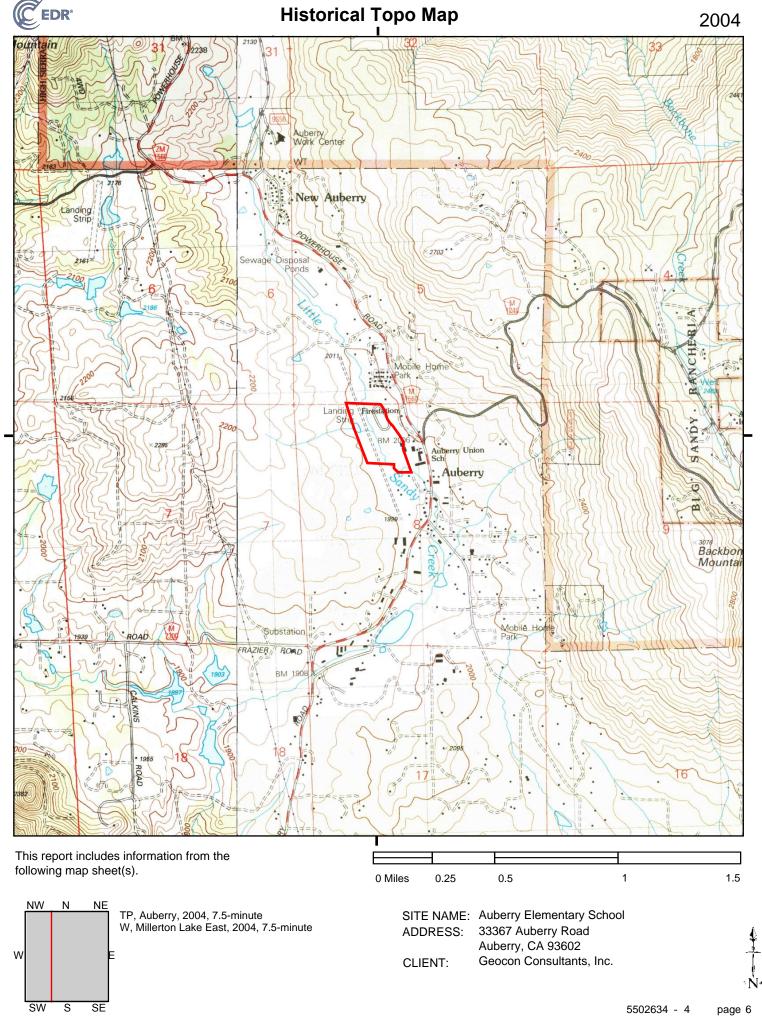
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

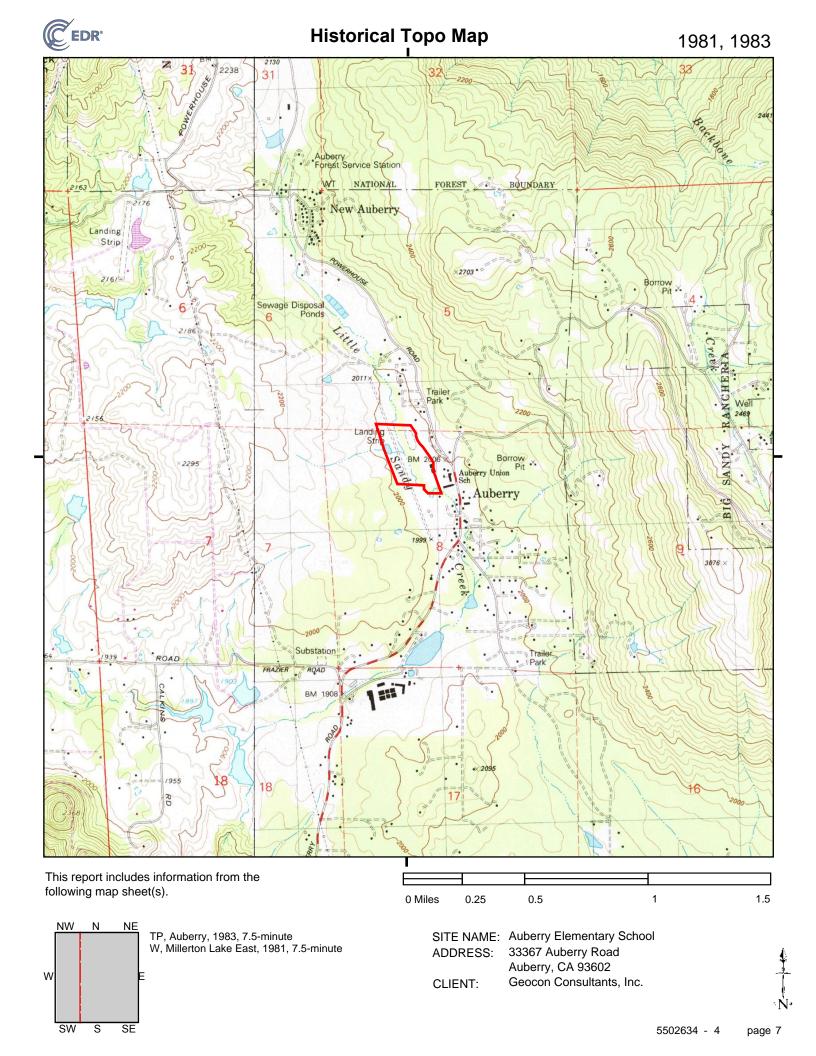
## 1904 Source Sheets

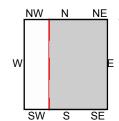


Kaiser 1904 30-minute, 125000









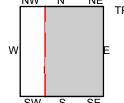
TP, Shaver Lake, 1953, 15-minute

SITE NAME: Auberry Elementary School

ADDRESS: 33367 Auberry Road

Auberry, CA 93602 CLIENT: Geocon Consultants, Inc.

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



TP, Kaiser, 1904, 30-minute

0 Miles 0.25 0.5 1 1.5

SITE NAME: Auberry Elementary School

ADDRESS: 33367 Auberry Road

Auberry, CA 93602

CLIENT: Geocon Consultants, Inc.

# APPENDIX F

**Auberry Elementary School** 

33367 Auberry Road Auberry, CA 93602

Inquiry Number: 5502634.5

December 10, 2018

# The EDR-City Directory Image Report



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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**

#### **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>	Target Street	Cross Street	<u>Source</u>
2014	$\overline{\checkmark}$	$\overline{\mathbf{V}}$	<b>EDR Digital Archive</b>
2010	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
2005	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
2000	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
1995	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
1992	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
1987	$\overline{\checkmark}$		<b>EDR Digital Archive</b>
1982	$\overline{\checkmark}$	$\overline{\mathbf{V}}$	<b>EDR Digital Archive</b>
1977	$\overline{\checkmark}$		EDR Digital Archive

## **FINDINGS**

## TARGET PROPERTY STREET

33367 Auberry Road Auberry, CA 93602

<u>Year</u>	CD Image	<u>Source</u>
AUBERRY	RD	
2014	pg A1	EDR Digital Archive
2010	pg A4	EDR Digital Archive
2005	pg A7	EDR Digital Archive
2000	pg A10	EDR Digital Archive
1995	pg A12	EDR Digital Archive
1992	pg A14	EDR Digital Archive
1987	pg A16	EDR Digital Archive
1982	pg A18	EDR Digital Archive
1977	pg A20	EDR Digital Archive

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## **FINDINGS**

## **CROSS STREETS**

CD Image	Source
	CD Image

## **POWERHOUSE RD**

2014	pg. A2	EDR Digital Archive
2010	pg. A5	EDR Digital Archive
2005	pg. A8	EDR Digital Archive
2000	pg. A11	EDR Digital Archive
1995	pg. A13	EDR Digital Archive
1992	pg. A15	EDR Digital Archive
1987	pg. A17	EDR Digital Archive
1982	pg. A19	EDR Digital Archive
1977	pg. A21	EDR Digital Archive

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Target Street Cross Street Source

→ EDR Digital Archive

# AUBERRY RD 2014

33246	ROAD MAINTENANCE YARD AREA 11 COUNTY OF FRESNO PONDEROSA MARKET VELASCOS MEXICAN RESTAURANT
	GIRLS OLD TOWN CAFE

# POWERHOUSE RD 2014

33751	BELL, PATRICK J BENTLEY, AMY R BOLAND, MIKE W BOULAND MAINTENANCE MANAGEMENT BRISENDINE, CHRISTINE E COOPER, SHARON K DANIEL, MARK L DANIELS, GARY W
	DAVIDSON, GARY D DAVIS, BILLY J
	ENGLEMAN, LEIGHTON R FLEMING, ALEX
	GANN, VIVIAN L HAZE, DIANE M
	HILDERBRANDT, JACK E HILL, DAVID N
	JENSEN, CHARLENE A MAEHLER, JOANNE
	POULSON, EDWARD H
	PRATT, SUSAN D RIGGS, CHARLES H
	ROBINSON, GREGORY G SOLMS, THERESA
	STEINKRAUS, RON G STGERMAIN, LAWRENCE J
	VANRYAN, PIETER
33757	·
33865	•
33870	,
33896	
	MORTON, ROBERT C
33970	SLATER, DAVID B AYLER, DONALD R
34101	COUTU, NATALIE
34122	REEVES, DUSTIN
34156	BEGGS, RICHARD J
	L AND R ENTERPRISES
34181	WHALEY, JAMES D
34425	ANDERSON, CHARLES E
34475	MILLER, SHARON L
34486	OCCUPANT UNKNOWN,
34555	ROBERTSON, BRETT W
34615	OCCUPANT UNKNOWN,
34754	OCCUPANT UNKNOWN,
34899	OCCUPANT UNKNOWN,
34953	ELDRIDGE, RON D KETTLETHORN MANOR
35151	LONG, KENNETH L
35343	PETERS, JOHN L
35421	EDLUND, BILL A

Target Street Cross Street Source
- Source EDR Digital Archive

# POWERHOUSE RD 2014 (Cont'd)

35555	WORTHINGTON, FRED A
35772	HAGEMAN, JOHN D
35846	LITE ON LAND INC
35861	BRANDOW, FRANK
35961	HODGKIN, ROSEMARY C
35991	ALL EARTH CONSTRUCTION
36120	CORNELL, JACOB
	JACKSON, DILENE J
36136	REAVELY, WILLIAM V
36339	BILL, BRIAN M
36682	OCCUPANT UNKNOWN,
36736	AMUNDSEN, BERNARD
36788	OCCUPANT UNKNOWN,
36800	LARSON, MICHAEL
36888	OCCUPANT UNKNOWN,
36923	ASHMORE, MICHAEL D
36952	CASTRO, GABRIEL M
39401	DARSEY, STEVEN
39403	MILOR, ALLEN A
39405	CLARK, DONNA D
39999	JOHNSTON, JOHN C

Target Street Cross Street Source

→ EDR Digital Archive

#### AUBERRY RD 2010

	AUBERRY RD	2010
33148 33246 33251 33257 33275 33284 33300	PONDEROSA MARKET STOWAWAY CARRIERS ABU-NASR STORE VELASCOS MEXICAN RESTAURANT GIRLS OLD TOWN CAFE BIG SANDY DEVELOPMENT CO	

# POWERHOUSE RD 2010

33751	ADAID VIONNE M
33731	ADAIR, YVONNE M BENTLEY, AMY R
	BOULAND MAINTENANCE MANAGEMENT
	CROWE, HENRY C
	•
	ENGLEMAN, LEIGHTON R
	FLEMING, ALEX
	FONTI, BILL L
	GANN, VIVIAN L
	HAZE, DIANE M
	PETERS, LEO J
	PITCHFORD, DAVID A
	ROBINSON, BURL D
	SNYDER, JOHN J
	SOLMS, FREDERICK M
	STANALAND, GLORIA M
	TURNER, WINNIE J
00000	VAN RYN CONSTRUCTION AND SON
33800	OCCUPANT UNKNOWN,
	ROBBINS, JOHN D
33896	AUBERRY COMMUNITY CHURCH
00007	SLATER, DAVID B
33937	GASSETT, DAVID K
22222	SCHACHER, HEIDI A
33962	OCCUPANT UNKNOWN,
33970	AYLER, DONALD R
34043	GHILARDUCCI, DANNY A
34080	THOMPSON, AARON J
34122	REEVES, DUSTIN
	AUBERRY SVNTH-DAY ADVENTIST CH
34156	BEGGS, RICHARD J
04404	L AND R ENTERPRISES
	WHALEY, JAMES D
34475	MILLER, SHARON L
34486	OCCUPANT UNKNOWN,
34554	BEAM, WALTER L
34555	ROBERTSON, BRETT W
34615	HATFIELD, CHUCK L
34754	MEHRING, DAVID A
34899	CHAMP, JEREMY L
34953	ELDRIDGE, RON D
05454	KETTLETHORN MANOR
35151	LONG, KENNETH L
35305	BUNYARD, TARRIE L
05040	TRANQUILLITY BAPTIST CHURCH
35343	PETERS, JOHN L
35364	BARR, TRAY
35421	HODGKIN, ROSEMARY C
35555	WORTHINGTON, SCOTT J
35567	OCCUPANT UNKNOWN,
35772	HAGEMAN, JOHN D

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- EDR Digital Archive

# POWERHOUSE RD 2010 (Cont'd)

35835	GAULT, DYLAN T
35846	LITE ON LAND INC
35861	JENKINS, WILLIAM T
35961	SANTILLAN, ERIC M
35991	ALL EARTH CONSTRUCTION
36120	CORNELL, JACOB
	JACKSON, DILENE J
36136	REAVELY, WILLIAM V
36240	DAVIS, HARRY G
36682	EDWARDS, KENNETH G
36736	AMUNDSEN, BERNARD
36742	AMUNDSEN, ERIC J
36788	OCCUPANT UNKNOWN,
36800	LARSON, MICHAEL
36888	DECKER, DAVID R
36920	SHAFER, EVELYN K
36952	CASTRO, GABRIEL M
39401	DARSEY, STEVEN
39403	MILOR, ALLEN A
39405	GEGUNDE, DAVID A
39997	OCCUPANT UNKNOWN,
39999	JOHNSTON FIELD (5CL9)
	JOHNSTON, JOHN C
40121	SCHREIBER, DOROTHY C

Target Street Cross Street Source

→ EDR Digital Archive

# AUBERRY RD 2005

33246 33251	AMERICAN INDIAN FAMILY CENTER BORELLI ANTHONY SHERYLS LITTLE MART
	VELASCOS MEXICAN RESTAURANT GIRLS OLD TOWN CAFE LIFT SIERRA UNIFIED SCHOOL DISTRICT

## **POWERHOUSE RD 2005**

33751 ADAIR, YVONNE M BENTLEY, AMY R **BLAND MAINTENANCE MGMT** BRISENDINE, CHRISTINE E CALDWELL, DWAYNE CARROLL, WAYNE P CRISWELL, YVETTE Y DENISTON, KATHLEEN FLEMING, ALEX GANN, VIVIAN L GIVIDEN, HAROLD W JOYCE, BETTY PITCHFORD, DAVID A RIGGS, CHARLES N SCHOONOVER, ROBERT E STANALAND, GLORIA M SWAM, GERALD B TIDWELL, KAREN A TURNER, WINNIE L WOOSLEY, CRAIG B 33865 ZOLNAY, RICHARD L 33896 AUBERRY COMMUNITY CHURCH MORTON, ROBERT 33920 COOPER, THOMAS 33937 GASSETT, DAVID K 33970 AYLER, DONALD R 34043 GHILARDUCCI, DANNY A 34075 GHILARDUCCI, DANNY A 34125 AUBERRY SEVENTH-DAY ADVENTIST 34156 BEGGS, RICHARD J 34181 WHALEY, JAMES D 34425 ANDERSON, M 34475 MILLER, SHARON 34486 OCCUPANT UNKNOWN, 34553 ELDRIDGE, RON D 34555 ROBERTSON, BRETT 34615 CLAASSEN, STEPHEN N 34754 MEHRING, DAVID A 34861 BAKER, STEVEN N 34953 KETTLETHORN MANOR LONG, KENNETH L 35102 MCCARTHY, DONALD 35151 LONG, KENNETH L 35305 BUNYARD, TARRIE L 35343 PETERS, JOHN L 35364 BARR, TRAY 35421 HODGKIN, ROSEMARY 35555 WORTHINGTON, SCOTT J 35772 HAGEMAN, DIXIE L 35861 JENKINS, WILLIAM T

<u>Target Street</u> <u>Cross Street</u> <u>Source</u>
- EDR Digital Archive

# POWERHOUSE RD 2005 (Cont'd)

35961	OCCUPANT UNKNOWN,	
36120	KAMALANI, TYLER R	
36136	COBOS, V	
36240	DAVIS, HARRY G	
36339	OCCUPANT UNKNOWN,	
36682	EDWARDS, KENNETH G	
36736	AMUNDSEN, BERNARD	
36788	OCCUPANT UNKNOWN,	
36834	BULLOCK, DOROTHY R	
36920	SHAFER, EVELYN K	
36923	ASHMORE, MICHAEL D	
36952	CASTRO, GABRIEL M	
39401	DARSEY, STEVEN	
39403	MILOR, ALLEN A	
39999	JOHNSTON, JOHN C	
40121	JONES, DELBERT D	

Target Street Cross Street Source

→ EDR Digital Archive

# AUBERRY RD 2000

BORELLI ANTHONY
VELASCOS MEXICAN RESTAURANT SIERRA UNIFIED SCHOOL DST

Target Street Cross Street Source
- Source EDR Digital Archive

# POWERHOUSE RD 2000

33751	······································
	CRISWELL, YVETTE
	FLEMING, ALEX
	TURNER, WINNIE L
33896	AUBERRY COMMUNITY CHURCH
	SLATER, DAVID B
33962	GIVIDEN, CLARISE L
34125	AUBERRY SEVENTH-DAY ADVENTIST
34156	BEGGS, LORIE A
34593	KETTLETHORN MANOR
34615	HATFIELD, CHUCK
34754	ALLEN, JEAN A
35343	PETERS, JOHN
35421	HODGKIN, R
35772	CHARRED CREATIONS
35861	JENKINS, RACHEL M
36136	CRUZ, ARLEEN L
36339	JACKSON, DEANN
36920	•
39403	•
39999	JOHNSTON, JOHN C
30000	00.11.0.1011, 001111 0

Target Street Cross Street Source

→ EDR Digital Archive

# AUBERRY RD 1995

	AUBERRIRD	1333
33224 33246	AUBERRY AUTO PARTS INC REYNOLDS TV & APPLIANCES FRESNO COUNTY OF NOLEN PAUL PONDEROSA MARKET AUBERRY GENERAL STORE	
	SIERRA UNIFIED SCHOOL DISTRICT	

Target Street Cross Street Source
- Source EDR Digital Archive

## POWERHOUSE RD 1995

33751	CRISWELL, YVETTE FLEMING, ALEX
	KINZY, PAULINE
	ROREX, SAMUEL J
	SCHMITZ, RICHARD
	TURNER, RAY
	UNRUH, SHIRLEY
	WEIN, ERIC W
33896	AUBERRY COMMUNITY CHURCH
	SLATER, DAVID B
33970	AYLER, DONALD R
34156	BEGGS, RICHARD
34615	HATFIELD, CHUCK
	MICHAEL VANDERVEUR DIST
35305	JONES, BILLY W
35343	PETERS, JOHN
35421	HODGKIN, R
39401	RASMUSSEN, VIGGO L
39403	MILOR, ALLEN H

Target Street Cross Street Source

→ EDR Digital Archive

### AUBERRY RD 1992

	AUBERRY RD	1992
33134	AUBERRY AUTO PARTS INC	
	REYNOLDS TV & APPLIANCES	
33246	AUBERRY GARAGE PONDEROSA MARKET	
33251		
33257		
33367	GOLDEN HILLS SCHOOL	

Target Street Cross Street Source
- Source EDR Digital Archive

## POWERHOUSE RD 1992

33751	DEIBERT, LIBBY M
	FLEMING, ALEX
	WILK, BARRY B
33896	AUBERRY COMMUNITY CHURCH
	SLATER, DAVID B
33920	PETERS, JOHN H
33962	WALKER ELECTRONICS
34551	LONG ED LECTRIC
34615	HATFIELD, CHUCK
	MICHAEL VANDERVEUR DIST
35421	HODGKIN, R
36682	JOVAHAS WITNESSES
39401	RASMUSSEN, V L
39403	MILOR, ALLEN H
3375115	DESMOND, GEORGE R
3375121	IBENTE, C
3375123	BROREX, SAMUEL J
3375126	SCRISWELL, YVETTE
3375129	KNUTSON, SELMER O

Target Street Cross Street Source

→ EDR Digital Archive

## AUBERRY RD 1987

33251	AUBERRY AUTO PARTS INC REYNOLDS TV & APPLIANCES AUBERRY GENERAL STORE AUBERRY ELEMENTARY AUBERRY UNION ELEM SCH DIST

Target Street Cross Street Source
- Source EDR Digital Archive

## POWERHOUSE RD 1987

33751 ARARAT MOB HM ESTS 33896 AUBERRY COMMUNITY CHURCH 34551 LONG ED LECTRIC

Target Street Cross Street Source

→ EDR Digital Archive

## AUBERRY RD 1982

33134	AUBERRY AUTO PARTS INC REYNOLDS TV & APPLIANCES
	AUBERRY GENERAL STORE AUBERRY ELEMENTARY AUBERRY UNION ELEM SCH DIST
	AODERICH CHICA ELEM CONTRICT

Target Street	Cross Street	<u>Source</u>
-	✓	EDR Digital Archive

## POWERHOUSE RD 1982

34551	LONG ED LECTRIC

Target Street Cross Street Source

→ EDR Digital Archive

# AUBERRY RD 1977

	AUDERKI	\ <b>D</b> 1.	<b>.</b> .	
33134	AUBERRY AUTO PARTS INC REYNOLDS TV & APPLIANCES AUBERRY GENERAL STORE			

Target Street	Cross Street	<u>Source</u>
-	✓	EDR Digital Archive

## POWERHOUSE RD 1977

33751	ARARAT MOBILE HOME ESTATES

# **APPENDIX F**

SoundPLAN Noise Modeling, ECORP Consulting, Inc. April 2020.

## SoundPLAN Output Source Information

1	Residential Home approximately	100 feet north of Project site	Ground Floor	40.9 dBA	35.5 dBA
2	Residential Home approximately	120 feet south of Project site	Ground Floor	41.9 dBA	41.4 dBA

lumbe	Noise Source Information	Citation	Level at Source
1	Parking Lot Actvity/ Internal Circulation	SoundPLAN 4.1 Reference Library	60.0 dBA
		CalFIRE Altaville Forest Fire Station Auto Shop	
3	Shop/ Warehouse Activity (only during daytime activity)	Replacement Project Initial Study. 2014	82.2 dBA
4	Sports Court	SoundPLAN 4.1 Reference Library	66.0 dBA
5	Ambient noise at a solar genergy generation facility	ECORP Noise Measurement at existing solar field	47.1 dBA

# APPENDIX G

Transportation Impact Assessment, KD Anderson & Associates, Inc. March 2020.

# **MEMO**

**To:** Chris Stabenfeldt, ECORP Consulting, Inc.

From: Ken Anderson, KD Anderson & Associates, Inc.

**Date:** March 18, 2020

Re: Transportation Impact Assessment for the California Conservation Corp Auberry Center Project,

Fresno County, CA

This letter summarizes our focused transportation impact assessment prepared for the CCC Auberry Center Project.

**Overview.** Today the California Conservation Corp (CCC) Central Region administers four Service Centers. The new Auberry Center will enable the CCC to reduce travel time and driving distance to reach sponsor work locations in the foothills. The objective of the project is to replace an existing, abandoned school with a modern residential, training and operations facility.

The Auberry Center will be located on a 17.7 acre parcel at 33367 North Auberry Road in the Fresno County community of Auberry. Figure 1 locates the project site, and Figure 2 is the project site plan. The site takes existing access near the intersection of North Auberry & Powerhouse Road at driveways previously used when the site was occupied by a school. These driveway locations will be re-used and will be gated.

#### **Project Characteristics**

The characteristics of the project have been identified in terms of activities associated with construction and with regular operation, as well as the new improvements that will be constructed for circulation / access.

The Auberry Center will have 26 staff and up to 100 Corp members who will reside on-site. Most staff members would travel to and from the site each day, but some remain on-site full-time in supervisory roles. Staff members are transported from the site to work sites during the week but are permitted to travel on weekends.

The project will be constructed over a two year period. 10 to 20 construction employees are expected on the site at various times. Typical construction equipment associated with the building trades would be transported to the site at various times depending on the nature of construction occurring at any time. On a daily basis, construction could generate 20 to 40 vehicle trips per day, with most of that activity concentrated into the beginning and ending of the workday.

Traffic to and from the site would also occur on a regular basis when the project is in operation. The facility will have 26 staff, most of whom would travel primarily during peak commute hours. Corp members residing on-site would not regularly travel during peak commute hours but would be transported offsite by bus for assignments at sponsor work locations. The administration center building would be

open to the public from 8:00 a.m. to 5:00 p.m. Monday thru Friday and would see 7 to 10 public visitors each day. On a typical weekday the project could generate perhaps 90 daily trips (i.e., ½ inbound and ½ outbound), with perhaps 20 to 30 peak hour trips.

Throughout the year crews from various California emergency response organizations use the CCC's service centers as a staging area. These activities would generate automobile and truck traffic at various times throughout the day as personnel and equipment are staged and dispatched. The site access is to be designed to accommodate the turning requirements of trucks.

#### **Environmental Setting**

**Existing Roadway Network.** The project would be constructed on a site located on the west side of North Auberry Road roughly 3 miles north of its intersection with State Route 168 (SR 168). SR 168 links the facility with the Fresno Metropolitan area to the west and continues easterly over the Sierras to an intersection on SR 395 in Mono County.

State Route 168 (SR 168). State Route 168 is an important east-west route through Fresno, Mono and Inyo counties and links the Auberry Center with the statewide circulation system in Fresno. The SR 168 Transportation Concept Report (TCR)<sup>1</sup> indicates that SR 168 in the area of the project is a two-lane conventional highway, which is also the ultimate concept. The speed limit on SR 168 is 55 mph in the area of the project east of North Auberry Road and 45 mph west of the North Auberry Road intersection.

Caltrans provides *Annual Average Daily Traffic* (AADT) counts for SR 168, and the most recent daily traffic volumes on SR 168 are 4,850 AADT west of the Morgan Canyon Road roundabout and 8,500 AADT east of that location towards the North Auberry Road intersection. Caltrans data indicates that trucks comprise 10% of the daily traffic on SR 168 in the study area.

The SR 168 TCR identifies the current operating Level of Service on the state highway based on roadway width, alignment and traffic volume. SR 168 operates at LOS C in the study area. The long-term concept for the roadway remains a two-lane highway, with a concept Level of Service of LOS D.

North Auberry Road. Auberry Road is a Fresno County roadway that extends from an intersection on Copper Avenue near Clovis northeasterly through the Sierra Nevada Foothills to the community of Auberry and on to its eventual termination on SR 168 east of the study area. A portion of Auberry Road follows SR 168 from Morgan Creek Road to the North Auburn Road intersection south of the project site. From that location Auberry Road continues to the Powerhouse Road intersection by the project before turning again to the east and its termination at another location on SR 168. In the area of the project North Auberry Road is a two-lane facility with paved shoulders of varying widths. A 35 mph speed limit exists in Auberry.

**Powerhouse Road**. Powerhouse Road is a rural Fresno County road that extends north from Auberry to an intersection on County Road 200 in Madera County. In the area of the project Powerhouse Road is a two-lane facility with paved shoulders of varying width.



<sup>&</sup>lt;sup>1</sup> California State Route 168 Transportation Concept Report, Caltrans District 2, April 2015.

Three existing intersections were included in this analysis.

North Auberry Road / Powerhouse Road intersection. The project abuts this acute angle intersection. Powerhouse Road approaches Auberry Road at a 30 degree angle, and this leg is controlled by a stop sign. A stop controlled "by-pass" lane allows left turns from Powerhouse Road and southbound right turns from Auberry Road outside of the intersection, and there is a northbound left turn lane. Sight distance in each direction satisfies Highway Design Manual (HDM) minimum requirements for 35 mph design.

SR 168 / North Auberry Road intersection. The project's connection to SR 168 will occur at a "tee" intersection. Each approach is a single through lane, and a westbound left turn lane is on the state highway. The intersection is controlled by a stop sign on the North Auberry Road approach, and the corners of the intersection have been widened to accommodate the turning requirements of large trucks. There is a horizontal curve on SR 168 west of the intersection. The view looking east is unrestricted, and the available sight distance looking to the west is 400 feet within the state right of way and 600 feet looking across the inside of the curve. The minimum requirement for 45 mph (i.e., 360 feet) is satisfied in that direction.

**SR** 168 / (Morgan Canyon Road) / Auberry Road intersection. This intersection in the business district of rural community of Prather is controlled by a modern two-lane roundabout recently installed by Caltrans to current design standards.

**Traffic Impact Analysis Methodology.** Quantitative Level of Service (LOS) analysis was performed for the study area intersections based on published information originally derived from the methodologies contained in the *Highway Capacity Manual*, 6<sup>th</sup> Edition (HCM). LOS analysis is used to identify the relative delay experienced by motorists. A grading scale of LOS "A" to LOS "F" is used to describe the quality of traffic flow, with LOS A representing uncongested operations and LOS F representing stopand-go operation with appreciable congestion and delay. Synchro software was employed to assess stop sign controlled intersections, and the roundabout was assessed using Sidra.

**Existing Traffic Operations.** Information regarding current traffic operations has been based on new weekday a.m. / p.m. peak hour traffic counts collected on February 19, 2020. As noted in Table 1, all three intersections operate with Levels of Service that satisfy Fresno County's LOS D standard for rural areas. Neither unsignalized intersection carries volumes that reach the level satisfying Manual of Uniform Traffic Control Devices (MUTCD) peak hour warrants for signalization.

TABLE 1 EXISTING TRAFFIC OPERATING CONDITIONS										
		Exis	ting Lev	el of Service						
		AM Peak Ho	our	PM Peak H	our					
Intersection	Control	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)	LOS	Traffic Signal Warranted?				
N. Auberry Rd / Powerhouse Rd	SSS <sup>1</sup>	9	A	9	A	No				
N. Auberry Rd / SR 168	SSS	10	A	12	В	No				
SR 168 (Morgan Canyon Rd) / Auberry Rd	Roundabout	5	A	5	A	Not applicable				
SSS is side street Stop control, and a	reported delay is for	or the "worst case"	moveme	nt						



**Future Traffic Volumes**. Future daily traffic volumes on study area roads were identified from available sources, as noted in Table 2. The volume on SR 168 is projected to increase by 31% based on the FCOG model and 15% based on the information in the TCR. The daily traffic volume on North Auberry Road may increase by 62%.

TABLE 2 FUTURE DAILY TRAFFIC VOLUMES									
				Volume /day)					
Road	Location	Current Count	SR 168 TCR (2035)	FCOG Regional Traffic Model					
SR 168	Prather to N. Auberry Road	8,500 <sup>1</sup>	9,800	11,175					
N. Auberry Rd	SR 168 to Powerhouse Road	2,925 <sup>2</sup>	-	4,725					

<sup>&</sup>lt;sup>1</sup> Caltrans 2017

#### **Regulatory Background**

#### **SB 743**

After June 2020 CEQA analysis of transportation impacts will need to address Vehicle Miles Traveled (VMT) in lieu of capacity based Level of Service analysis (LOS). At that time LOS may still be evaluated in terms of consistency with adopted General Plan policies, but transportation impacts are to be described in terms of a project's effect on regional VMT. Various methods for estimating VMT are available and described in technical advisories to current CEQA guidelines. Many communities and counties are working to establish new tools for measuring VMT and to establish new significance criteria for CEQA evaluation. Fresno COG has taken the lead role in developing SB 743 regional guidelines, which can be adapted by local governments for their needs and purposes. Objectives of the FCOG program include:

- Develop screening criteria
- Recommend Vehicle Miles Traveled (VMT) threshold
- Recommend a metric and threshold for transportation projects
- Develop a VMT calculation tool that will be hosted on Fresno COG's website
- Identify VMT mitigation measures
- Recommend VMT threshold for plans

#### **California Department of Transportation (Caltrans)**

Caltrans has jurisdiction over SR 168 and the balance of the state highway system. According to the Caltrans' *Guide for the Preparation of Traffic Impact Studies* (Caltrans, 2002), Caltrans aims to maintain



<sup>&</sup>lt;sup>2</sup> estimated from peak hour volumes

a target Level of Service (LOS) at the transition between C and D on state highway facilities. However, Caltrans acknowledges that this may not always be feasible and recommends that the Lead Agency consult with Caltrans to determine the appropriate target LOS. If an existing state highway facility is operating below the appropriate target LOS, the existing LOS should be maintained.

Caltrans' Transportation Concept Reports identify long-range improvements and establish the concept (desired) LOS for specific corridor segments. The reports identify long-range improvements needed to bring an existing facility up to expected standards needed to adequately serve 20-year traffic forecasts. Additionally, they identify the ultimate design concept for conditions beyond the immediate 20-year design period.

The Caltrans *Highway Design Manual (HDM)* provides guidance in the design of facilities on state highways. In this case, Chapter 4 identifies design requirements for intersections and turn lanes based on deceleration requirements and acceptable transitions from mainline highway alignment.

#### Fresno County

The Circulation Element of the *Fresno County 2000 General Plan* (Fresno County, 2000) provides policy direction for the transportation systems that serve the unincorporated lands of Fresno County and describes how the County intends to serve transportation needs for the next 20 years. The General Plan does prescribe a minimum standard for Level of Service of LOS D in rural areas.

#### Fresno County Regional Transportation Plan

The Fresno County 2018 Regional Transportation Plan (RTP) provides a coordinated, 20-year vision of the regionally significant transportation improvements and policies needed to efficiently move goods and people in the region. As the Regional Transportation Planning Agency (RTPA), the Fresno Council of Governments (FCOG) is required by California law to adopt and submit an approved RTP to the California Transportation Commission (CTC) every five years. The California Department of Transportation (Caltrans) assists with plan preparation and reviews draft documents for compliance and consistency. The 2018 RTP noted a minimum Level of Service of D for SR 168.

#### **Impact Assessment**

**Impact to Traffic Operations.** Vehicular traffic accompanying the construction or operation of the project would represent a small incremental addition to the current traffic volumes on SR 168 and North Auberry Road. The amount of project traffic would be too small to appreciably alter current operations, and Level of Service study intersections would not exceed adopted minimum standards. Because conditions with the project would continue to satisfy the adopted minimum standards, the project's impact would not be significant.

Short term traffic controls may be needed on North Auberry Road as the project's improvements are constructed. Traffic controls may include traffic detours or lane closures which may delay motorists for short periods of time. Construction traffic controls would be included in a traffic handling plan as part of the documents included in the encroachment permit granted by Fresno County for work in the public right of way. Because construction traffic controls would be temporary and managed under a plan approved by the County, these short term delays are not judged to be a significant impact.



Mr. Chris Stabenfeldt, ECORP Consulting Inc. March 18, 2020 Page 6

**Cumulative Impacts.** The extent to which the proposed project may contribute to cumulative traffic impacts has been considered based on information contained in other documents. The reference materials cited earlier were reviewed to identify information relative to long term conditions on SR 168.

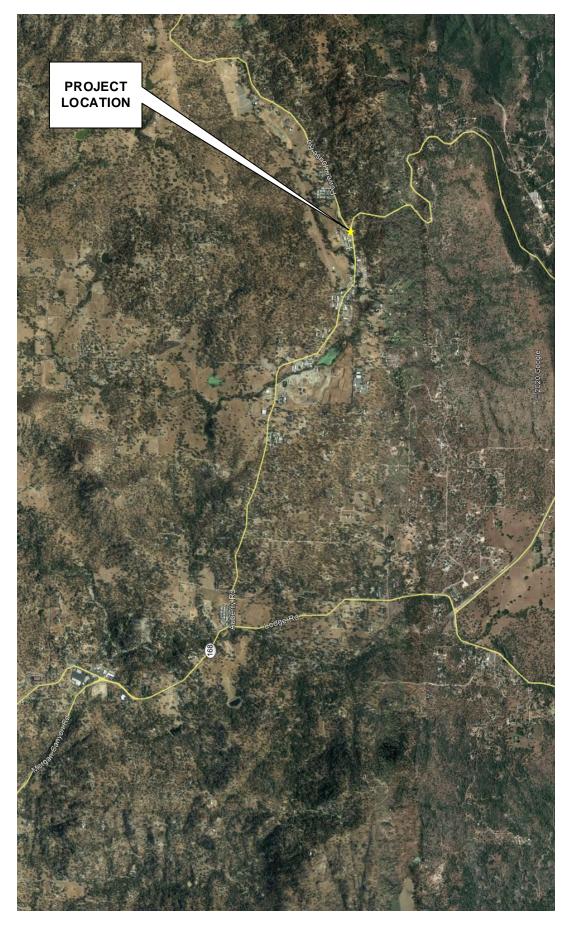
The Caltrans TCR suggests future traffic volumes on SR 168, and similar increases are forecast by the FCOG model. The TCR indicates that the Level of Service on the state highway will remain adequate (i.e., LOS D) with implementation. Because the additional traffic resulting from the project is minor, the project's cumulative impact is not significant.

**Vehicle Miles Traveled (VMT) Impacts.** The project will cause regular weekday regional VMT as staff members travel to and from the site, deliveries are made to Auberry CCC and Corp members are transported to and from work sites. The amount of VMT will depend on factors such as the location of staff residences, the source of delivers and the location of work sites within the service area. It's anticipated that a share of the staff members will be new employees who could be expected to reside in the Auberry / Prather area, but others will be transferred from the existing Fresno satellite center and many commute to the site for some time.

OPR has established recommended screening criteria for determining whether the VMT impacts of a project are likely to be significant and whether additional quantification / analysis is warranted. OPR suggests that projects generating fewer than 110 daily trips can be assumed to have a less than significant impact on regional VMT. As the project's estimated daily trip generation would fall below that threshold, its impact would not be significant.

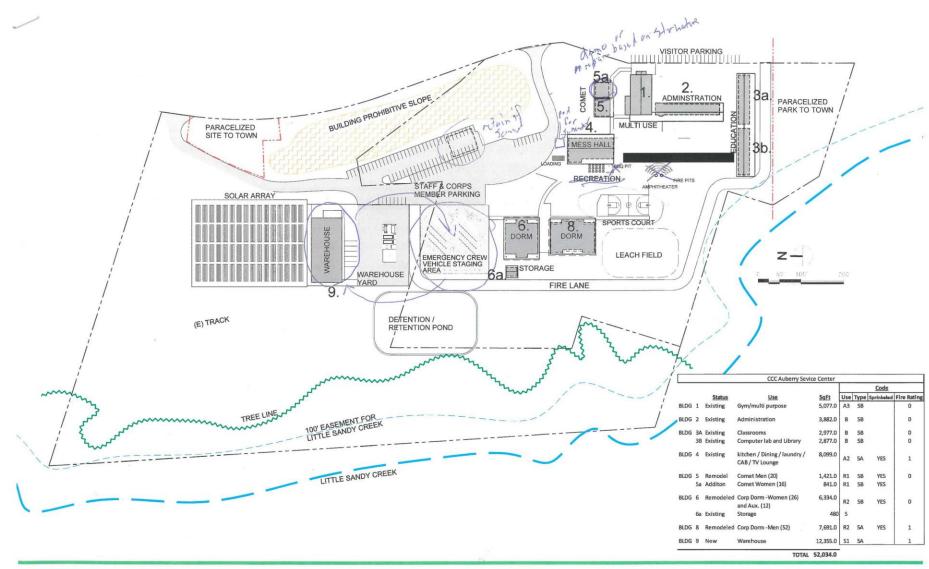
Attachments





KD Anderson & Associates, Inc. Transportation Engineers
2610-26 RA 3/18/2020

VICINITY MAP

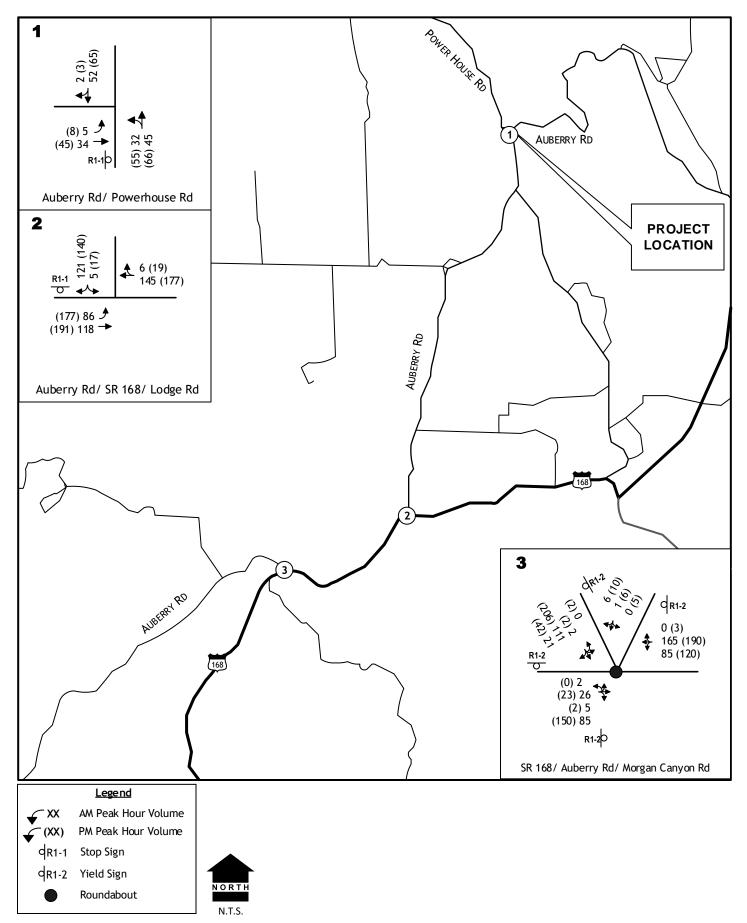


SITE PLAN- MASTER PLAN AUBERRY BUDGET PACKAGE AUGUST 11, 2016

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KD Anderson & Associates, Inc.

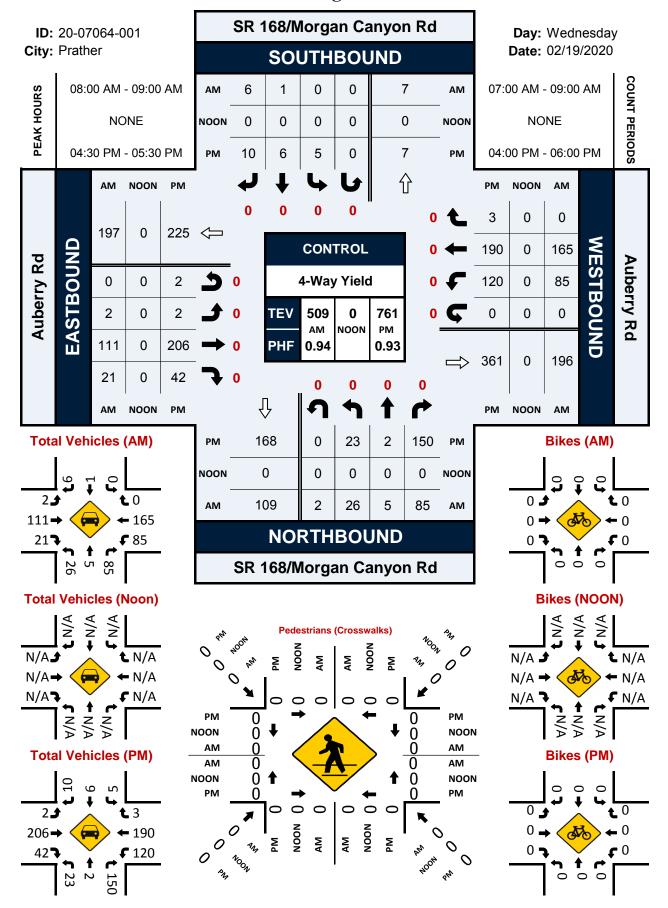
Transportation Engineers



KD Anderson & Associates, Inc. EXISTING TRAFFIC VOLUMES AND LANE CONFIGURATIONS Transportation Engineers

## SR 168/Morgan Canyon Rd & Auberry Rd

### **Peak Hour Turning Movement Count**



Intersection Turning Movement Count

Location: SR 168/Morgan Canyon Rd & Auberry Rd

City: Prather

Control All Controls

City: All Controls

Controls

Controls

City: All Controls

Cont **Project ID:** 20-07064-001 Control: 4-Way Yield **Date:** 2/19/2020

_								To	tal								_
NS/EW Streets:	SR	168/Morga	n Canyon R	d	SR	168/Morga	n Canyon R	ld		Auberr	y Rd			Auberr	y Rd		
		NORTH	BOUND			SOUTH	BOUND			EASTB	OUND			WESTE	BOUND		
AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	5	0	10	0	0	1	0	0	0	8	7	0	30	36	0	0	97
7:15 AM	8	1	13	0	0	0	1	0	0	21	7	0	24	46	0	0	121
7:30 AM	5	0	21	0	0	0	0	0	0	27	6	0	31	34	0	0	124
7:45 AM			21	0	0	<u> </u>	<u> </u>	0	0	25	<u> </u>	0	24	45		0	126
8:00 AM	8	0	22	0	0	0	0	0	1	25	5	0	23	33	0	0	117
8:15 AM 8:30 AM	10	1	20 27	0	0 0	1	0	0	0	27 29	3 E	0	19 22	54 36	0	0 0	136 127
8:45 AM	2	2	16	2	0	0	4	0	1	30	8	0	22	36 42	0	0	127
O.HA CH.O	3	2	10	_	U	U	7	U	1	30	O	U	21	72	U	U	129
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	49	7	150	2	0	2	7	0	2	192	46	0	194	326	0	0	977
APPROACH %'s:	23.56%	3.37%	72.12%	0.96%	0.00%	22.22%	77.78%	0.00%	0.83%	80.00%	19.17%	0.00%		62.69%	0.00%	0.00%	
PEAK HR :	(	)8:00 AM -	09:00 AM														TOTAL
PEAK HR VOL :	26	5	85	2	0	1	6	0	2	111	21	0	85	165	0	0	509
DEAK HE EACTOR .	0.650	0.625	0.707	0.0E0	0.000	0.250	0.375	0.000	0.500	0.925	0.656	0.000	0.924	0.764	0.000	0.000	
PEAK HR FACTOR :	0.650	0.625	0.787	0.250	0.000			0.000	0.500			0.000	0.924			0.000	0 936
PEAR HR FACIUR:	0.650	0.625		0.250	0.000	0.230		0.000	0.300	0.923		0.000	0.924	0.764		0.000	0.936
PEAR TR FACIUR:	0.650	0.8	68	0.250	0.000	0.43	38	0.000	0.500	0.85	59	0.000	0.924	0.85	56	0.000	0.936
		0.8	BOUND				BOUND				OUND				SOUND		0.936
PEAR HR FACTOR:	0	0.8 NORTH	BOUND 0	0	0	SOUTHI	BOUND 0	0	0	EASTB	OUND 0	0	0	WESTE 0	SOUND 0	0	
PM	0 NL	0.8 NORTH 0 NT	BOUND 0 NR	0 NU		SOUTHI 0 ST	BOUND 0 SR	0 SU	0 EL	0.85 EASTB 0 ET	OUND 0 ER	0 EU	0 WL	0.85 WESTE 0 WT	SOUND	0 WU	TOTAL
<b>PM</b> 4:00 PM	0	0.8 NORTH	BOUND 0 NR 27	0 NU 0	0	SOUTHI	BOUND 0	0 SU 0	0	0.85 0 ET 43	OUND 0	0 EU 0	0 WL 33	0.89 WESTE 0 WT 40	SOUND 0	0 WU 0	TOTAL 166
PM 4:00 PM 4:15 PM	0 NL	0.8 NORTH 0 NT	BOUND 0 NR 27 33	0 NU	0	SOUTHI 0 ST	BOUND 0 SR	0 SU	0 EL	0.85 0 ET 43 46	OUND 0 ER	0 EU	0 WL 33 26	0.85 WESTE 0 WT 40 43	SOUND 0	0 WU	TOTAL 166 174
PM 4:00 PM 4:15 PM 4:30 PM	0 NL	0.8 NORTH 0 NT	BOUND 0 NR 27 33 34	0 NU 0 0 0	0	SOUTHI 0 ST	BOUND 0 SR	0 SU 0	0 EL	0.85 0 ET 43 46 45	OUND 0 ER 10 7 6	0 EU 0 0	0 WL 33 26 29	0.85 WESTE 0 WT 40 43 37 47	SOUND 0	0 WU 0 0	TOTAL 166 174 166
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM	0 NL	0.8 NORTH 0 NT	BOUND 0 NR 27 33	0 NU 0 0	0	SOUTHI 0 ST	BOUND 0 SR	0 SU 0	0 EL	0.85 0 ET 43 46	OUND 0 ER	0 EU 0	0 WL 33 26	0.85 WESTE 0 WT 40 43 37	SOUND 0	0 WU 0 0	TOTAL 166 174
PM 4:00 PM 4:15 PM 4:30 PM	0 NL 11 7 7 4	0.8 NORTH 0 NT	BOUND 0 NR 27 33 34 35	0 NU 0 0 0	0	SOUTHI 0 ST	BOUND 0 SR	0 SU 0 0 0	0 EL	0.85 0 ET 43 46 45 54	OUND 0 ER 10 7 6 15	0 EU 0 0	0 WL 33 26 29 40	0.85 0 WT 40 43 37 47	56 BOUND 0 WR 1 0 1	0 WU 0 0 0	TOTAL 166 174 166 204
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM	0 NL 11 7 7 4	0.8 NORTH 0 NT	68 BOUND 0 NR 27 33 34 35 40 41 38	0 NU 0 0 0 0 0	0	SOUTHI 0 ST	BOUND 0 SR	0 SU 0 0 0 0	0 EL	0.85 0 ET 43 46 45 54 47	OUND 0 ER 10 7 6 15	0 EU 0 0	0 WL 33 26 29 40 27	0.85 WESTE 0 WT 40 43 37 47 61 45 26	56 BOUND 0 WR 1 0 1	0 WU 0 0 0	TOTAL 166 174 166 204 197
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM	0 NL 11 7 7 4	0.8 NORTH 0 NT	BOUND 0 NR 27 33 34 35 40 41	0 NU 0 0 0 0	0	SOUTHI 0 ST	BOUND 0 SR	0 SU 0 0 0 0	0 EL	0.85 0 ET 43 46 45 54 47 60	OUND 0 ER 10 7 6 15	0 EU 0 0	0 WL 33 26 29 40 27 24	0.85 WESTE 0 WT 40 43 37 47 61 45	56 BOUND 0 WR 1 0 1	0 WU 0 0 0 0	TOTAL 166 174 166 204 197 194
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM	0 NL 11 7 7 4 3 9 2	0.89  NORTH  0  NT  0 3 1 0 0 0 1 0 0	68 BOUND 0 NR 27 33 34 35 40 41 38 24	0 NU 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3	BOUND 0 SR 0 5 2 3 3 2 0 1	0 SU 0 0 0 0 0	0 EL 0 3 0 1 0 1 2	0.85 0 ET 43 46 45 54 47 60 43 47	OUND 0 ER 10 7 6 15 13 8 3 6	0 EU 0 0 0 0 0 2 0	0 WL 33 26 29 40 27 24 38 24	0.85 WESTE 0 WT 40 43 37 47 61 45 26 32	56 BOUND 0 WR 1 0 1 2 0 0 0	0 WU 0 0 0 0	TOTAL 166 174 166 204 197 194 153 139
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM	0 NL 11 7 7 4 3 9 2 1	0.8 NORTH 0 NT	BOUND 0 NR 27 33 34 35 40 41 38 24	0 NU 0 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3	BOUND 0 SR 0 5 2 3 3 2 0 1	0 SU 0 0 0 0 0 0	0 EL 0 3 0 1 0 1 2 0	0.85  EASTB  0  ET  43  46  45  54  47  60  43  47	OUND 0 ER 10 7 6 15 13 8 3 6	0 EU 0 0 0 0 0 2 0 1	0 WL 33 26 29 40 27 24 38 24	0.85 WESTE 0 WT 40 43 37 47 61 45 26 32	56 BOUND 0 WR 1 0 1 2 0 0 0 0 WR	0 WU 0 0 0 0 0	TOTAL  166 174 166 204 197 194 153 139  TOTAL
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM	0 NL 11 7 7 4 3 9 2 1	0.89  NORTH  0  NT  0 3 1 0 0 1 0 NT  5	BOUND 0 NR 27 33 34 35 40 41 38 24  NR 272	0 NU 0 0 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3 ST 10	BOUND 0 SR 0 5 2 3 3 2 0 1 SR 16	0 SU 0 0 0 0 0 0	0 EL 0 3 0 1 0 1 2 0	0.85 0 ET 43 46 45 54 47 60 43 47 ET 385	OUND 0 ER 10 7 6 15 13 8 3 6 ER 68	0 EU 0 0 0 0 0 2 0 1	0 WL 33 26 29 40 27 24 38 24 WL 241	0.89 WESTE 0 WT 40 43 37 47 61 45 26 32 WT 331	56 BOUND 0 WR 1 0 1 2 0 0 0 0	0 WU 0 0 0 0 0 0	TOTAL  166 174 166 204 197 194 153 139  TOTAL 1393
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM  TOTAL VOLUMES: APPROACH %'s:	0 NL 11 7 7 4 3 9 2 1 NL 44 13.71%	0.89  NORTH  O  NT  O  3  1  O  O  NT  5  1.56%	BOUND 0 NR 27 33 34 35 40 41 38 24  NR 272 84.74%	0 NU 0 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3	BOUND 0 SR 0 5 2 3 3 2 0 1	0 SU 0 0 0 0 0 0	0 EL 0 3 0 1 0 1 2 0	0.85  EASTB  0  ET  43  46  45  54  47  60  43  47	OUND 0 ER 10 7 6 15 13 8 3 6	0 EU 0 0 0 0 0 2 0 1	0 WL 33 26 29 40 27 24 38 24 WL 241	0.85 WESTE 0 WT 40 43 37 47 61 45 26 32	56 BOUND 0 WR 1 0 1 2 0 0 0 0 WR	0 WU 0 0 0 0 0	TOTAL  166 174 166 204 197 194 153 139  TOTAL 1393
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM  TOTAL VOLUMES: APPROACH %'s: PEAK HR:	0 NL 11 7 7 4 3 9 2 1 NL 44 13.71%	0.89  NORTH  0  NT  0 3 1 0 0 1 0 0  NT 5 1.56%	BOUND 0 NR 27 33 34 35 40 41 38 24  NR 272 84.74%  05:30 PM	0 NU 0 0 0 0 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0 0 SL 7 21.21%	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3 ST 10 30.30%	BOUND 0 SR 0 5 2 3 3 2 0 1 SR 16 48.48%	0 SU 0 0 0 0 0 0 0 0 0	0 EL 0 3 0 1 0 1 2 0	EASTB 0 ET 43 46 45 54 47 60 43 47 ET 385 83.15%	OUND 0 ER 10 7 6 15 13 8 3 6 ER 68 14.69%	0 EU 0 0 0 0 0 2 0 1 EU 3 0.65%	0 WL 33 26 29 40 27 24 38 24 WL 241 41.84%	0.89 WESTE 0 WT 40 43 37 47 61 45 26 32 WT 331 57.47%	56 BOUND 0 WR 1 0 1 2 0 0 0 0 0 WR 4 0.69%	0 WU 0 0 0 0 0 0 0 0 0 0	TOTAL 166 174 166 204 197 194 153 139  TOTAL 1393
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM  TOTAL VOLUMES: APPROACH %'s: PEAK HR: PEAK HR VOL:	0 NL 11 7 7 4 3 9 2 1 NL 44 13.71%	0.89  NORTH  0  NT  0  3  1  0  0  1  0  NT  5  1.56%  04:30 PM -	BOUND 0 NR 27 33 34 35 40 41 38 24  NR 272 84.74%  05:30 PM 150	0 NU 0 0 0 0 0 0 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0 0 SL 7 21.21%	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3 ST 10 30.30%	BOUND 0 SR 0 5 2 3 3 2 0 1 SR 16 48.48%	0 SU 0 0 0 0 0 0 0 0 0 0 0	0 EL 0 3 0 1 0 1 2 0 EL 7 1.51%	0.85  EASTB 0 ET 43 46 45 54 47 60 43 47  ET 385 83.15%	OUND 0 ER 10 7 6 15 13 8 3 6 ER 68 14.69%	0 EU 0 0 0 0 2 0 1 EU 3 0.65%	0 WL 33 26 29 40 27 24 38 24 WL 241 41.84%	0.85 WESTE 0 WT 40 43 37 47 61 45 26 32 WT 331 57.47%	56 BOUND 0 WR 1 0 1 2 0 0 0 0 0 0 WR 4 0.69%	0 WU 0 0 0 0 0 0 0 0 0 0 0	TOTAL 166 174 166 204 197 194 153 139  TOTAL 1393
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM  TOTAL VOLUMES: APPROACH %'s: PEAK HR:	0 NL 11 7 7 4 3 9 2 1 NL 44 13.71%	0.89  NORTH  0  NT  0 3 1 0 0 1 0 0  NT 5 1.56%	BOUND 0 NR 27 33 34 35 40 41 38 24  NR 272 84.74%  05:30 PM 150 0.915	0 NU 0 0 0 0 0 0 0 0 0	0 SL 1 1 2 2 0 1 0 0 0 SL 7 21.21%	0.43 SOUTHI 0 ST 0 0 2 1 3 0 1 3 ST 10 30.30%	BOUND 0 SR 0 5 2 3 3 2 0 1 SR 16 48.48%	0 SU 0 0 0 0 0 0 0 0 0	0 EL 0 3 0 1 0 1 2 0	EASTB 0 ET 43 46 45 54 47 60 43 47 ET 385 83.15%	OUND 0 ER 10 7 6 15 13 8 3 6 ER 68 14.69%	0 EU 0 0 0 0 0 2 0 1 EU 3 0.65%	0 WL 33 26 29 40 27 24 38 24 WL 241 41.84%	0.89 WESTE 0 WT 40 43 37 47 61 45 26 32 WT 331 57.47%	56 BOUND 0 WR 1 0 1 2 0 0 0 0 0 WR 4 0.69%	0 WU 0 0 0 0 0 0 0 0 0 0	TOTAL 166 174 166 204 197 194 153 139  TOTAL 1393

# Intersection Turning Movement Count

**Location:** SR 168/Morgan Canyon Rd & Auberry Rd **City:** Prather

0.000

0.000

0.000

0.00

PEAK HR FACTOR :

0.000

Control: 4-Way Yield

**Project ID:** 20-07064-001 **Date:** 2/19/2020

DIKE	-

NS/EW Streets:	S	R 168/Morga	an Canyon	Rd	SR	t 168/Morg	an Canyon	Rd		Auber	rry Rd			Auber	ry Rd		
		NORTH	HBOUND			SOUT	HBOUND		8 * * * * * * * * * * * * * * * * * * *	EAST	BOUND			WEST	BOUND		
AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
,	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES : APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR :		08:00 AM	- 09:00 AM														TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
			10011110		I	20117											
D 0 4			HBOUND	•			HBOUND			EAST	BOUND				BOUND	•	
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
4 00 PM	NL_	NT O	NR	NU	SL	ST	SR	SU	EL	<u>ET</u>	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM 4:45 PM	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0 0	0
5:00 PM	0	0	0	0	0	0	0	0	0	<u> </u>	0	0	0	0	0	0	0
	0	0	n	•	0	0	0	0	0	n	n	n	0	0	n	0	0
5:15 PM 5:30 PM	0	0	n	0	0	0	0	0	0	n	n	0	0	0	n	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APPROACH %'s:																	
PEAK HR :		04:30 PM	- 05:30 PM														TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.000

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# Intersection Turning Movement Count

Location: SR 168/Morgan Canyon Rd & Auberry Rd
City: Prather

Project ID: 20-07064-001
Date: 2/19/2020

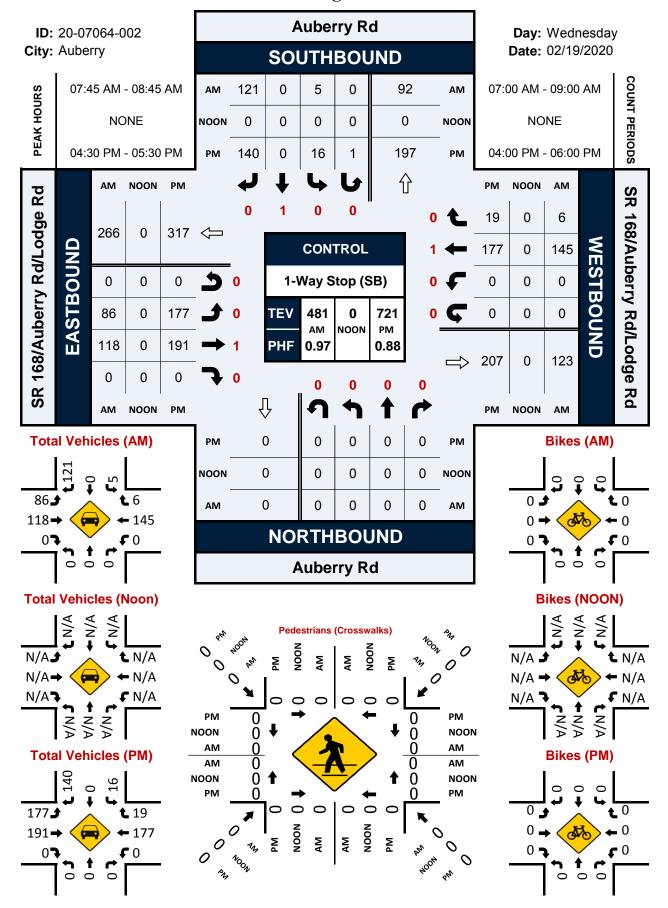
# **Pedestrians (Crosswalks)**

NS/EW Streets:	_	gan Canyon .d		rgan Canyon Rd	Auber	•	Auber	ry Rd	
AM		H LEG		'H LEG	EAST		WEST		
Alvi	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	1	0	0	0	1
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES:	0	0	0	0	1	0	0	0	1
APPROACH %'s:					100.00%	0.00%			
PEAK HR:	08:00 AM	- 09:00 AM							TOTAL
PEAK HR VOL:	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR:									

DNA	NORT	'H LEG	SOUT	H LEG	EAST	「LEG	WEST	Γ LEG	
PM	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s :									
PEAK HR :	04:30 PM	- 05:30 PM							TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

## Auberry Rd & SR 168/Auberry Rd/Lodge Rd

### **Peak Hour Turning Movement Count**



Intersection Turning Movement Count

Location: Auberry Rd & SR 168/Auberry Rd/Lodge Rd

City: Auberry

Control 1997 **Project ID:** 20-07064-002 Control: 1-Way Stop (SB) **Date:** 2/19/2020

control.	,							To	tal						., 15, 2020		_
NS/EW Streets:		Aube	rry Rd			Auberr	y Rd		SR 1	68/Auberry	Rd/Lodge	Rd	SR 1	68/Auberry	Rd/Lodge	Rd	
		NORT	HBOUND			SOUTH	BOUND			EASTB	OUND			WESTB	OUND		
AM	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
,	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	39	0	6	17	0	0	0	27	1	0	90
7:15 AM	0	0	0	0	1	0	30	0	14	20	0	0	0	36	1	0	102
7:30 AM	0	0	0	0	0	0	38	0	18	24	0	0	0	29	0	0	109
7:45 AM	0	0	0	0	2	0	29	0	17	29	0	0	0	43	2	0	122
8:00 AM	0	0	0	0	0	0	25	0	23	28	0	0	0	38	1	0	115
8:15 AM	0	0	0	0	2	0	29	0	19	29	0	0	0	43	2	0	124
8:30 AM	0	0	0	0	1	0	38	0	27	32	0	0	0	21	1	0	120
8:45 AM	0	0	0	0	5	0	27	0	19	24	0	0	0	36	2	0	113
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES :	0	0	0	0	11	0	255	0	143	203	0	0	0	273	10	0	895
APPROACH %'s:					4.14%	0.00%	95.86%	0.00%	41.33%	58.67%	0.00%	0.00%	0.00%	96.47%	3.53%	0.00%	
PEAK HR :		07:45 AM	- 08:45 AM														TOTAL
PEAK HR VOL :	0	0	0	0	5	0	121	0	86	118	0	0	0	145	6	0	481
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.625	0.000	0.796	0.000	0.796	0.922	0.000	0.000	0.000	0.843	0.750	0.000	
FLAKTIK I ACTOR .	0.000	0.000	0.000	0.000	0.025	0.000	0.790	0.000	0.790	0.922	0.000	0.000	0.000	0.043	0.750	0.000	0.070
PLAKTIKT ACTOR!	0.000	0.000	0.000	0.000	0.025	0.000		0.000	0.796	0.922		0.000	0.000	0.83		0.000	0.970
PLAKTIKT ACTOR!	0.000			0.000	0.023	0.80	08	0.000	0.796	0.86	54	0.000	0.000	0.83	39	0.000	0.970
			HBOUND				BOUND				OUND				OUND		0.970
PM	0	NORTI 0	HBOUND 0	0	0	SOUTH	BOUND 0	0	0	0.86 EASTB	OUND 0	0	0	0.83 WESTB	OUND 0	0	
PM	0 NL		HBOUND 0 NR	0 NU		0.80	BOUND 0 SR	0 SU	0 EL	0.86 EASTB 1 ET	OUND 0 ER	0 EU		0.83 WESTB 1 WT	OUND	0 WU	TOTAL
<b>PM</b> 4:00 PM	0	NORTI 0	HBOUND 0	0	0	SOUTH	BOUND 0 SR 33	0 SU 0	0 EL 30	0.86 EASTB 1 ET 41	OUND 0	0	0	0.83 WESTB 1 WT 33	OUND 0	0	TOTAL 139
PM 4:00 PM 4:15 PM	0 NL	NORTI 0	HBOUND 0 NR	0 NU 0	0	SOUTH	D8  BOUND  0  SR  33  34	0 SU	0 EL 30 34	0.86 EASTB 1 ET 41 46	OUND 0 ER	0 EU 0	0	0.83 WESTB 1 WT 33 32	OUND 0	0 WU 0	TOTAL 139 153
PM 4:00 PM 4:15 PM 4:30 PM	0 NL	NORTI 0	HBOUND 0 NR	0 NU 0	0	SOUTH	BOUND 0 SR 33	0 SU 0	0 EL 30	0.86 EASTB 1 ET 41	OUND 0 ER	0 EU 0	0	0.83 WESTB 1 WT 33	OUND 0	0 WU 0	TOTAL 139
PM 4:00 PM 4:15 PM	0 NL 0 0	NORTI 0 NT 0 0	HBOUND  O  NR  O  O  O	0 NU 0 0	0	SOUTH 1 ST 0 0	D8 BOUND 0 SR 33 34 36	0 SU 0 0	0 EL 30 34 35	0.86 1 ET 41 46 50	OUND 0 ER 0 0	0 EU 0 0	0 WL 0 0	0.83 WESTB 1 WT 33 32 35	OUND 0	0 WU 0 0	TOTAL 139 153 161
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM	0 NL 0 0	NORTI 0 NT 0 0	HBOUND  O  NR  O  O  O  O	0 NU 0 0 0	0	SOUTH 1 ST 0 0	D8  BOUND  0  SR  33  34  36  41	0 SU 0 0 0	0 EL 30 34 35 54	0.86 EASTB 1 ET 41 46 50 44	OUND 0 ER 0 0	0 EU 0 0 0	0 WL 0 0	0.83 WESTB 1 WT 33 32 35 60	OUND 0	0 WU 0 0 0	TOTAL 139 153 161 205
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM	0 NL 0 0	NORTI 0 NT 0 0	HBOUND  O  NR  O  O  O  O	0 NU 0 0 0 0	0 SL 1 3 2 1	SOUTH 1 ST 0 0	D8  BOUND  0  SR  33  34  36  41  33  30  23	0 SU 0 0 0	0 EL 30 34 35 54 38	0.86 EASTB 1 ET 41 46 50 44 40	OUND 0 ER 0 0	0 EU 0 0 0	0 WL 0 0	0.83 WESTB 1 WT 33 32 35 60 40	OUND 0	0 WU 0 0 0	TOTAL 139 153 161 205 162
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM	0 NL 0 0	NORTI 0 NT 0 0	HBOUND 0 NR 0 0 0 0 0 0 0	0 NU 0 0 0 0	0 SL 1 3 2 1 5	SOUTH 1 ST 0 0	D8  BOUND  0  SR  33  34  36  41  33  30	0 SU 0 0 0 0	0 EL 30 34 35 54 38 50	0.86  EASTB  1  ET  41  46  50  44  40  57	OUND 0 ER 0 0	0 EU 0 0 0	0 WL 0 0	0.83 WESTB 1 WT 33 32 35 60 40 42	OUND 0	0 WU 0 0 0 0	TOTAL 139 153 161 205 162 193
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM	0 NL 0 0	NORTI 0 NT 0 0	HBOUND 0 NR 0 0 0 0 0 0 0 0	0 NU 0 0 0 0	0 SL 1 3 2 1 5 8 5 2	0.80 SOUTH 1 ST 0 0 0 0 0 0	D8  BOUND  0  SR  33  34  36  41  33  30  23	0 SU 0 0 0 0 0	0 EL 30 34 35 54 38 50 39	0.86 EASTB 1 ET 41 46 50 44 40 57 43	OUND 0 ER 0 0 0 0 0 0 0 0	0 EU 0 0 0 0	0 WL 0 0	0.83 WESTB 1 WT 33 32 35 60 40 42 38	OUND 0	0 WU 0 0 0 0	TOTAL 139 153 161 205 162 193 156
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM	0 NL 0 0 0 0 0	NORTI 0 NT 0 0 0 0 0 0 0 0 0	HBOUND 0 NR 0 0 0 0 0 0 0 0 0	0 NU 0 0 0 0 0	0 SL 1 3 2 1 5 8 5	0.80 SOUTH  1 ST 0 0 0 0 0 0 0	D8  BOUND  0  SR  33  34  36  41  33  30  23  23	0 SU 0 0 0 0 0	0 EL 30 34 35 54 38 50 39 36	0.86 EASTB 1 ET 41 46 50 44 40 57 43 37	OUND 0 ER 0 0 0 0 0 0 0 0 0 0	0 EU 0 0 0 0 0	0 WL 0 0 0 0 0	0.83 WESTB  1 WT 33 32 35 60 40 42 38 30	OUND 0 WR 1 4 3 5 6 5 8 2	0 WU 0 0 0 0	TOTAL 139 153 161 205 162 193 156 130
PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM	0 NL 0 0 0 0 0 0	NORTI 0 NT 0 0 0 0 0 0 0 0 0	HBOUND  0  NR  0 0 0 0 0 0 0 0 NR	0 NU 0 0 0 0 0 0	0 SL 1 3 2 1 5 8 5 2	0.80 SOUTH  1 ST 0 0 0 0 0 0 0 The state of	D8  BOUND  O  SR  33  34  36  41  33  30  23  23  SR	0 SU 0 0 0 0 0	0 EL 30 34 35 54 38 50 39 36 EL 316	0.86  EASTB  1  ET  41  46  50  44  40  57  43  37	OUND  O ER  O O O O O O O O ER	0 EU 0 0 0 0 0	0 WL 0 0 0 0 0 0	0.83  WESTB  1  WT  33  32  35  60  40  42  38  30  WT	OUND 0 WR 1 4 3 5 6 5 8 2	0 WU 0 0 0 0 0	TOTAL 139 153 161 205 162 193 156 130  TOTAL 1299
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM	0 NL 0 0 0 0 0 0	NORTI 0 NT 0 0 0 0 0 0 0 0 NT 0 0 0 0 0 0 0 0	HBOUND  0  NR  0 0 0 0 0 0 0 0 NR	0 NU 0 0 0 0 0 0	0 SL 1 3 2 1 5 8 5 2	0.80 SOUTH  1 ST 0 0 0 0 0 0 ST 0	D8  BOUND  0  SR  33  34  36  41  33  30  23  23  SR  253	0 SU 0 0 0 0 0 1 0 0	0 EL 30 34 35 54 38 50 39 36 EL 316	0.86  EASTB  1  ET  41  46  50  44  40  57  43  37  ET  358	OUND 0 ER 0 0 0 0 0 0 0 0 ER 0	0 EU 0 0 0 0 0 0	0 WL 0 0 0 0 0 0	0.83 WESTB 1 WT 33 32 35 60 40 42 38 30 WT 310	OUND 0 WR 1 4 3 5 6 5 8 2 WR 34	0 WU 0 0 0 0 0 0	TOTAL 139 153 161 205 162 193 156 130  TOTAL 1299
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM  TOTAL VOLUMES: APPROACH %'s:	0 NL 0 0 0 0 0 0 0 0 0	NORTI 0 NT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HBOUND 0 NR 0 0 0 0 0 0 0 0 0 - 05:30 PM 0	0 NU 0 0 0 0 0 0 0 0	0 SL 1 3 2 1 5 8 5 2 SL 27 9.61%	0.80 SOUTH  1 ST 0 0 0 0 0 0 0 ST 0 0.00%	D8  BOUND  0  SR  33  34  36  41  33  30  23  23  SR  253  90.04%	0 SU 0 0 0 0 0 1 0 0 SU 1 0.36%	0 EL 30 34 35 54 38 50 39 36 EL 316 46.88%	0.86  EASTB  1  ET  41  46  50  44  40  57  43  37  ET  358  53.12%	OUND  O ER  O O O O O O O O O O O O O O O O	0 EU 0 0 0 0 0 0 0 0 0	0 WL 0 0 0 0 0 0 0 0 0 0 0 0	0.83 WESTB 1 WT 33 32 35 60 40 42 38 30 WT 310 90.12%	OUND 0 WR 1 4 3 5 6 5 8 2 WR 34 9.88%	0 WU 0 0 0 0 0 0 0 0 0 0 0	TOTAL 139 153 161 205 162 193 156 130  TOTAL 1299
PM  4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM  TOTAL VOLUMES: APPROACH %'s: PEAK HR:	0 NL 0 0 0 0 0 0 0	NORTI 0 NT 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	HBOUND 0 NR 0 0 0 0 0 0 0 0 0 - 0 0 0 0 0 0 0 0 0	0 NU 0 0 0 0 0 0 0	0 SL 1 3 2 1 5 8 5 2 SL 27 9.61%	0.80 SOUTH  1 ST 0 0 0 0 0 0 0 ST 0 0.00%	D8  BOUND  O  SR  33  34  36  41  33  30  23  23  SR  253  90.04%  140  0.854	0 SU 0 0 0 0 1 0 0 SU 1 0.36%	0 EL 30 34 35 54 38 50 39 36 EL 316 46.88%	0.86  EASTB  1  ET  41  46  50  44  40  57  43  37  ET  358  53.12%	OUND  O ER  O O O O O O O O O O O O O O O O	0 EU 0 0 0 0 0 0 0	0 WL 0 0 0 0 0 0 0 0 0 0 0	0.83 WESTB 1 WT 33 32 35 60 40 42 38 30 WT 310 90.12%	OUND 0 WR 1 4 3 5 6 5 8 2 WR 34 9.88%	0 WU 0 0 0 0 0 0 0 0 0 0	TOTAL 139 153 161 205 162 193 156 130  TOTAL 1299

# Intersection Turning Movement Count

Location: Auberry Rd & SR 168/Auberry Rd/Lodge Rd

0.000

0.000

0.00

PEAK HR FACTOR:

0.000

0.000

City: Auberry
Control: 1-Way Stop (SB)

**Project ID:** 20-07064-002 **Date:** 2/19/2020

0.000

0.000

0.000

D	110	
n	K 8	

NS/EW Streets:		Aube	rry Rd			Aube	rry Rd		SR	168/Auberr	y Rd/Lodge	e Rd	SR	168/Auberr	y Rd/Lodge	e Rd	
AM	0	NORTI 0	HBOUND 0	0	0	SOUTH 1	HBOUND 0	0	0	EAST	BOUND 0	0	0	WEST 1	BOUND 0	0	
,	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES : APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR :		07:45 AM	- 08:45 AM		07145 /411												TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		NORTI	HBOUND			SOUTH	HBOUND			EAST	BOUND			WEST	BOUND		
PM	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES : APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR :		04:30 PM	- 05:30 PM														TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

# Intersection Turning Movement Count

Location: Auberry Rd & SR 168/Auberry Rd/Lodge Rd
City: Auberry
Date: 2/19/2020

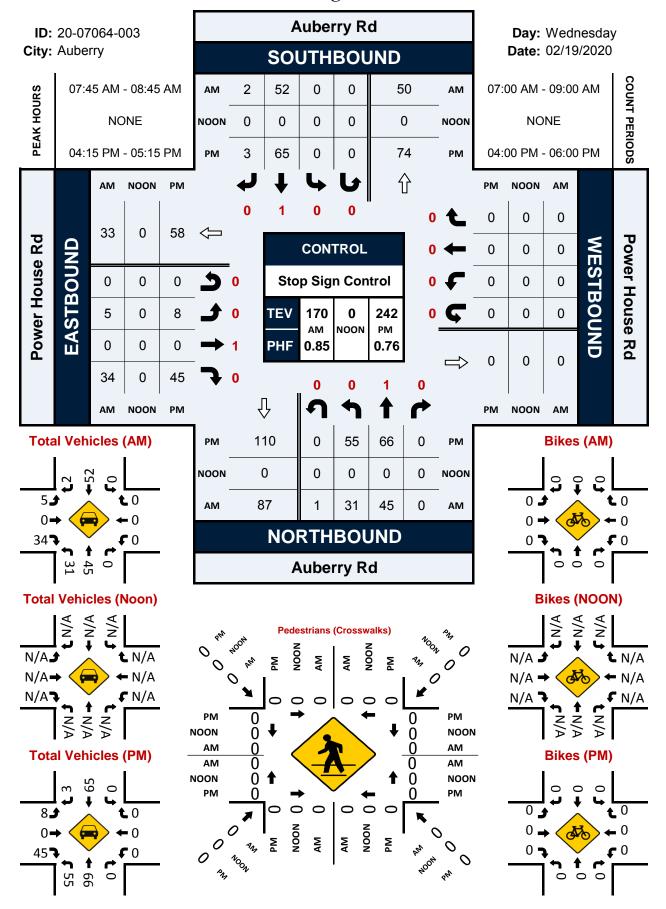
# **Pedestrians (Crosswalks)**

NS/EW Streets:	•		Aube	erry Rd		erry Rd/Lodge Rd	SR 168/Aube R		
AM	NORT	'H LEG	SOUT	TH LEG	EAST	Γ LEG	WES	Γ LEG	
Alvi	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES:	0	0	0	0	0	0	0	0	0
APPROACH %'s:									
PEAK HR:	07:45 AM	- 08:45 AM	0724578						TOTAL
PEAK HR VOL:	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR:									

DNA	NORTH LEG		SOUTH LEG		EAST	LEG	WEST		
PM	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s :									
PEAK HR :	04:30 PM	- 05:30 PM							TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

## Auberry Rd & Power House Rd

### **Peak Hour Turning Movement Count**



Intersection Turning Movement Count

City: Auberry

Control City 2 **Project ID:** 20-07064-003 **Control:** Stop Sign Control **Date:** 2/19/2020

	Stop Sign (	SOTICI OI						To	tal					Date	2/13/2020		
NS/EW Streets:	Auberry Rd Auberry Rd							Power House Rd				Power House Rd					
AM	NORTHBOUND  O 1 0 0  NU NIT NIP NU			SOUTHBOUND 0 1 0 0			EASTBOUND  0 1 0 0			WESTBOUND 0			TOTAL				
7:00 AM 7:15 AM 7:30 AM 7:45 AM 8:00 AM 8:15 AM	NL 4 9 4 9 6 8	NT 3 4 12 10 8 11	NR 0 0 0 0 0	NU 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0	SL 0 0 0 0 0	ST 11 12 6 12 15 11	SR 1 3 3 1 0	SU 0 0 0 0 0	EL 0 1 0 2 0 2 1	0 0 0 0 0 0	ER 12 13 13 8 9 7	EU 0 0 0 0 0	WL 0 0 0 0 0	WT 0 0 0 0 0 0 0	WR 0 0 0 0 0	WU 0 0 0 0 0	31 42 38 42 39 39
8:30 AM 8:45 AM	8 4 NL	16 11 NT	0 0 NR	0 0 NU	0 0 SL	14 7 ST	1 1 SR	0 0 SU	0 EL	0 0 ET	10 10 ER	0 0 EU	0 0 WL	0 0 WT	0 0 WR	0 0 WU	50 33 TOTAL
TOTAL VOLUMES : APPROACH %'s : PEAK HR : PEAK HR VOL :	52 40.63% 31	75 58.59% <b>07:45 AM -</b> 45	0 0.00% <b>08:45 AM</b> 0	1 0.78% 1	0 0.00% 0	88 89.80%	10 10.20%	0 0.00% 0	6 6.82% 5	0 0.00%	82 93.18% 34	0 0.00% 0	0	0	0	0	314 TOTAL 170
PEAK HR FACTOR :	0.861	0.703		0.250	0.000	0.867		0.000	0.625	0.000		0.000	0.000	0.000	0.000	0.000	0.850
PM	0 NL	1 NT	IBOUND <mark>0</mark> NR	<mark>0</mark> NU	0 SL	SOUTH 1 ST	0 SR	<mark>0</mark> SU	0 EL	1 ET	OUND 0 ER	<mark>0</mark> EU	0 WL	WEST 0 WT	BOUND 0 WR	0 WU	TOTAL
4:00 PM 4:15 PM 4:30 PM 4:45 PM	13 9 13 14	19 14 11 19	0 0 0	1 0 0 0	0 0 0	16 16 12 13	0 1 0 1	0 0 0	1 2 3 2	0 0 0	12 9 11 12	0 0 0	0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	62 51 50 61
5:00 PM 5:15 PM 5:30 PM 5:45 PM	19 6 17 12	22 17 15 17	0 0 0	0 0 0	0 0 0 0	24 8 8 8	5 0 2	0 0 0	1 1 1 0	0 0 0	13 12 8 7	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	80 49 49 46
TOTAL VOLUMES : APPROACH %'s :	NL 103 43.28%	NT 134 56.30%	NR 0 0.00%	NU 1 0.42%	SL 0 0.00%	ST 105 91.30%	SR 10 8.70%	SU 0 0.00%	EL 11 11.58%	ET 0 0.00%	ER 84 88.42%	EU 0 0.00%	WL 0	WT 0	WR 0	WU 0	TOTAL 448
PEAK HR : PEAK HR VOL : PEAK HR FACTOR :	55 0.724	04:15 PM - 66 0.750 0.7	0 0.000	0 0.000	0 0.000	65 0.677 0.68	3 0.750 30	0 0.000	8 0.667	0 0.000 0.9	45 0.865 46	0 0.000	0 0.000	0 0.000	0 0.000	0 0.000	TOTAL 242 0.756

# Intersection Turning Movement Count

Location: Auberry Rd & Power House Rd
City: Auberry
Control: Stop Sign Control

**Project ID:** 20-07064-003 **Date:** 2/19/2020

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NS/EW Streets:	Auberry Rd				Auberry Rd Power House Rd Power House					louse Rd							
		NORTI	HBOUND		SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	0	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	
,	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
TOTAL VOLUMES : APPROACH %'s :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR :		07:45 AM	- 08:45 AM														TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
		NORTI	HBOUND			SOUTI	HBOUND			EAST	BOUND			WEST	BOUND		
PM	0	NORTI	HBOUND 0	0	0	SOUTI 1	HBOUND 0	0	0	EAST 1	BOUND 0	0	0	WEST 0	BOUND 0	0	
PM	0 NL	NORTI 1 NT		0 NU	0 SL	SOUTH 1 ST		0 SU	0 EL	EAST 1 ET		0 EU	0 WL	WEST 0 WT		0 WU	TOTAL
<b>PM</b> 4:00 PM		1	0		1	1	0		1	1	0			0	0		TOTAL 0
4:00 PM 4:15 PM	NL	1	0 NR	NU	SL	1 ST	0 SR	SU	1	1 ET	0	EU		0	0 WR	WU	1
4:00 PM 4:15 PM 4:30 PM	NL 0	1	0 NR 0	NU	SL 0	ST 0	0 SR	SU 0	1	1 ET	0	EU		0	0 WR	WU	0
4:00 PM 4:15 PM 4:30 PM 4:45 PM	NL 0	1	0 NR 0 0 0	NU 0 0 0 0	SL 0 0 0 0	1 ST 0 0 0 0	0 SR 0 0 0	SU 0 0 0 0	1	1 ET 0 0 0 0	0	EU 0 0 0 0		0	0 WR 0 0 0	WU 0 0 0 0	0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM	NL 0 0 0 0 0	1 NT 0 0 0 0 0	0 NR 0 0 0 0	NU 0 0 0 0 0	SL 0 0 0 0 0	1 ST 0 0 0	0 SR 0 0	SU 0 0 0 0 0	1	1 ET	0	0 0 0 0 0	WL 0 0 0 0	0	0 WR 0 0	WU	0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM	NL 0 0 0 0 0	1	0 NR 0 0 0 0	NU 0 0 0 0 0	SL 0 0 0 0 0	1 ST 0 0 0 0	0 SR 0 0 0 0	SU 0 0 0 0 0	1	1 ET 0 0 0 0	0	EU 0 0 0 0 0	WL 0 0 0 0	0	0 WR 0 0 0	WU 0 0 0 0	0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM	NL 0 0 0 0 0 0	1 NT 0 0 0 0 0 0	0 NR 0 0 0 0 0	NU 0 0 0 0 0 0	SL 0 0 0 0 0 0	1 ST 0 0 0 0 0 0	0 SR 0 0 0 0 0	SU 0 0 0 0 0 0	EL 0 0 0 0 0 0	1 ET 0 0 0 0 0 0	0	EU 0 0 0 0 0 0	WL 0 0 0 0	0 WT 0 0 0 0 0	0 WR 0 0 0 0 0	WU 0 0 0 0 0	0 0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM	NL 0 0 0 0 0	1 NT 0 0 0 0 0	0 NR 0 0 0 0	NU 0 0 0 0 0	SL 0 0 0 0 0	1 ST 0 0 0 0	0 SR 0 0 0 0	SU 0 0 0 0 0	1	1 ET 0 0 0 0 0	0	EU 0 0 0 0 0	WL 0 0 0 0	0	0 WR 0 0 0 0	WU 0 0 0 0	0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM	NL 0 0 0 0 0 0	1 NT 0 0 0 0 0 0	0 NR 0 0 0 0 0 0	NU 0 0 0 0 0 0 0	SL 0 0 0 0 0 0	1 ST 0 0 0 0 0 0 0	0 SR 0 0 0 0 0	SU 0 0 0 0 0 0 0	EL 0 0 0 0 0 0	1 ET 0 0 0 0 0 0 0	0 ER 0 0 0 0 0 0	EU 0 0 0 0 0 0	WL 0 0 0 0 0 0	0 WT 0 0 0 0 0	0 WR 0 0 0 0 0	WU 0 0 0 0 0 0	0 0 0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM	NL 0 0 0 0 0 0 0	1 NT 0 0 0 0 0 0	0 NR 0 0 0 0 0	NU 0 0 0 0 0 0	SL 0 0 0 0 0 0	1 ST 0 0 0 0 0 0	0 SR 0 0 0 0 0	SU 0 0 0 0 0 0	EL 0 0 0 0 0 0	1 ET 0 0 0 0 0 0	0	EU 0 0 0 0 0 0	WL 0 0 0 0 0 0 0	0 WT 0 0 0 0 0	0 WR 0 0 0 0 0	WU 0 0 0 0 0	0 0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM	NL 0 0 0 0 0 0 0 0	1 NT 0 0 0 0 0 0 0	0 NR 0 0 0 0 0 0 0	NU 0 0 0 0 0 0 0 0 0 0 0 NU	SL 0 0 0 0 0 0 0	1 ST 0 0 0 0 0 0 0 0	0 SR 0 0 0 0 0 0 0 0	SU 0 0 0 0 0 0 0	EL 0 0 0 0 0 0 0	1 ET 0 0 0 0 0 0 0	0 ER 0 0 0 0 0 0	EU 0 0 0 0 0 0 0	WL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WT 0 0 0 0 0 0	0 WR 0 0 0 0 0 0 0	WU 0 0 0 0 0 0	0 0 0 0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM TOTAL VOLUMES: APPROACH %'s:	NL 0 0 0 0 0 0 0 0	1 NT 0 0 0 0 0 0 0	0 NR 0 0 0 0 0 0 0 0 0 0	NU 0 0 0 0 0 0 0 0 0	SL 0 0 0 0 0 0 0 0 SL 0	1 ST 0 0 0 0 0 0 0 0 ST 0	0 SR 0 0 0 0 0 0 0 SR 0	SU 0 0 0 0 0 0 0	EL 0 0 0 0 0 0 0	1 ET 0 0 0 0 0 0 0 0	0 ER 0 0 0 0 0 0	EU 0 0 0 0 0 0 0	WL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WT 0 0 0 0 0 0	0 WR 0 0 0 0 0 0 0	WU 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0
4:00 PM 4:15 PM 4:30 PM 4:45 PM 5:00 PM 5:15 PM 5:30 PM 5:45 PM TOTAL VOLUMES : APPROACH %'s :	NL 0 0 0 0 0 0 0 0	1 NT 0 0 0 0 0 0 0 0 0	0 NR 0 0 0 0 0 0 0 0 0 0	NU 0 0 0 0 0 0 0 0 0	SL 0 0 0 0 0 0 0	1 ST 0 0 0 0 0 0 0 0	0 SR 0 0 0 0 0 0 0 0	SU 0 0 0 0 0 0 0	EL 0 0 0 0 0 0 0	1 ET 0 0 0 0 0 0 0	0 ER 0 0 0 0 0 0	EU 0 0 0 0 0 0 0	WL 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 WT 0 0 0 0 0 0	0 WR 0 0 0 0 0 0 0	WU 0 0 0 0 0 0	0 0 0 0 0 0 0 0 TOTAL 0

# Intersection Turning Movement Count

**Location:** Auberry Rd & Power House Rd **City:** Auberry **Date:** 2/19/2020

# **Pedestrians (Crosswalks)**

NS/EW Streets:	: Auberry Rd		Aube	rry Rd	Power H	ouse Rd	Power H		
AM	NORT EB	H LEG WB	SOUT EB	TH LEG WB	EAST NB	LEG SB	WEST NB	LEG SB	TOTAL
7:00 AM 7:15 AM 7:30 AM 7:45 AM 8:00 AM 8:15 AM 8:30 AM 8:45 AM	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0
TOTAL VOLUMES: APPROACH %'s: PEAK HR: PEAK HR VOL: PEAK HR FACTOR:	EB 0 <b>07:45 AM</b> 0	WB 0 - <b>08:45 AM</b> 0	EB 0	WB 0	NB 0	SB 0	NB 0	SB 0	TOTAL 0 TOTAL 0

DM	NORTH LEG		SOUTH LEG		EAST	LEG	WES		
PM	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
4:00 PM	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0
4:30 PM	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0
	EB	WB	EB	WB	NB	SB	NB	SB	TOTAL
TOTAL VOLUMES :	0	0	0	0	0	0	0	0	0
APPROACH %'s:									
PEAK HR :	04:15 PM	- 05:15 PM							TOTAL
PEAK HR VOL :	0	0	0	0	0	0	0	0	0
PEAK HR FACTOR :									

Intersection						
Int Delay, s/veh	3.4					
		EDD	NIDI	NDT	CDT	CDD
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	Y	2.4	22	<u>ન</u>	<b>♣</b>	2
Traffic Vol, veh/h	5	34	32	45	52	2
Future Vol, veh/h	5	34	32	45	52	2
Conflicting Peds, #/hr	0	0	0	0	0	_ 0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	40	38	53	61	2
Major/Minor I	Minor2	N	Major1	N	Major2	
Conflicting Flow All	191	62	63	0	viajoi z	0
Stage 1	62	-	-	-	-	-
Stage 2	129	-	-	_	_	-
Critical Hdwy	6.42	6.22	4.12	-		-
	5.42		4.12	-	-	-
Critical Hdwy Stg 1		-	-	-	-	-
Critical Hdwy Stg 2	5.42	2 210	2 210	-	-	-
Follow-up Hdwy	3.518		2.218	-	-	-
Pot Cap-1 Maneuver	798	1003	1540	-	-	-
Stage 1	961	-	-	-	-	-
Stage 2	897	-	-	-	-	-
Platoon blocked, %				-	-	-
Mov Cap-1 Maneuver	778	1003	1540	-	-	-
Mov Cap-2 Maneuver	778	-	-	-	-	-
Stage 1	937	-	-	-	-	-
Stage 2	897	-	-	-	-	-
Approach	EB		NB		SB	
HCM Control Delay, s	8.9		3.1		0	
HCM LOS	0.9 A		ا ، ا		U	
FICIVI EUS	А					
Minor Lane/Major Mvm	nt	NBL	NBTI	EBLn1	SBT	SBR
Capacity (veh/h)		1540	-	967	-	-
HCM Lane V/C Ratio		0.024	-	0.047	-	-
HCM Control Delay (s)		7.4	0	8.9	-	-
HCM Lane LOS		Α	Α	Α	-	-
HCM 95th %tile Q(veh	)	0.1	-	0.1	-	-

Intersection						
Int Delay, s/veh	4					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	T T	<u> </u>	₩ <u></u>	אטוע	ÿ.	אומט
Traffic Vol, veh/h	86	118	145	6	5	121
Future Vol, veh/h	86	118	145	6	5	121
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	310p	None
Storage Length	0	-	-	-	0	NUITE -
Veh in Median Storage		0	0		0	
Grade, %		0	0	-	0	-
Peak Hour Factor	97	97	97	97	97	97
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	89	122	149	6	5	125
Major/Minor N	Major1	I)	Major2	N	Minor2	
Conflicting Flow All	155	0	-	0	452	152
Stage 1	-	-	-	-	152	-
Stage 2	-	-	-	-	300	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	_	-	5.42	-
	2.218	-	_	_	3.518	3.318
Pot Cap-1 Maneuver	1425	-	-	_	565	894
Stage 1	-	-	_	-	876	-
Stage 2	_	_	_	_	752	_
Platoon blocked, %		_	_	_	702	
Mov Cap-1 Maneuver	1425	_	_	_	530	894
Mov Cap-2 Maneuver	-	_	_	_	530	-
Stage 1	_	_	_	_	822	_
Stage 2	_	_	_	_	752	_
Stage 2					132	
Approach	EB		WB		SB	
HCM Control Delay, s	3.2		0		9.9	
HCM LOS					Α	
Minor Lane/Major Mvm	+	EBL	EBT	WBT	WBR :	CDI n1
	L			VVDI		
Capacity (veh/h)		1425	-	-	-	870 0.149
HCM Cantral Dalay (a)		0.062 7.7	-	-		
HCM Long LOS			-	-	-	9.9
HCM Lane LOS		A 0.2	-	-	-	A 0.5
HCM 95th %tile Q(veh)		(1 (1)	_	_	-	



# ₩ Site: 3 [Morgan Canyon Rd (SR 168) / Auberry Rd]

Site Category: (None) Roundabout

Move	ement F	Performanc	e - Vehi	icles								
Mov ID	Turn	Demand Total veh/h	Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back Vehicles veh	of Queue Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
East:	Morgan	Canyon Rd (		•	360		VCII	''				Пірп
6	T1	92	10.0	0.216	4.7	LOS A	1.0	27.2	0.16	0.06	0.16	35.4
16a	R1	179	10.0	0.216	4.7	LOS A	1.0	27.2	0.16	0.06	0.16	35.1
16b	R3	1	1.0	0.216	4.5	LOS A	1.0	27.2	0.16	0.06	0.16	34.1
Appro	ach	273	10.0	0.216	4.7	LOS A	1.0	27.2	0.16	0.06	0.16	35.2
North	East: NE	E Driveway										
1bx	L3	1	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	36.0
16ax	R1	1	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	35.1
16x	R2	7	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	34.4
Appro	ach	9	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	34.7
North	West: A	uberry Rd										
7x	L2	2	1.0	0.128	4.0	LOS A	0.5	14.5	0.25	0.12	0.25	33.7
7ax	L1	121	10.0	0.128	4.3	LOS A	0.5	14.5	0.25	0.12	0.25	33.0
14bx	R3	23	10.0	0.128	4.3	LOS A	0.5	14.5	0.25	0.12	0.25	32.1
Appro	ach	146	9.9	0.128	4.3	LOS A	0.5	14.5	0.25	0.12	0.25	32.9
West:	Morgan	n Canyon Rd	(SR 168	)								
5b	L3	30	10.0	0.117	4.3	LOS A	0.5	13.0	0.29	0.15	0.29	34.9
5a	L1	5	1.0	0.117	4.0	LOS A	0.5	13.0	0.29	0.15	0.29	34.4
2	T1	92	10.0	0.117	4.3	LOS A	0.5	13.0	0.29	0.15	0.29	34.5
Appro	ach	128	9.6	0.117	4.3	LOS A	0.5	13.0	0.29	0.15	0.29	34.6
All Ve	hicles	555	9.7	0.216	4.5	LOS A	1.0	27.2	0.22	0.10	0.22	34.4

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab). Roundabout LOS Method: Same as Signalised Intersections.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).

Roundabout Capacity Model: US HCM 6.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies. Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Intersection						
Int Delay, s/veh	3.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	¥			4	<b>₽</b>	
Traffic Vol, veh/h	8	45	55	66	65	3
Future Vol, veh/h	8	45	55	66	65	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	_	-	_	-
Veh in Median Storage		-	-	0	0	_
Grade, %	0	_	_	0	0	_
Peak Hour Factor	76	76	76	76	76	76
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	11	59	72	87	86	4
IVIVIIIL I IOVV	- 11	37	12	07	00	7
Major/Minor N	Minor2	1	Major1	Λ	/lajor2	
Conflicting Flow All	319	88	90	0	-	0
Stage 1	88	-	-	-	-	-
Stage 2	231	-	-	-	-	-
Critical Hdwy	6.42	6.22	4.12	-	-	-
Critical Hdwy Stg 1	5.42	-	-	-	-	-
Critical Hdwy Stg 2	5.42	-	-	-	-	-
Follow-up Hdwy	3.518	3.318	2.218	-	-	-
Pot Cap-1 Maneuver	674	970	1505	-	-	-
Stage 1	935	-	-	-	-	-
Stage 2	807	-	-	-	-	-
Platoon blocked, %				_	-	_
Mov Cap-1 Maneuver	640	970	1505	_	-	-
Mov Cap-2 Maneuver	640	-	-	_	_	_
Stage 1	888	_	_	_	_	_
Stage 2	807	_	_	_	_	_
Stage 2	007					
Approach	EB		NB		SB	
HCM Control Delay, s	9.3		3.4		0	
HCM LOS	Α					
Minor Lane/Major Mvm	.+	NBL	MDT I	EBLn1	SBT	SBR
	Il					SDR
Capacity (veh/h)		1505	-	900	-	-
HCM Lane V/C Ratio		0.048		0.077	-	-
HCM Control Delay (s)		7.5	0	9.3	-	-
HCM Lane LOS		A 0.2	A -	A 0.3	-	-
HCM 95th %tile Q(veh)						

Intersection						
Int Delay, s/veh	4.6					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	LDL		₩ <u></u>	WDIX	→ N	JUIN
Traffic Vol, veh/h	177	<b>↑</b> 191	177	19	<b>'T'</b> 17	140
Future Vol, veh/h	177	191	177	19	17	140
	0	0	0	0	0	0
Conflicting Peds, #/hr						
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		-	None
Storage Length	0	-	-	-	0	-
Veh in Median Storage,		0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	201	217	201	22	19	159
Major/Minor M	/lajor1	N	Major2	N	Minor2	
Conflicting Flow All	223	0	viajoi Z	0	831	212
		U	-			
Stage 1	-	-	-	-	212	-
Stage 2	- 4.10	-	-	-	619	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
1 3	2.218	-	-	-	3.518	
	1346	-	-	-	340	828
Stage 1	-	-	-	-	823	-
Stage 2	-	-	-	-	537	-
Platoon blocked, %		-	-	-		
	1346	-	-	-	289	828
Mov Cap-2 Maneuver	-	-	-	-	289	-
Stage 1	-	-	-	-	700	-
Stage 2	-	-	-	-	537	-
ŭ						
A I.			\A/D		CE	
Approach	EB		WB		SB	
HCM Control Delay, s	3.9		0		12	
HCM LOS					В	
Minor Lane/Major Mymt	t	FRI	FRT	WRT	W/RD	SRI n1
	l		LDI	WDI		
			-	-		
			-			
			-			
			-	-	-	
HCM 95th %tile Q(veh)		0.5	-	-	-	1
Minor Lane/Major Mvmt Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s) HCM Lane LOS HCM 95th %tile Q(veh)		EBL 1346 0.149 8.1 A 0.5	EBT		-	689 0.259 12 B



## \[ \infty \] Site: 3 [Morgan Canyon Rd (SR 168) / Auberry Rd]

Site Category: (None) Roundabout

Move	ement P	erformanc	e - Vehi	icles								
Mov ID	Turn	Demand Total veh/h	Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back Vehicles veh	of Queue Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
East:	Morgan	Canyon Rd (	(SR 168)									
6	T1	130	10.0	0.264	5.1	LOS A	1.3	35.3	0.15	0.05	0.15	35.2
16a	R1	207	10.0	0.264	5.1	LOS A	1.3	35.3	0.15	0.05	0.15	34.8
16b	R3	3	1.0	0.264	4.9	LOS A	1.3	35.3	0.15	0.05	0.15	33.9
Appro	ach	340	9.9	0.264	5.1	LOS A	1.3	35.3	0.15	0.05	0.15	35.0
North	East: NE	Driveway										
1bx	L3	5	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	35.4
16ax	R1	7	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	34.5
16x	R2	11	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	33.8
Appro	ach	23	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	34.4
North <sup>1</sup>	West: Au	berry Rd										
7x	L2	4	1.0	0.252	5.4	LOS A	1.2	31.5	0.35	0.21	0.35	33.0
7ax	L1	224	10.0	0.252	5.7	LOS A	1.2	31.5	0.35	0.21	0.35	32.4
14bx	R3	46	10.0	0.252	5.7	LOS A	1.2	31.5	0.35	0.21	0.35	31.5
Appro	ach	274	9.9	0.252	5.7	LOS A	1.2	31.5	0.35	0.21	0.35	32.3
West:	Morgan	Canyon Rd	(SR 168	)								
5b	L3	25	10.0	0.197	5.6	LOS A	0.8	22.6	0.42	0.30	0.42	34.6
5a	L1	2	1.0	0.197	5.3	LOS A	0.8	22.6	0.42	0.30	0.42	34.2
2	T1	163	10.0	0.197	5.6	LOS A	0.8	22.6	0.42	0.30	0.42	34.3
Appro	ach	190	9.9	0.197	5.6	LOS A	8.0	22.6	0.42	0.30	0.42	34.3
All Ve	hicles	827	9.6	0.264	5.4	LOSA	1.3	35.3	0.29	0.17	0.29	33.9

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab). Roundabout LOS Method: Same as Signalised Intersections.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).

Roundabout Capacity Model: US HCM 6.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies. Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Organisation: KD ANDERSON & ASSOCIATES INC. | Processed: Wednesday, March 18, 2020 12:48:05 PM
Project: C:\Users\JDF\KDA\Reports\Fresno County\Auberry - Morgan Canyon SR 168 Roundabout\2 Exist PM Auberry\_Morgan Canyon Round.sip8



# ₩ Site: 3 [Morgan Canyon Rd (SR 168) / Auberry Rd]

Site Category: (None) Roundabout

Move	ement F	Performanc	e - Vehi	icles								
Mov ID	Turn	Demand Total veh/h	Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back Vehicles veh	of Queue Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
East:	Morgan	Canyon Rd (		•	360		VCII	''				Пірп
6	T1	92	10.0	0.216	4.7	LOS A	1.0	27.2	0.16	0.06	0.16	35.4
16a	R1	179	10.0	0.216	4.7	LOS A	1.0	27.2	0.16	0.06	0.16	35.1
16b	R3	1	1.0	0.216	4.5	LOS A	1.0	27.2	0.16	0.06	0.16	34.1
Appro	ach	273	10.0	0.216	4.7	LOS A	1.0	27.2	0.16	0.06	0.16	35.2
North	East: NE	E Driveway										
1bx	L3	1	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	36.0
16ax	R1	1	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	35.1
16x	R2	7	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	34.4
Appro	ach	9	1.0	0.009	3.8	LOS A	0.0	0.9	0.42	0.24	0.42	34.7
North	West: A	uberry Rd										
7x	L2	2	1.0	0.128	4.0	LOS A	0.5	14.5	0.25	0.12	0.25	33.7
7ax	L1	121	10.0	0.128	4.3	LOS A	0.5	14.5	0.25	0.12	0.25	33.0
14bx	R3	23	10.0	0.128	4.3	LOS A	0.5	14.5	0.25	0.12	0.25	32.1
Appro	ach	146	9.9	0.128	4.3	LOS A	0.5	14.5	0.25	0.12	0.25	32.9
West:	Morgan	n Canyon Rd	(SR 168	)								
5b	L3	30	10.0	0.117	4.3	LOS A	0.5	13.0	0.29	0.15	0.29	34.9
5a	L1	5	1.0	0.117	4.0	LOS A	0.5	13.0	0.29	0.15	0.29	34.4
2	T1	92	10.0	0.117	4.3	LOS A	0.5	13.0	0.29	0.15	0.29	34.5
Appro	ach	128	9.6	0.117	4.3	LOS A	0.5	13.0	0.29	0.15	0.29	34.6
All Ve	hicles	555	9.7	0.216	4.5	LOS A	1.0	27.2	0.22	0.10	0.22	34.4

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab). Roundabout LOS Method: Same as Signalised Intersections.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).

Roundabout Capacity Model: US HCM 6.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies. Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.



## \[ \infty \] Site: 3 [Morgan Canyon Rd (SR 168) / Auberry Rd]

Site Category: (None) Roundabout

Move	ement P	erformanc	e - Vehi	icles								
Mov ID	Turn	Demand Total veh/h	Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back Vehicles veh	of Queue Distance ft	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed mph
East:	Morgan	Canyon Rd (	(SR 168)									
6	T1	130	10.0	0.264	5.1	LOS A	1.3	35.3	0.15	0.05	0.15	35.2
16a	R1	207	10.0	0.264	5.1	LOS A	1.3	35.3	0.15	0.05	0.15	34.8
16b	R3	3	1.0	0.264	4.9	LOS A	1.3	35.3	0.15	0.05	0.15	33.9
Appro	ach	340	9.9	0.264	5.1	LOS A	1.3	35.3	0.15	0.05	0.15	35.0
North	East: NE	Driveway										
1bx	L3	5	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	35.4
16ax	R1	7	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	34.5
16x	R2	11	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	33.8
Appro	ach	23	1.0	0.025	4.2	LOS A	0.1	2.5	0.46	0.31	0.46	34.4
North <sup>1</sup>	West: Au	berry Rd										
7x	L2	4	1.0	0.252	5.4	LOS A	1.2	31.5	0.35	0.21	0.35	33.0
7ax	L1	224	10.0	0.252	5.7	LOS A	1.2	31.5	0.35	0.21	0.35	32.4
14bx	R3	46	10.0	0.252	5.7	LOS A	1.2	31.5	0.35	0.21	0.35	31.5
Appro	ach	274	9.9	0.252	5.7	LOS A	1.2	31.5	0.35	0.21	0.35	32.3
West:	Morgan	Canyon Rd	(SR 168	)								
5b	L3	25	10.0	0.197	5.6	LOS A	0.8	22.6	0.42	0.30	0.42	34.6
5a	L1	2	1.0	0.197	5.3	LOS A	0.8	22.6	0.42	0.30	0.42	34.2
2	T1	163	10.0	0.197	5.6	LOS A	0.8	22.6	0.42	0.30	0.42	34.3
Appro	ach	190	9.9	0.197	5.6	LOS A	8.0	22.6	0.42	0.30	0.42	34.3
All Ve	hicles	827	9.6	0.264	5.4	LOSA	1.3	35.3	0.29	0.17	0.29	33.9

Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab). Roundabout LOS Method: Same as Signalised Intersections.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 6).

Roundabout Capacity Model: US HCM 6.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies. Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

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Project: C:\Users\JDF\KDA\Reports\Fresno County\Auberry - Morgan Canyon SR 168 Roundabout\2 Exist PM Auberry\_Morgan Canyon Round.sip8

## LANE LEVEL OF SERVICE

#### Lane Level of Service



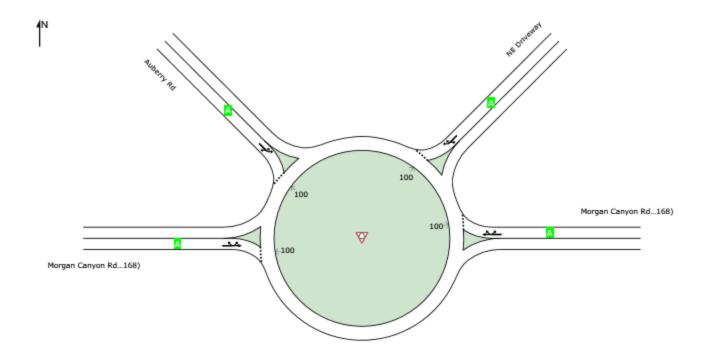
# \[ \infty \] Site: 3 [Morgan Canyon Rd (SR 168) / Auberry Rd]

Exist AM

Site Category: (None)

Roundabout

		Appro	aches		Intersection
	East	Northeast	Northwest	West	Intersection
LOS	Α	Α	Α	Α	Α



Site Level of Service (LOS) Method: Delay & v/c (HCM 6). Site LOS Method is specified in the Parameter Settings dialog (Site tab). Roundabout LOS Method: Same as Signalised Intersections.

Lane LOS values are based on average delay and v/c ratio (degree of saturation) per lane.

LOS F will result if v/c > 1 irrespective of lane delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all lanes (v/c not used as specified in HCM 6).

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.

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# **APPENDIX H**

Construction-Related and Operational Gasoline Usage, ECORP Consulting, Inc. April 2020.

# Proposed Project Total Construction-Related and Operational Gasoline Usage

Carbon Dioxide	
Equivalents (CO <sub>2</sub> e) in	
Metric Tons <sup>1</sup>	

Conversion of Metric Equipment Emission

Factor<sup>2</sup>

Total Gallons of Fuel Consumed

Project	Construction
---------	--------------

1370 1370000

10.15

134,975

\_\_\_\_\_

Action

Per Climate Registry Equation Per Climate Registry 13e Equation 13e

Tons to Kilograms<sup>2</sup>

Per CalEEMod Output Files.

#### **Total Gallons Consumed During Project Construction:**

134,975

#### Notes:

Fuel used by all construction equipment, including vehicle hauling trucks, assumed to be diesel.

#### Sources:

<sup>1</sup>ECORP Consulting, 2020.

## **Total Gallons During Project Operations** <sup>3</sup>

Area	Sub-Area	Cal. Year	Season	Veh_tech	EMFAC 2011 Category	Fuel_GAS	<b>Daily Total</b>	ANNUAL TOTAL
Sub-Areas	Fresno	2022	Annual	All Vehicles	All Vehicles <sup>4</sup>	0.708699	900	328,500.0

#### Sources:

<sup>&</sup>lt;sup>2</sup>Climate Registry. 2016. *General Reporting Protocol for the Voluntary Reporting Program version 2.1.* January 2016. http://www.theclimateregistry.org/wp-content/uploads/2014/11/General-Reporting-Protocol-Version-2.1.pdf

<sup>&</sup>lt;sup>3</sup>Californai Air Resource Board. 2017. EMFAC2017 Mobile Emissions Model.