CITY OF LOS BANOS BASINS AND STORM WATER CAPTURE PROJECT

DRAFT INITIAL STUDY/MITIGATED NEGATIVE DECLARATION

AUGUST 2024

PREPARED FOR:

City of Los Banos
520 J Street
Los Banos, CA 93635

PREPARED BY:

Provost & Pritchard Consulting Group

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ACRONYMS AND ABBREVIATIONS

AB ..... Assembly Bill
AF ..... Acre-feet
APE ..... Area of Potential Effect
BMP ..... Best Management Practices
BPS ..... Best Performance Standards
CalEEMod ..... California Emissions Estimator Modeling (software)
CalNAGPRA ..... California Native American Graves Protection and Repatriation Act
CARB ..... California Air Resources Board
CCAA ..... California Clean Air Act
CCIC ..... Central California Information Center
CDFW ..... California Department of Fish and Wildlife
CEQA ..... California Environmental Quality Act
CFC ..... Chlorofluorocarbons
CH_4 ..... Methane
City ..... City of Los Banos
CNDDB ..... California Natural Diversity Database
CNPS ..... California Native Plant Society
CO ..... Carbon Monoxide
CO_2 ..... Carbon dioxide
County ..... Merced County
CVP ..... Central Valley Project
DOC ..... Department of Conservation
DTSC ..... Department of Toxic Substances Control
EIR ..... Environmental Impact Report
ESA ..... Environmental Site Assessment
FEMA ..... Federal Emergency Management Agency
FMMP ..... Farmland Mapping and Monitoring Program
GGSA ..... Grassland Groundwater Sustainability Agency
GHG ..... Greenhouse Gas
GSA ..... Groundwater Sustainability Agency
GSP ..... Groundwater Sustainability Plan

GWD ..... Grassland Water District
GWP ..... Global Warming Potential
HFC ..... Hydrofluorocarbon
I-5 ..... Interstate 5
IS ..... Initial Study
IS/MND ..... Initial Study/Mitigated Negative Declaration
LOA ..... Live Oak Associates, Inc.
MMRP ..... Mitigation Monitoring and Reporting Program
MND ..... Mitigated Negative Declaration
MRZ ..... Mineral Resource Zones
$MTCO_2e$ ..... Metric Tons of Carbon Dioxide Equivalent
NAAQS ..... National Ambient Air Quality Standards
NAHC ..... Native American Heritage Commission
ND ..... Negative Declaration
NGVD ..... National Geodetic Vertical Datum
NO_2 ..... Nitrogen Dioxide
NOx ..... Nitrogen Oxides
NRHP ..... National Register of Historic Places
O_3 ..... Ozone
Pb ..... Lead
PFC ..... Perfluorocarbon
PG&E ..... Pacific Gas & Electric
PM_{10} ..... particulate matter 10 microns in size
$PM_{2.5}$ ..... particulate matter 2.5 microns in size
ppb ..... parts per billion
ppm ..... parts per million
Project ..... City of Los Banos Basins and Stormwater Capture Project
ROG ..... Reactive Organic Gases
SGMA ..... Sustainable Groundwater Management Act
SJREC GSA ..... San Joaquin River Exchange Contractors GSA
SJREC GSP ..... San Joaquin River Exchange Contractors GSP
SJVAB ..... San Joaquin Valley Air Basin
SJVAPCD ..... San Joaquin Valley Air Pollution Control District

SO_2 ..... Sulfur Dioxide

SR ..... State Route

SRA ..... State Responsibility Area

SWPPP ..... Storm Water Pollution Prevention Plan

SWRCB ..... State Water Resources Control Board

USBR ..... United States Bureau of Reclamation

USEPA ..... United States Environmental Protection Agency

USFWS ..... United States Fish and Wildlife Service

µg/m3 ..... micrograms per cubic meter

CHAPTER 1 INTRODUCTION

Provost & Pritchard Consulting Group (Provost & Pritchard) has prepared this Initial Study/Mitigated Negative Declaration (IS/MND) on behalf of the City of Los Banos (City) to address the environmental effects of the City of Los Banos Basins and Stormwater Capture Project (Project). This document has been prepared in accordance with the California Environmental Quality Act (CEQA), Public Resources Code Section 21000 et seq. The City is the CEQA lead agency for this Project.

The site and the Project are described in detail in Chapter 2 Project Description.

1.1 REGULATORY INFORMATION

An Initial Study (IS) is a document prepared by a lead agency to determine whether a project may have a significant effect on the environment. In accordance with California Code of Regulations Title 14 (Chapter 3, Section 15000, *et seq.*)-- also known as the CEQA Guidelines--Section 15064 (a)(1) states that an environmental impact report (EIR) must be prepared if there is substantial evidence in light of the whole record that the Project under review may have a significant effect on the environment and should be further analyzed to determine mitigation measures or project alternatives that might avoid or reduce project impacts to less than significant levels. A negative declaration (ND) may be prepared instead if the lead agency finds that there is no substantial evidence in light of the whole record that the project may have a significant effect on the environment. An ND is a written statement describing the reasons why a proposed Project, not otherwise exempt from CEQA, would not have a significant effect on the environment and, therefore, why it would not require the preparation of an EIR (CEQA Guidelines Section 15371). According to CEQA Guidelines Section 15070, a ND or *mitigated* ND (MND) shall be prepared for a project subject to CEQA when either:

a. The IS shows there is no substantial evidence, in light of the whole record before the agency, that the proposed Project may have a significant effect on the environment, or
b. The IS identified potentially significant effects, but:
    1. Revisions in the project plans or proposals made by or agreed to by the applicant before the proposed MND and IS is released for public review would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur is prepared, and
    2. There is no substantial evidence, in light of the whole record before the agency, that the proposed Project as *revised* may have a significant effect on the environment.

1.2 DOCUMENT FORMAT

This IS/MND contains six chapters. Chapter 1 Introduction, provides an overview of the Project and the CEQA process. Chapter 2 Project Description, provides a detailed description of proposed Project components and objectives. Chapter 3 Determination, the Lead Agency's determination based upon this initial evaluation. Chapter 4 Environmental Impact Analysis presents the CEQA checklist and environmental analysis for all impact areas, mandatory findings of significance, and feasible mitigation measures. If the Project does not have the potential to significantly impact a given issue area, the relevant section provides a brief discussion of the reasons why no impacts are expected. If the Project could have a potentially significant impact on a resource, the issue area discussion provides a description of potential impacts, and appropriate mitigation measures and/or permit requirements that would reduce those impacts to a less than significant level. Chapter 5 Mitigation, Monitoring, and Reporting Program (MMRP), provides the

proposed mitigation measures, implementation timelines, and the entity/agency responsible for ensuring implementation. Chapter 6 details the documents and reports this document relies upon to provide its analysis.

The Air Quality and Greenhouse Gas Emissions Model, Biological Evaluation, and Phase I Survey, are provided as technical Appendix A, Appendix B, and Appendix C, respectively, at the end of this document.

CHAPTER 2 PROJECT DESCRIPTION

2.1 PROJECT BACKGROUND

2.1.1 Project Title

City of Los Banos Basins and Stormwater Capture Project

2.1.2 Lead Agency Name and Address

City of Los Banos
520 J Street
Los Banos, CA 93635

2.1.3 Contact Person and Phone Number

Lead Agency Contact

Charles Bergson, P.E.
Public Works Director/City Engineer
City of Los Banos
411 Madison Avenue
209-827-2466

CEQA Consultant

Provost & Pritchard Consulting Group
Amy M. Wilson, Environmental Project Manager
(559) 636-1166

2.1.4 Project Location

The Project is located in the City of Los Banos and unincorporated Merced County, California, approximately 125 miles south of Sacramento and 168 miles northwest of Bakersfield (see Figure 2-1 and Figure 2-4). The Project site is located on Merced County Assessor's Parcel Number(s) 082-020-024, 424-010-003, 424-010-004, and 073-220-014. The coordinates of the centroid of the Project site are 37° 05' 00.75" [N], 120° 49' 09.37" [W].

2.1.5 General Plan Designation and Zoning

Project Area	General Plan Designation	Zoning District
ONSITE		
Merced County	Agriculture/Medium Density Residential	A-1 General Agriculture
Los Banos (City)	Agriculture/Rural	Public Use/Institutional; A-1 General Agriculture
ADJACENT LANDS		

Project Area	General Plan Designation	Zoning District
Merced County	Agriculture/Medium Density Residential	A-1 General Agriculture
Los Banos (City)	Agriculture/Rural, Low Density Residential, Park	A-1 General Agriculture; R-1 Low Density Residential, Park; Public Use/Institutional

2.1.6 Description of Project

Project Background and Purpose

According to the San Joaquin River Exchange Contractors Groundwater Sustainability Agency's (SJREC GSA) 2022 Groundwater Sustainability Plan (GSP), the City is actively pursuing water conservation measures.[1] In order to maintain sustainability for each Groundwater Sustainability Agency (GSA) in the San Joaquin River Exchange Contractors GSP (SJREC GSP) group, which includes the City of Los Banos GSA, the City is committed to developing certain projects in order to offset an increase in groundwater demand based on projected population growth. Each project will be analyzed jointly with the City and the SJREC to maximize the regional benefits. The City will develop projects to offset overdraft, such as: 1) storm water capture, 2) demand reduction through reduced watering, 3) surface water transfer, 4) purchasing groundwater credits, 5) participation in recharge projects and 6) the City will continue to investigate other types of projects.

The City and Grassland Water District (GWD), in conjunction with the Grassland Groundwater Sustainability Agency (GGSA) and the City of Los Banos GSA, are proposing the construction of roughly 160-acres of a multi-celled detention basin with benefits towards stormwater capture, flood protection, groundwater recharge, wildlife refuge water supply flexibility, groundwater quality and quantity improvements for the City. The Project would be situated in both the City of Los Banos GSA and the Grassland GSP region (see

Figure 2-3).

GGSA received Proposition 68, Sustainable Groundwater Management Implementation Grant, Round 1 funding through the Delta-Mendota Subbasin's award for partial funding to implement the proposed Project. The Project is part of the City and GWD's effort to be sustainable under Sustainable Groundwater Management Act (SGMA). The Project is included as Flood Water Capture Project in the GGSA GSP.[2] As stated in the GSP, the Project would provide significant water supply and habitat benefits. The Project's temporary holding ponds could provide up to approximately 500 acre-feet (AF) of surface water storage each time they are filled. This would allow for the irrigation of up to 250 acres of managed wetlands within the GWD and Grassland Resource Conservation District, which would significantly increase the biological value of that habitat, by capturing flows that would normally not have been put to beneficial use in the service area. Groundwater recharge associated with the 160 acres of temporary holding ponds would be limited, but still provide some improvement to groundwater conditions within the GSP Region Plan area by reduced pumping. It is estimated that less than 1.4 AF per day would be recharged in the basin. In addition,

[1] The SJREC GSA's 2022 GSP involved SJREC partnering with the City of Newman GSA, City of Gustine GSA, City of Los Banos GSA, City of Dos Palos GSA, City of Firebaugh GSA, City of Mendota GSA, Turner Island Water District – 2 GSA, County of Madera – 3 GSA, a portion of the Fresno County Management Area B GSA, and a portion of the Merced County – Delta-Mendota GSA to develop a joint GSP. The joint 2022 GSP can be found here: (San Joaquin River Exchange Contractors GSP Group 2022). A revised draft GSP covering the entire Delta-Mendota Subbasin was released in 2024. The revised GSP is consistent with the objectives of this Project and with the portions of the 2022 GSP described here.

[2] (Grassland Groundwater Sustainability Agency 2022). The Project is also included in the draft revised GSP for the Delta-Mendota Subbasin that was released in 2024.

the site where the Project would be located was previously 160 acres of irrigated alfalfa using approximately 800 AFY of groundwater. Therefore, the Subbasin would receive an additional groundwater benefit of 800 AFY due to demand reduction. When filled, the temporary ponds would also provide habitat values for migratory birds and other wildlife on site.

Project Description

The proposed Project would construct a basin for the purposes of surface and storm water capture as well as for incidental groundwater recharge with approximately three internal cells. The basin would provide multiple benefits in terms of storage, recharge, and re-regulation of various City and GWD water sources and possess a combined storage capacity of approximately 500 AF. GWD operates two canals near the Project site: the San Luis Canal bordering the site on the west and the Santa Fe Canal to the east. The San Luis Drain, which is part of the U.S. Bureau of Reclamation (USBR) Central Valley Project (CVP), is situated between the Santa Fe Canal and the Project site. From either canal, GWD could physically deliver floodwaters, storm drainage, CVP and local surface water supplies, or other existing water supplies from the Mendota Pool on the San Joaquin River.

The proposed Project would be surrounded with low lying embankments to contain the water supplies. The site would be separated into multiple cells with an interconnection between the cells, as well as have a connection at the northerly end to return water supplies to the San Luis Canal. The separation of the basin into three cells separated by levees would allow for access, installation, and repair of existing and future utilities that cross the site, in addition to access for operation and maintenance. The Area of Potential Effect (APE) for biological and cultural surveys is identified as approximately 180 acres with the multi-cell basin accounting for approximately 160 acres. Based on the canal water surface elevation compared to the proposed ground surfaces, turnouts to the property would require pumping plants to deliver the supplies. The basin would allow GWD to divert flows off either canal when there are capacity limitations in the canals or extra supplies, temporarily storing water on the site for later use, as well as perform groundwater recharge activities. The City has multiple existing stormwater discharge outfalls to the San Luis Canal upstream and adjoining the Project site. Diverting these flows to the Project site can reduce the peaking flows in the canal, which would reduce possible downstream flooding and provide capacity flexibility for GWD operations.

The detention basin would contain the following components:

- Basin embankment heights would be less than six feet above the existing ground surface;
- Turnouts on each side of the property, one from the Santa Fe Canal and one from the San Luis Canal;
    - Major components of the turnouts would include a concrete structure, pumping plants with electrical motors, metering, discharge pipeline and outlet structure;
- Excavation would be balanced on site, if possible;
- Inter-basin cells connection structure; and
- Return flow structure and pipeline to the San Luis Canal.

The USBR San Luis Drain encroachment would be constructed with bore and jack or open cut methods. The discharge carrier pipeline would likely be cased with a steel pipeline sleeve. The City is in the process of developing other projects for sewer and drinking water pipelines that would also cross the drain and canals, however the turnout and pipeline off the Santa Fe Canal would likely be further south and may or may not be combined with other projects with one encroachment process. Due to budgetary processes and funding limitations, it is likely that the project will be constructed in phases, with the embankment earthwork,

connections to the San Luis Canal and inter-basin structures being constructed first, then pump and electrical work, and the easterly turnout off the Santa Fe Canal constructed at a later date than the rest of the Project.

Construction Schedule

Construction of the Project is expected to be completed in phases, totaling nine to 12 months. Initially, the proposed basin embankments/cells, structures off the San Luis Canal, and basin inter-connection structures would be constructed over the course of approximately six months. The Project includes mobilization, site preparation, and berm construction surrounding the basin; earthwork and structures placement; Project turnouts, metering stands, and inter-basin and basin outfall structures. New berm construction would be less than six feet, measured from the exterior toe to the top of the new levee. The Project would include approximately three ponds/cells within the detention basin separated by berms. A 15-foot-wide drive/access road would be constructed to surround the basins. The proposed road would not require any special surfacing and would be used for maintenance access and operations. After construction completion, performance testing and demobilization would occur. At a later date, installation of the pumping plant and electrical service for the turnout off the San Luis Canal, crossing the USBR San Luis Drain (once federal approvals are obtained), and construction of an additional turnout and pump station off the Santa Fe Canal are proposed to be constructed, over about a three-month period.

Equipment

Construction equipment would likely include, but not be limited to, the following types:

- Excavators;
- Backhoes;
- Graders;
- Skid steers;
- Loaders;
- Hauling trucks;
- Scrapers;
- Sheepsfoot compactors;
- Dozers,
- Large tractor and large discing unit,
- Water trucks supplying water for dust control and conditioning soil for compaction; and
- Large watercannon and hoses.

Post-construction activities would include system testing, commissioning, and site clean-up. Construction will require temporary staging and storage of materials and equipment. Staging areas would be located onsite within the identified APE or at the City of Los Banos wastewater treatment plant property.

Operation and Maintenance

Management and operations of the basin would include monitoring existing nearby wells and flows in and out of the basins, plus estimated recharge quantities will be maintained to assist with City understanding and management of the groundwater levels and recharge. The City's operation of the basin would be consistent with the City's other similar facilities in that groundwater conditions would be monitored to minimize negative impacts on the surrounding areas (such as nearby wells, crops, and the existing wastewater treatment plant). Discing, mowing or spraying weeds will likely be required, as well as occasional grading of embankment roadways.

2.1.7 Site and Surrounding Land Uses and Setting

Table 2-1: Existing Uses, General Plan Designation, & Zone Districts of Surrounding Properties

Direction from Project Site	Existing Use	General Plan Designation	Zone District
NORTH	Agricultural (fallow fields)	Agriculture/Rural; Agriculture	General Agriculture
EAST	Wastewater treatment plants and ponds	Agriculture/Rural; Agriculture	General Agriculture; Public Use/Institutional
SOUTH	Agricultural (field crops)	Agriculture/Rural; Low Density Residential; Agriculture	General Agriculture; Residential – Single Family
WEST	Residential; agricultural (field crops)	Low Density Residential; Park; Agriculture/Rural	General Agriculture; Park; Residential – Single Family; Public Use/Institutional; Residential – Two Family

2.1.8 Other Public Agencies Whose Approval May Be Required

Ministerial approvals and permits that may be required:

- State Water Resources Control Board (SWRCB) – for NPDES Construction General Permit (Storm Water Pollution Prevention Plan)
- San Joaquin Valley Air Pollution Control District – Rules and Regulations (Regulation VIII, Rule 9510, Rule 4641) – for Dust Control Plan
- USBR – for encroachment within the San Luis Drain
- Grassland Water District – for construction of turnouts within its canals
- City of Los Banos Building Department – for electrical panel approvals
- Pacific Gas & Electric Company – for new electrical service to pumping plants

2.1.9 Consultation with California Native American Tribes

Public Resources Code Section 21080.3.1, *et seq. (codification of Assembly Bill (AB) 52, 2013-14)* requires that a lead agency, within 14 days of determining that it will undertake a project, must notify in writing any California Native American Tribe traditionally and culturally affiliated with the geographic area of the project if that Tribe has previously requested notification about projects in that geographic area. The notice must briefly describe the project and inquire whether the Tribe wishes to initiate request formal consultation. Tribes have 30 days from receipt of notification to request formal consultation. The lead agency then has 30 days to initiate the consultation, which then continues until the parties come to an agreement regarding necessary mitigation or agree that no mitigation is needed, or one or both parties determine that negotiation occurred in good faith, but no agreement will be made.

The City of Los Banos has not received any written correspondence from a Tribe pursuant to Public Resources Code Section 21080.3.1 requesting notification of proposed project.

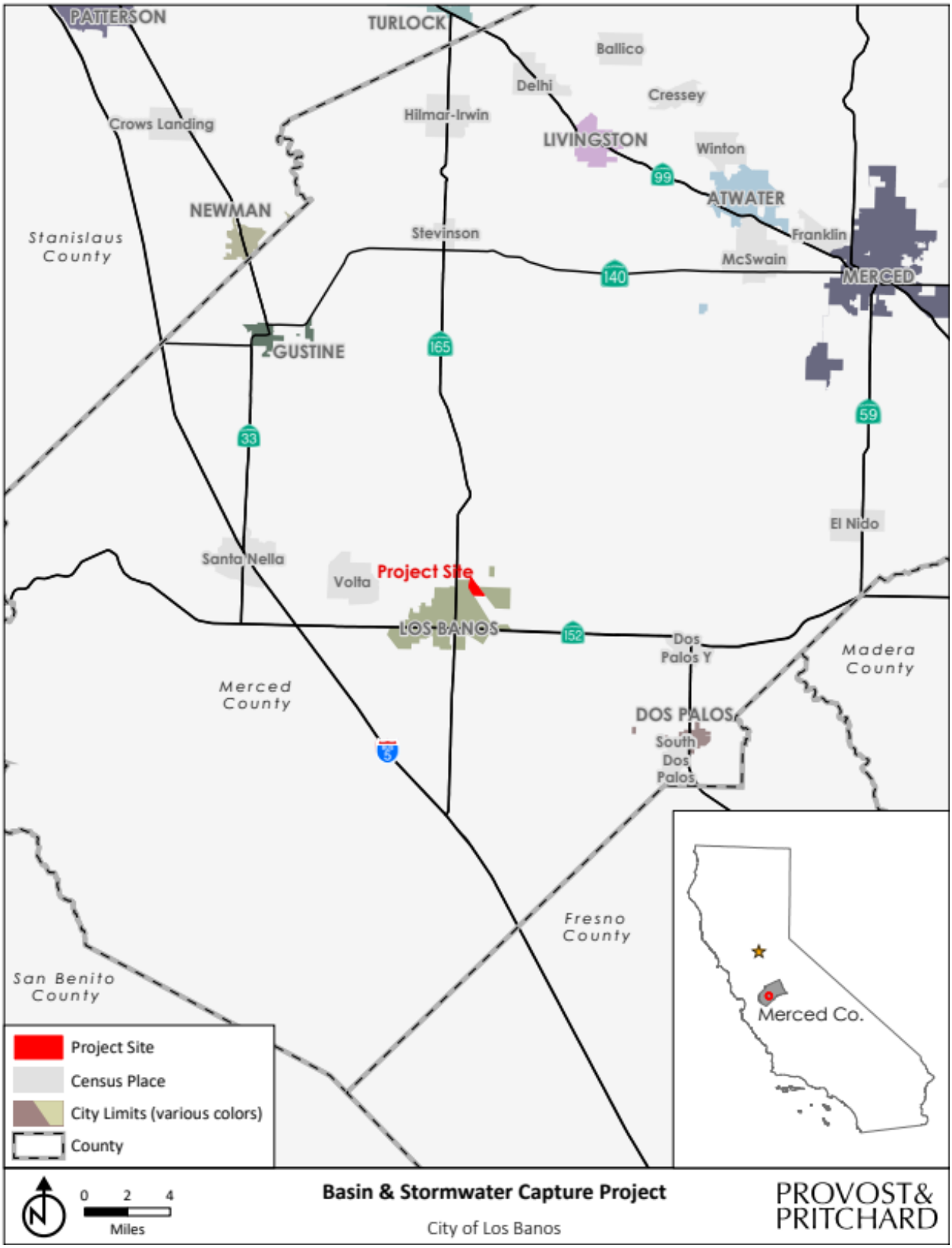


Figure 2-1: Regional Location Map

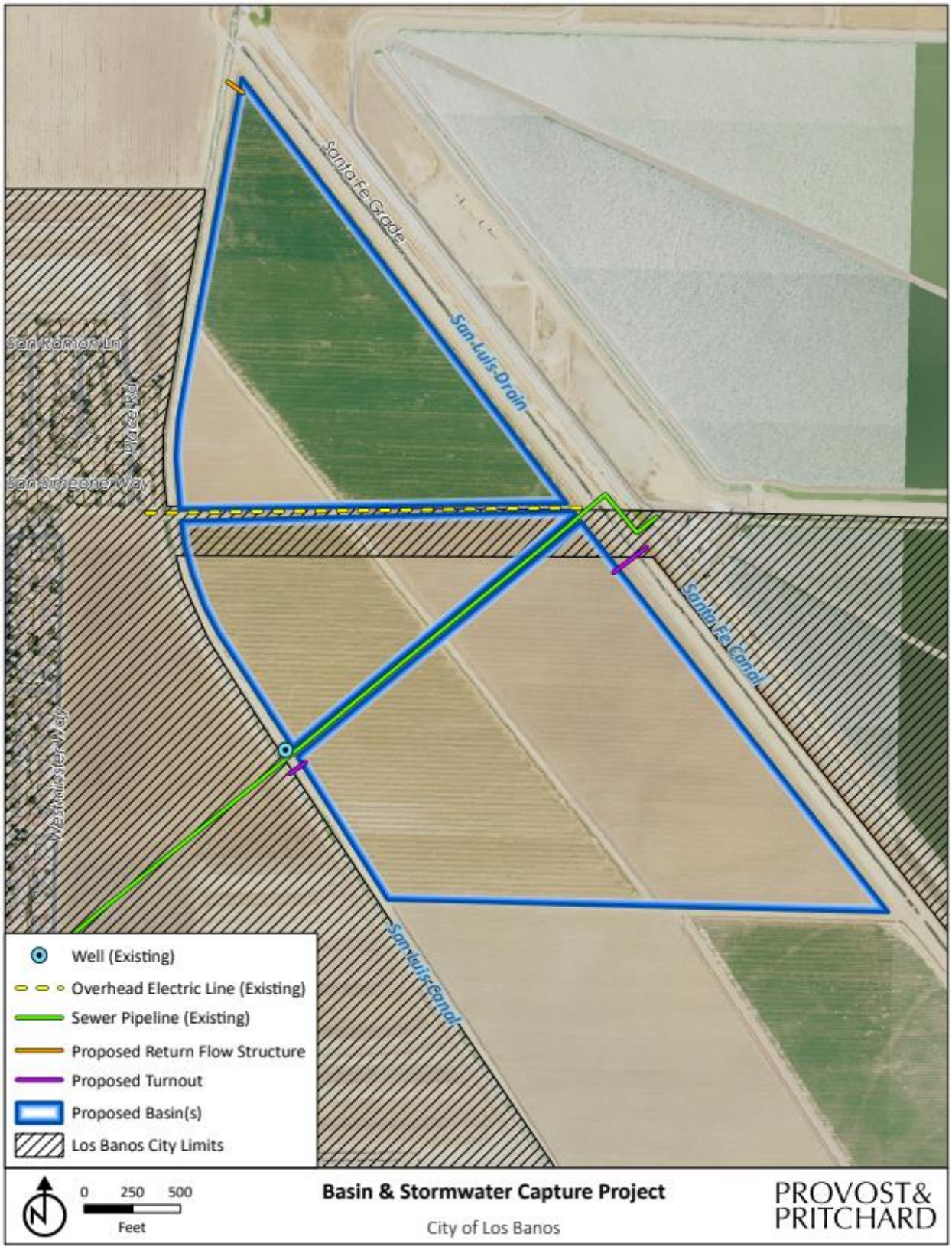


Figure 2-2: Site Plan

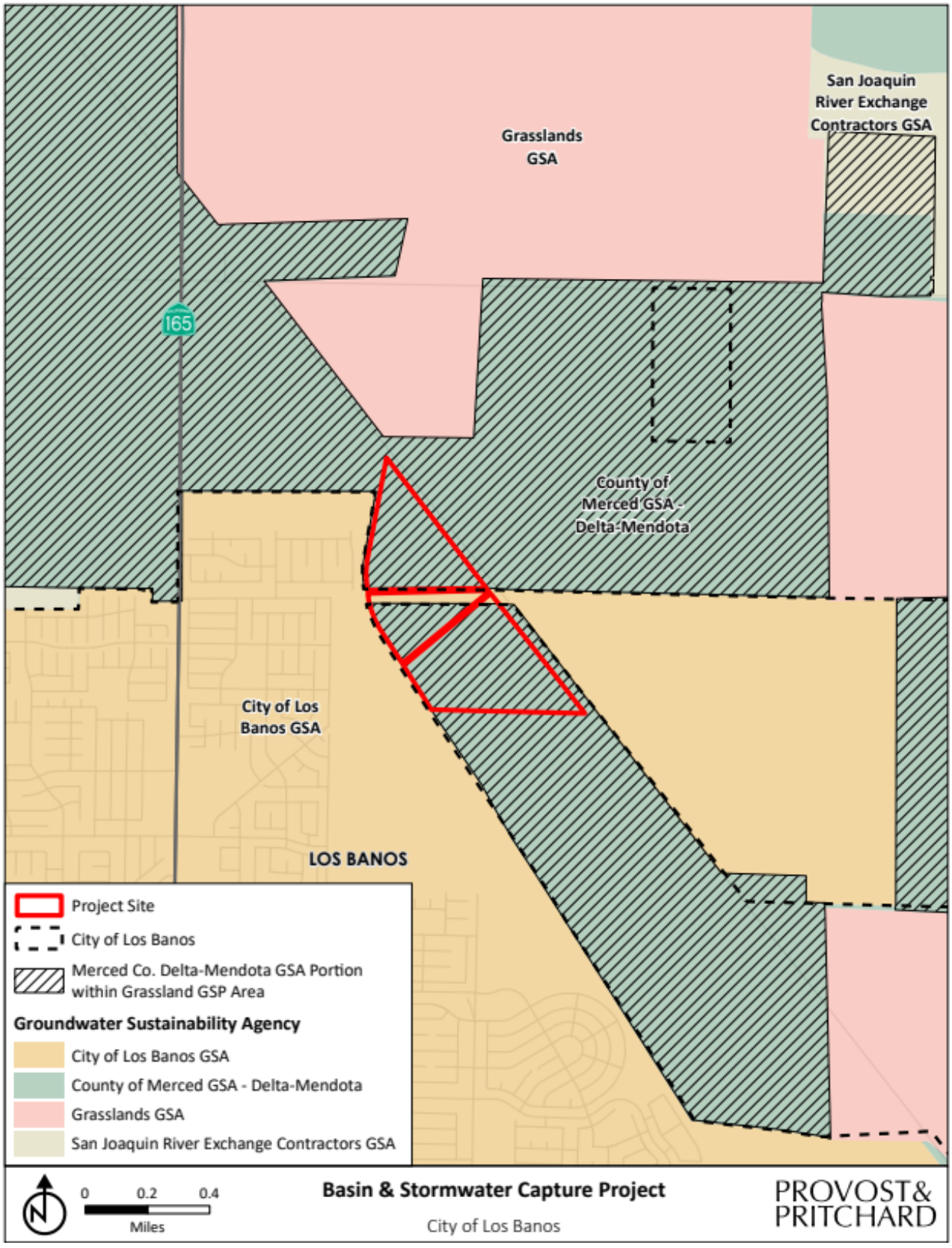


Figure 2-3: Groundwater Sustainability Agencies' Boundaries Map

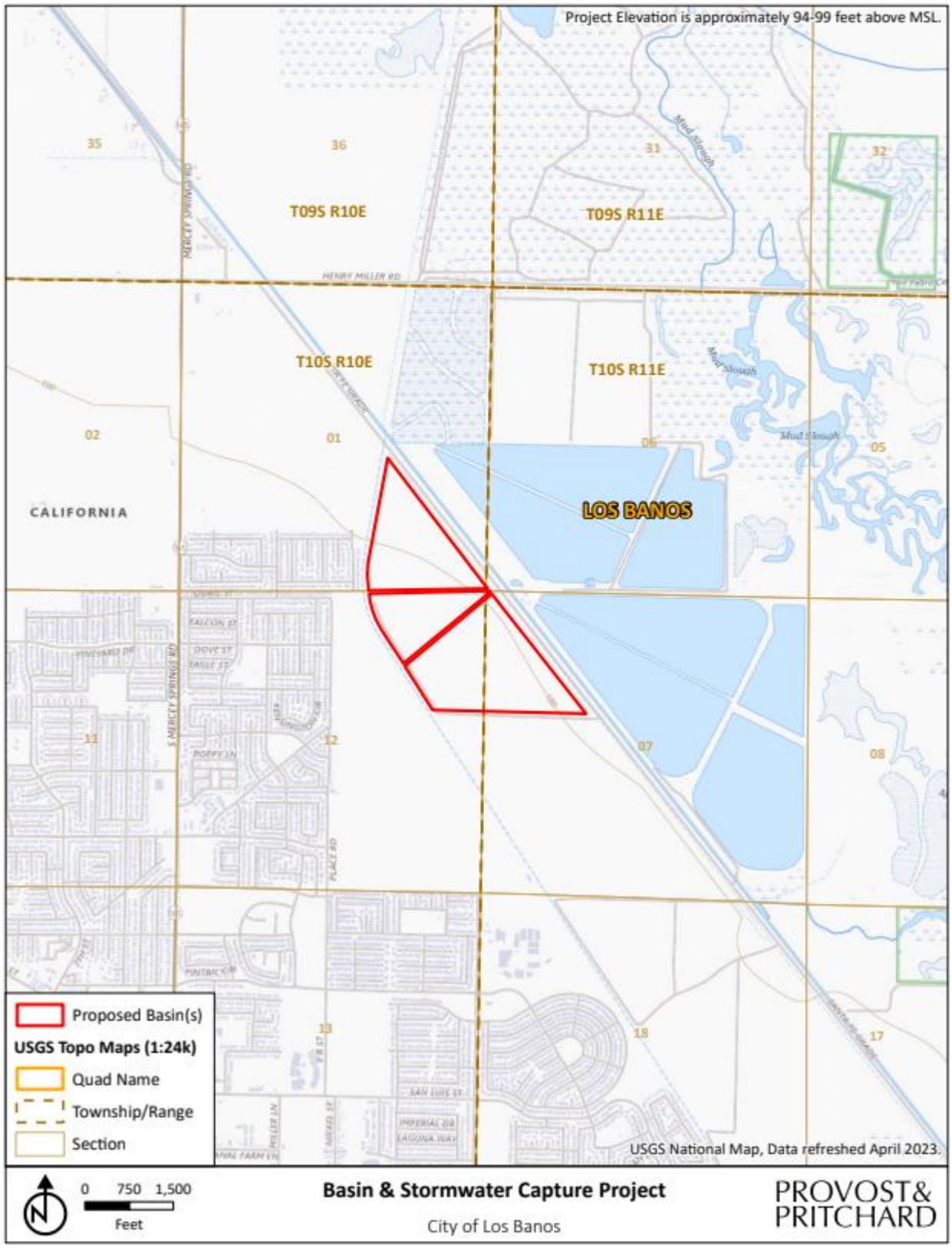


Figure 2-4: Topo Quad Map

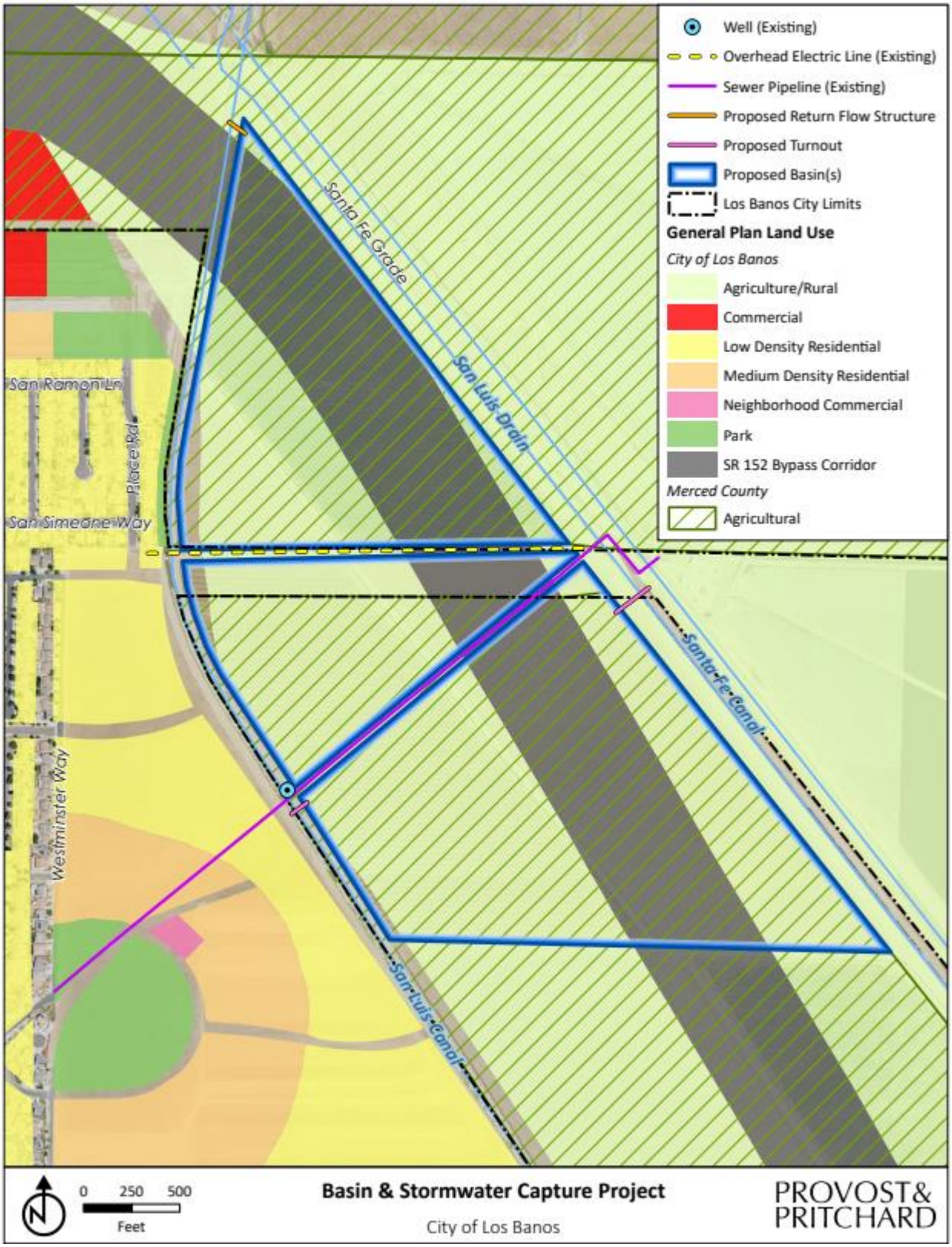


Figure 2-5: General Plan Land Use Designation Map

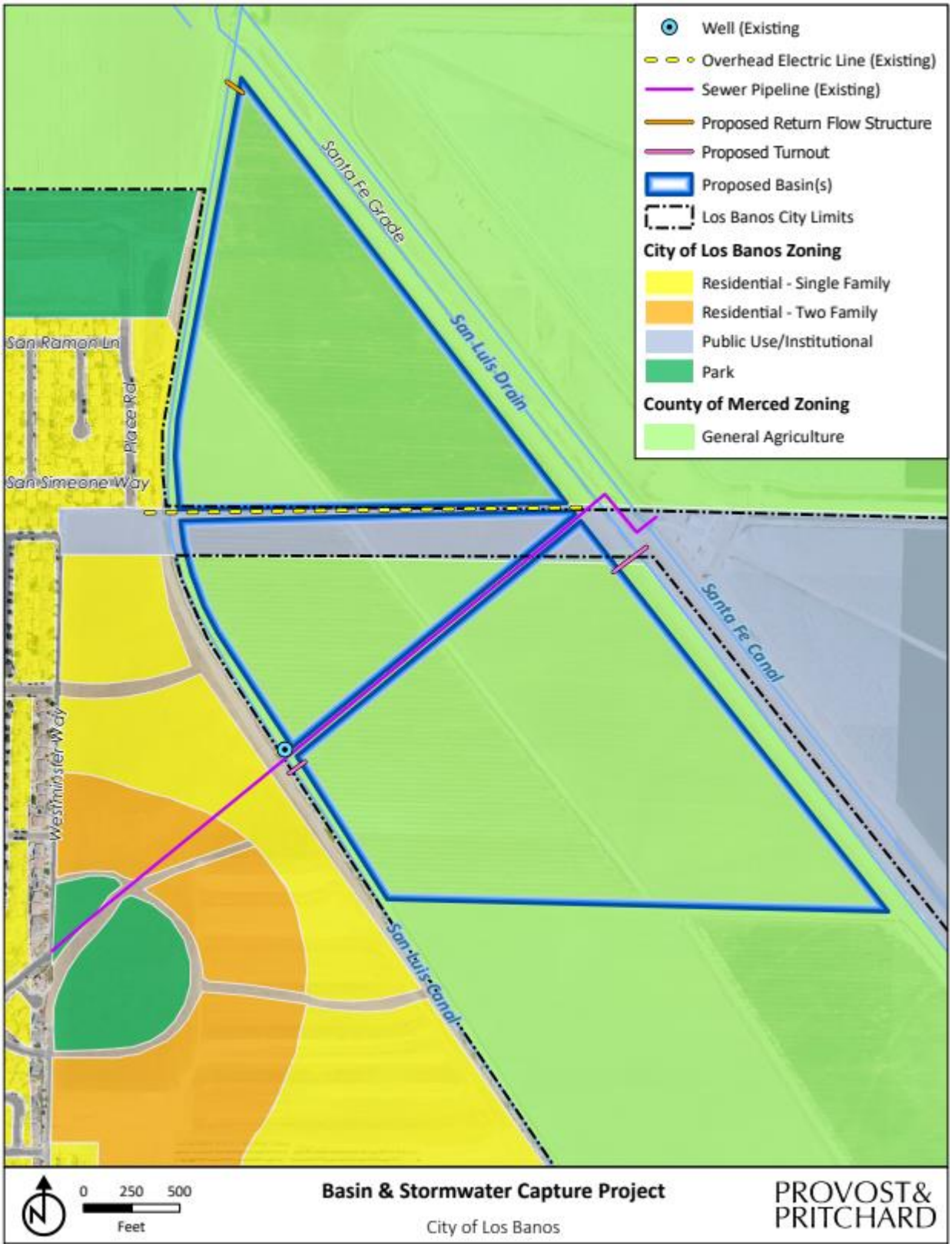


Figure 2-6: Zone District Map

CHAPTER 3 DETERMINATION

3.1 POTENTIAL ENVIRONMENTAL IMPACTS

As indicated by the discussions of existing and baseline conditions, and impact analyses that follow in this Chapter, environmental factors not checked below would have no impacts or less than significant impacts resulting from the Project. Environmental factors that are checked below would have potentially significant impacts resulting from the Project. Mitigation measures are recommended for each of the potentially significant impacts that would reduce the impact to less than significant.

☐ Aesthetics	☐ Agriculture and Forestry Resources	☐ Air Quality
☒ Biological Resources	☒ Cultural Resources	☐ Energy
☒ Geology/Soils	☐ Greenhouse Gas Emissions	☐ Hazards and Hazardous Materials
☐ Hydrology / Water Quality	☐ Land Use/Planning	☐ Mineral Resources
☐ Noise	☐ Population/Housing	☐ Public Services
☐ Recreation	☐ Transportation	☒ Tribal Cultural Resources
☐ Utilities and Service Systems	☐ Wildfire	☒ Mandatory Findings of Significance

The analyses of environmental impacts in Chapter 4 Environmental Impact Analysis result in an impact statement, which shall have the following meanings.

Potentially Significant Impact. This category is applicable if there is substantial evidence that an effect may be significant, and no feasible mitigation measures can be identified to reduce impacts to a less than significant level. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.

Less than Significant with Mitigation Incorporated. This category applies where the incorporation of mitigation measures would reduce an effect from a "Potentially Significant Impact" to a "Less than Significant Impact." The lead agency must describe the mitigation measure(s), and briefly explain how they would reduce the effect to a less than significant level (mitigation measures from earlier analyses may be cross-referenced).

Less than Significant Impact. This category is identified when the proposed Project would result in impacts below the threshold of significance, and no mitigation measures are required.

No Impact. This category applies when a project would not create an impact in the specific environmental issue area. "No Impact" answers do not require a detailed explanation if they are adequately supported by the information sources cited by the lead agency, which show that the impact does not apply to the specific project (e.g. the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g. the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).

3.2 DETERMINATION

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

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

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

Signature

8/27/24
Date

Stacy Souza Elms
Printed Name/Position

Community + Econ. Dev. Director

CHAPTER 4 ENVIRONMENTAL IMPACT ANALYSIS

4.1 AESTHETICS

Table 4-1: Aesthetics Impacts

Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Have substantial adverse effect on a scenic vista?	☐	☐	☒	☒
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
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?	☐	☐	☒	☐
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☒

4.1.1 Baseline Conditions

The Project site is situated northeast of central Los Banos in Merced County (County), California. Lands in the Project's vicinity consist of relatively flat, irrigated farmland and retired farmland, as well as low density residential neighborhoods to the west and southwest. Scenic features in the area include the substantial expanse of agricultural uses and the Los Banos Wildlife Area northeast of the site.

According to the California Department of Transportation, the closest eligible and officially designated California State Scenic Highway is State Route (SR) 152 beginning at its junction with Interstate 5 (I-5) approximately 8.5 miles west-southwest of the Project.[3] The portion of I-5 that heads north from this junction is also considered to be a scenic highway. There are no known historic buildings in the immediate vicinity of the Project.

4.1.2 Impact Analysis

[3] (California Department of Transportation 2023)

a) Have substantial adverse effect on a scenic vista?

No Impact. The Project proposes the construction of a surface and storm water capture basin on approximately 180 acres. Scenic features in the area include the Los Banos Wildlife Area as well as, more generally, the vast expanse of agricultural uses. The Project would not obstruct the viewshed of these features during construction or implementation. The Project would not obstruct the viewshed of these features during construction or implementation, and the proposed basin would be cohesive with the agricultural uses in the are. The basin would be consistent with the overall character of the surrounding areas and would not stand out in any remarkable manner.. The City maintains existing wastewater basins near the site to the east. As such, there would be no impact.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

No Impact. There are no identified scenic resources, trees, rock outcroppings, or historic buildings within the Project site. There would be no components of the Project that would cause obstruction to the general public view of natural features, nor would the Project have an adverse effect on a scenic view. The nearest scenic highway to the Project is SR 152 starting at its junction with I-5, which is situated approximately 8.5 miles from the Project site. As such, the Project site is not visible from a designated scenic highway. There would be 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?

Less than Significant Impact. The visual character of the Project area is mostly dominated by existing agricultural lands and rural infrastructure, as well as residences within the City's limits adjacent to San Luis Canal which borders the Project site. The basin would be consistent with agricultural uses and other uses in the area. While there are low density residential areas to the west and southwest of the Project area, once construction activities are complete, the surface and storm water capture basin would not substantially degrade the visual character of the area, fitting cohesively with adjacent farmland and the existing wastewater treatment ponds to the east of the Project site. Moreover, the proposed basin would be constructed at approximately the same level as existing ground elevations in the areas. Impacts would be less than significant.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

No Impact. The area surrounding the Project site is primarily agriculture and rural uses. There would not be any light fixtures installed as part of the Project. Vehicular traffic to the site after the facility is constructed would be limited to as-needed daytime maintenance trips. Therefore, the Project would not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area or be inconsistent with existing conditions. There would be no impact.

4.2 AGRICULTURE AND FORESTRY RESOURCES

Table 4-2: Agriculture and Forest Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☐	☐	☒	☐
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
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))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
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?	☐	☐	☒	☐

4.2.1 Baseline Conditions

The Project site is in a relatively flat area historically used for agriculture. The site is surrounded by land in agricultural use, as well as residences to the west within the limits of the City. The majority of the Project site is zoned A-1 General Agriculture with a sliver zoned Public Use/Institutional, and the site is designated as Prime Farmland.[4]

The County is a part of California's agricultural heartland. A wide range of commodities are cultivated in the County, including almonds, milk, potatoes, tomatoes, hay, and various berries, among numerous others. Rich soil, irrigation water, Mediterranean climate, and steady access to local, national, and global markets make this possible. In 2021, Merced County agricultural commodities grossed more than $3.7 billion.[5] The dairy industry continued to be the County's number one commodity at $1.1 billion. Almonds remained the second highest grossing crop at $485 million.[6]

[4] (California Department of Conservation 2023)
[5] (CalAgroClimate 2023)
[6] Ibid

Much of the land surrounding the Project site is zoned for agricultural use, with the majority designated as Prime Farmland, as well as some residential land and parkland to the west, and municipal uses to the east. The Project site is zoned for A-1 Agriculture and Public Use/Institutional.

Farmland Mapping and Monitoring Program (FMMP): The California Department of Conservation's (DOC) 2012 FMMP is a non-regulatory program that produces "Important Farmland" maps and statistical data used for analyzing impacts on California's agricultural resources. Agricultural land is rated according to soil quality and irrigation status; the best quality land is called Prime Farmland. The maps are updated every two years with the use of a computer mapping system, aerial imagery, public review, and field reconnaissance. The Important Farmland maps identify eight land use categories, five of which are agriculture related: Prime Farmland, Farmland of Statewide Importance, Unique Farmland, Farmland of Local Importance, and Grazing Land – rated according to soil quality and irrigation status. Each is summarized below[7]:

- PRIME FARMLAND (P): Farmland with the best combination of physical and chemical features able to sustain long term agricultural production. This land has the soil quality, growing season, and moisture supply needed to produce sustained high yields. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- FARMLAND OF STATEWIDE IMPORTANCE (S): Farmland similar to Prime Farmland but with minor shortcomings, such as greater slopes or less ability to store soil moisture. Land must have been used for irrigated agricultural production at some time during the four years prior to the mapping date.
- UNIQUE FARMLAND (U): Farmland of lesser quality soils used for the production of the state's leading agricultural crops. This land is usually irrigated but may include non-irrigated orchards or vineyards as found in some climatic zones in California. Land must have been cropped at some time during the four years prior to the mapping date.
- FARMLAND OF LOCAL IMPORTANCE (L): Land of importance to the local agricultural economy as determined by each county's board of supervisors and a local advisory committee.
- GRAZING LAND (G): Land on which the existing vegetation is suited to the grazing of livestock. The minimum mapping unit for Grazing Land is 40 acres.
- URBAN AND BUILT-UP LAND (D): Land occupied by structures with a building density of at least 1 unit to 1.5 acres, or approximately 6 structures to a 10-acre parcel. This land is used for residential, industrial, commercial, institutional, public administrative purposes, railroad and other transportation yards, cemeteries, airports, golf courses, sanitary landfills, sewage treatment, water control structures, and other developed purposes.
- OTHER LAND (X): Land not included in any other mapping category. Common examples include low density rural developments; brush, timber, wetland, and riparian areas not suitable for livestock grazing; confined livestock, poultry or aquaculture facilities; strip mines, borrow pits; and water bodies smaller than 40 acres. Vacant and nonagricultural land surrounded on all sides by urban development and greater than 40 acres is mapped as Other Land.
- WATER (W): Perennial water bodies with an extent of at least 40 acres.

[7] (California Department of Conservation 2022)

As demonstrated in Figure 4-1, the FMMP for the County designates the Project site as Prime Farmland.[8] Adjacent land to the Project site is designated as Prime Farmland, Unique Farmland, Urban and Built-Up Land, and Vacant or Disturbed Land according to the FMMP.

Williamson Act: The Williamson Act, also known as the California Land Conservation Act of 1965, enables local governments to enter into contracts with private landowners for the purpose of restricting specific parcels of land to agricultural or related open space use. In return, landowners receive property tax assessments which are much lower than normal because they are based upon farming and open space uses as opposed to full market value.

The DOC assists all levels of government and landowners in the interpretation of the Williamson Act related government code. The DOC also researches, publishes, and disseminates information regarding the policies, purposes, procedures, and administration of the Williamson Act according to government code. Participating counties and cities are required to establish their own rules and regulations regarding implementation of the Act within their jurisdiction. These rules include, but are not limited to, enrollment guidelines, acreage minimums, enforcement procedures, allowable uses, and compatible uses. The Project site is not under any Williamson Act Contract.

4.2.2 Impact Analysis

a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Less than Significant Impact.

The Project basin site is designated as Prime Farmland and is currently being farmed. The northern portion of the site (north of overhead electric lines) was planted in winter wheat (January 2024), and the southern portion had an alfalfa crop. The Project would technically convert the land from its existing agricultural use to a use that is considered Urban and Built-Up Land pursuant to the FMMP; however, the main purpose of said conversion is to support ongoing agricultural endeavors by putting to use surface water that would have been lost to the service area and enhancing groundwater availability. The Project would entail the construction of basins to utilize storm, flood and other surface water that is not being put to use presently, which allows less groundwater to be pumped. Small amounts of groundwater recharge would also occur. The basin would ultimately benefit water resources that may be used for agricultural lands in the vicinity and thereby prevent other agricultural lands from being fallowed due to inadequate or costly recovery of declining groundwater or lack of surface water supplies. Since the Project site would continue to serve an agricultural purpose, implementation of the Project would not result in the conversion of farmland to nonagricultural use. Additionally, groundwater replenishment associated with the Project is consistent with the goals of the SGMA. Therefore, there would be no impact.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. Pursuant to Government Code Section 53091(e), location or construction of facilities for the production, generation, storage, treatment, or transmission of water by a special district are not subject to the zoning ordinance of the county in which the project would be located. Although the Project is not

[8] (California Department of Conservation 2023)

required to comply with the City of Los Banos Zoning Ordinance nor the Merced County Zoning Ordinance, it is the Project's intent to store and re-regulate surface water supplies, thereby sustaining agriculture. Moreover, the small portion of the Project site within Los Banos city limits is zoned Public Use/Institutional which includes storm drainage basins as a permitted use (Section 9-3.1602). The proposed basin would facilitate greater security of groundwater storage for growers, inherently promoting the agricultural zoning in the County and Williamson Act intentions. The Project parcels are not under a Williamson Act contract. Nonetheless, the implementation of the Project basin would promote surface water and groundwater security, inherently protecting agricultural resources. Therefore, there would be 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))?

d) Result in the loss of forest land or conversion of forest land to non-forest use?

c) and d) No Impact. There are no forests or timberland lands in the Project area or vicinity.[9] The Project does not propose any rezoning; it would not convert forest land to non-forest use. There would be 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?

Less than Significant Impact. As previously mentioned, the Project would convert the land from its existing agricultural use to a use that is considered Urban and Built-Up Land pursuant to the FMMP. Nonetheless, it would also benefit water resources that may be used for agricultural uses in the area. The Project would likely result in continued farming on agricultural lands that might otherwise be fallowed due to lack of water. As such, impacts would be less than significant.

[9] (United States Forest Service n.d.)

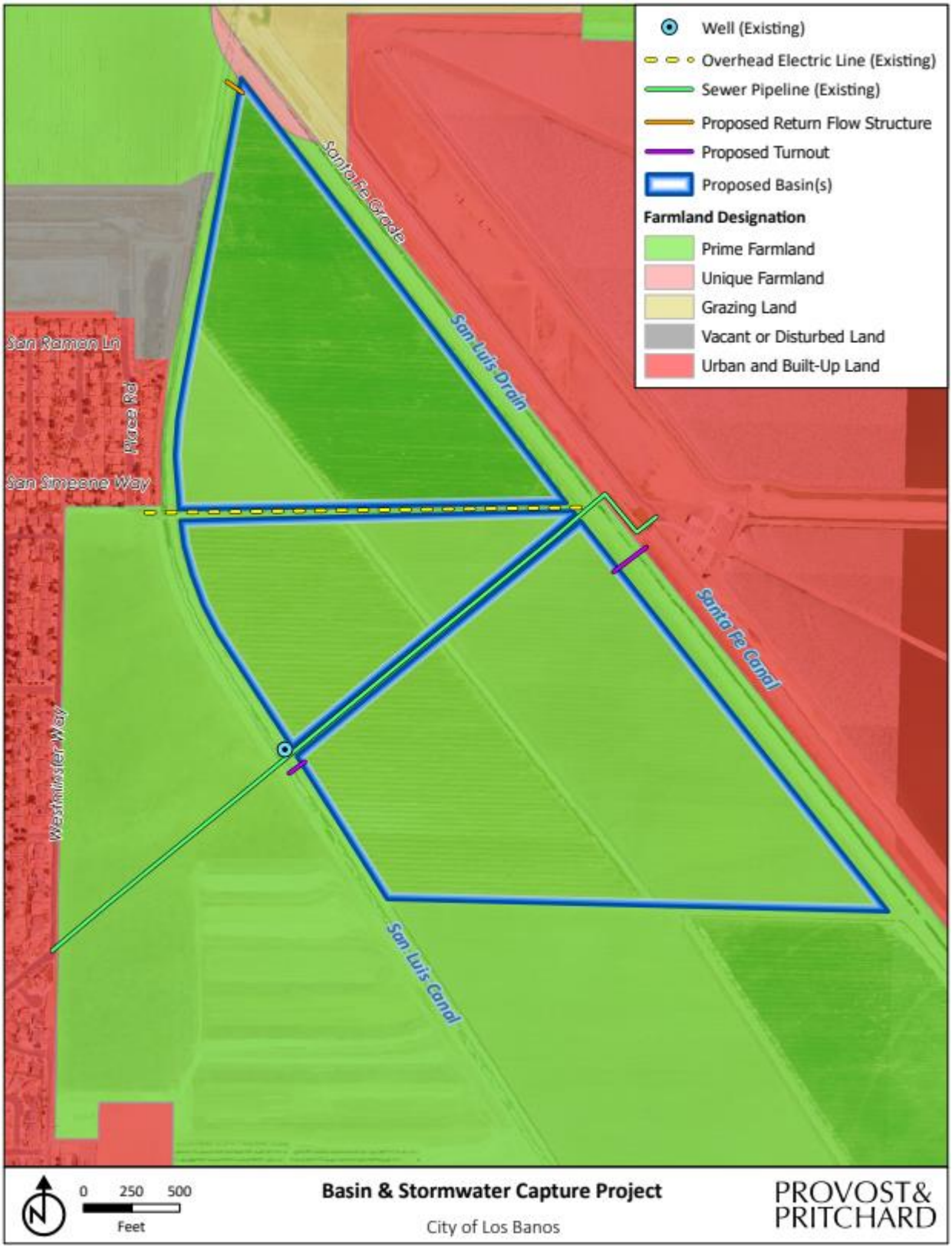


Figure 4-1: Farmland Designation Map

4.3 AIR QUALITY

Table 4-3: Air Quality Impacts

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?	☐	☐	☐	☒
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?	☐	☐	☒	☐
c) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☐	☐	☒	☐

4.3.1 Baseline Conditions

The Project would be located in the County of Merced, within the boundaries of the San Joaquin Valley Air Pollution Control District (SJVAPCD) and the San Joaquin Valley Air Basin (SJVAB). The SJVAB is positioned within the San Joaquin Valley of California. The San Joaquin Valley is bounded by the Sierra Nevada Mountain Range to the east and the Coastal Mountain Range to the west. Wind within the SJVAB typically channels south-southwest during the summer months, while wind flows to the north-northwest during the winter months. Wind velocity for the region is considered low for an area of such size.[10] Due to a lack of strong wind and the natural confinement of the mountain ranges surrounding the SJVAB, the region experiences some of the worst air quality in the world.

The Project site is an agricultural site dominated by agricultural land uses, wastewater treatment ponds, and low-density residential areas.

Regulatory Attainment Designations

Under the California Clean Air Act (CCAA), the California Air Resources Board (CARB) is required to designate areas of the State as attainment, nonattainment, or unclassified with respect to applicable standards. An "attainment" designation for an area signifies that pollutant concentrations did not violate the applicable standard in that area. A "nonattainment" designation indicates that a pollutant concentration violated the applicable standard at least once, excluding those occasions when a violation was caused by an exceptional event, as defined in the criteria. Depending on the frequency and severity of pollutants exceeding applicable standards, the nonattainment designation can be further classified as serious nonattainment, severe nonattainment, or extreme nonattainment, with extreme nonattainment being the most severe of the classifications. An "unclassified" designation signifies that the data does not support either an

(San Joaquin Valley Air Pollution Control District 2022)

attainment or nonattainment designation. The CCAA divides districts into moderate, serious, and severe air pollution categories, with increasingly stringent control requirements mandated for each category.

The United States Environmental Protection Agency (USEPA) designates areas for ozone, CO, and Nitrogen Dioxide (NO_2) as "does not meet the primary standards," "cannot be classified," or "better than national standards." For Sulfur Dioxide (SO_2), areas are designated as "does not meet the primary standards," "does not meet the secondary standards," "cannot be classified," or "better than national standards." However, the CARB terminology of attainment, nonattainment, and unclassified is more frequently used. The USEPA uses the same sub-categories for nonattainment status: serious, severe, and extreme. In 1991, USEPA assigned new nonattainment designations to areas that had previously been classified as Group I, II, or III for particulate matter 10 microns in size (PM_{10}) based on the likelihood that they would violate national PM_{10} standards. All other areas are designated "unclassified."

The state and national attainment status designations pertaining to the SJVAB are summarized in Appendix A. The SJVAB is currently designated as a nonattainment area with respect to the State PM_{10} standard, ozone, and particulate matter 2.5 microns in size ($PM_{2.5}$) standards. The SJVAB is designated nonattainment for the National Ambient Air Quality Standard (NAAQS) 8-hour ozone and $PM_{2.5}$ standards. On September 25, 2008, the USEPA re-designated the San Joaquin Valley to attainment status for the PM_{10} NAAQS and approved the PM_{10} Maintenance Plan.

Table 4-4: Summary of Ambient Air Quality Standards and Attainment Designation

Pollutant	Averaging Time	California Standards*		National Standards*	
		Concentration*	Attainment Status	Primary	Attainment Status
Ozone (O_3)	1-hour	0.09 ppm	Nonattainment/ Severe	–	No Federal Standard
	8-hour	0.070 ppm	Nonattainment	0.070 ppm	Nonattainment (Extreme)**
Particulate Matter (PM_{10})	AAM	20 µg/m^3	Nonattainment	–	Attainment
	24-hour	50 µg/m^3		150 µg/m^3	
Fine Particulate Matter ($PM_{2.5}$)	AAM	12 µg/m^3	Nonattainment	12 µg/m^3	Nonattainment
	24-hour	No Standard		35 µg/m^3	
Carbon Monoxide (CO)	1-hour	20 ppm	Attainment/ Unclassified	35 ppm	Attainment/ Unclassified
	8-hour	9 ppm		9 ppm	
	8-hour (Lake Tahoe)	6 ppm		–	
Nitrogen Dioxide (NO_2)	AAM	0.030 ppm	Attainment	53 ppb	Attainment/ Unclassified
	1-hour	0.18 ppm		100 ppb	
Sulfur Dioxide (SO_2)	AAM	–	Attainment	--	Attainment/ Unclassified
	24-hour	0.04 ppm		--	
	3-hour	–		0.5 ppm	
	1-hour	0.25 ppm		75 ppb	
Lead (Pb)	30-day Average	1.5 µg/m^3	Attainment	–	No Designation/ Classification
	Calendar Quarter	–		--	
	Rolling 3-Month Average	–		0.15 µg/m^3	

Pollutant	Averaging Time	California Standards*		National Standards*	
		Concentration*	Attainment Status	Primary	Attainment Status
Sulfates (SO_4)	24-hour	25 µg/m^3	Attainment	No Federal Standards	
Hydrogen Sulfide (H_2S)	1-hour	0.03 ppm (42 µg/m^3)	Unclassified		
Vinyl Chloride (C_2H_3Cl)	24-hour	0.01 ppm (26 µg/m^3)	Attainment		
Visibility-Reducing Particle Matter	8-hour	Extinction coefficient: 0.23/kilometers-visibility of 10 miles or more due to particles when the relative humidity is less than 70%.	Unclassified		

** For more information on standards visit: https://ww3.arb.ca.gov/research/aaqs/aaqs2.pdf*
*** No Federal 1-hour standard. Reclassified extreme nonattainment for the Federal 8-hour standard 2024.*
****Secondary Standard*
Source: CARB 2015; SJVAPCD 2015

Construction-Generated Emissions

Construction of the Project is assumed to be completed over approximately six months. Emissions associated with the Project were calculated using California Emissions Estimator Modeling software (CalEEMod) Air Quality Model, Version 2020.4.0. The emissions modeling includes emissions generated by off-road equipment, haul trucks, and worker commute trips. Emissions were quantified based on anticipated construction schedules and the default parameters contained in the model. Localized air quality impacts associated with the Project would be minor and were qualitatively assessed. Modeling assumptions and output files are included in Appendix A.

Thresholds of Significance

Air pollutant emissions have regional effects and localized effects. This analysis assesses the regional effects of the Project's criteria pollutant emissions in comparison to SJVAPCD thresholds of significance for short-term construction activities and long-term operation of the Project. Localized emissions from Project construction and operation are also assessed using concentration-based thresholds that determine if the Project would result in a localized exceedance of any ambient air quality standards or would make a cumulatively considerable contribution to an existing exceedance.

The primary pollutants of concern during Project construction and operation are reactive organic gases (ROG), Nitrogen Oxides (NO_X), PM_{10}, and $PM_{2.5}$. The SJVAPCD Guide for Assessing and Mitigating Air Quality Impacts (GAMAQI) adopted in 2015 contains thresholds for ROG and NO_X; Sulfur Oxides (SO_X), CO, PM_{10}, and $PM_{2.5}$.

Ozone is a secondary pollutant that can be formed miles away from the source of emissions through reactions of ROG and NO_X emissions in the presence of sunlight. Therefore, ROG and NOx are termed ozone precursors. The SJVAB often exceeds the state and national ozone standards. Therefore, if the Project emits a substantial quantity of ozone precursors, the Project may contribute to an exceedance of the ozone standard. The SJVAB also exceeds air quality standards for PM_{10}, and $PM_{2.5}$; therefore, substantial Project emissions may contribute to an exceedance for these pollutants.

The SJVAPCD adopted significance thresholds for construction-related and operational ROG, NO_X, PM, CO, and SO_X, these thresholds are included in Table 4-5.

Table 4-5: Project-Level Air Quality CEQA Thresholds of Significance

Pollutant	Significance Threshold	
	Construction Emissions (tons/year)	Operational Emissions (tons/year)
ROG	10	10
NO_X	10	10
CO	100	100
SO_X	27	27
PM_{10}	15	15
$PM_{2.5}$	15	15

Source: SJVAPCD. 2015. Guidance for Assessing and Mitigating Air Quality Impacts. Website: https://www.valleyair.org/transportation/GAMAQI-2015/FINAL-DRAFT-GAMAQI.PDF. Accessed November 2, 2023.

4.3.2 Impact Analysis

Short-Term Construction-Generated Emissions

Estimated construction-generated emissions are summarized in **Table 4-6**

Table 4-6 and Table 4-7. Operational emissions of the proposed Project would be considered negligible due to the type of use proposed on-site.

Table 4-6: Unmitigated Short-Term Construction Generated Emissions of Criteria Air Pollutants

Source	Annual Emissions (Tons per Year)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Maximum Annual Project Construction Emissions	0.2379	2.2681	2.0848	0.0037	0.4214	0.2345
SJVAPCD Threshold	*10*	*10*	*100*	*27*	*15*	*15*
Threshold Exceeded?	No	No	No	No	No	No

Table 4-7: Maximum Daily Construction Related Emissions of Criteria Air Pollutants

Source	Daily Emissions Maximum (in pounds)					
	ROG	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Construction – Summer	3.6358	34.373	31.561	0.0609	5.1908	2.7931
Construction – Winter	3.7379	36.049	33.848	0.0609	9.4000	5.4431
SJVAPCD Threshold	*100*	*100*	*100*	*100*	*100*	*100*
Threshold Exceeded?	No	No	No	No	No	No

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

No Impact. The Project would not conflict with or obstruct implementation of the applicable air quality plan. The Project would align with the standards and guidelines set by the SJVAPCD. Therefore, there would be no impact.

b) Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?

Less than Significant Impact. The Project would not result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is in non-attainment. As shown in

and Table 4-7, the Project would not exceed an emissions threshold which has been set by the SJVAPCD for construction related emissions. The Project would result in negligible quantities of operational emissions. Therefore, impacts would be less than significant.

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

Less than Significant Impact. As discussed above, the Project would not result in significant long-term operational emissions. Constructed related emissions, shown in Table 4-6in

Table 4-6 and Table 4-7, would be temporary in nature and would cease upon Project construction.

Short-term construction activities, however, could result in temporary increases in pollutant concentrations that could impact nearby sensitive receptors. Sensitive Receptors are groups that would be more affected by air, noise, and light pollution, pesticides, and other toxic chemicals than others. This includes infants, children under 16, elderly over 65, athletes, and people with cardiovascular and respiratory diseases. High concentrations of these groups would include daycares, residential areas, hospitals, elder care facilities, schools and parks. While the Project would be located in an area near sensitive receptors, such as the residential homes to the northwest and southwest, the Project would not exceed the daily emission thresholds set by the SJVAPCD. Nonetheless, due to the closest residence being within 100 feet of the Project, the HARP2 air dispersion model was run for the Project site to show the health risk the Project would have on sensitive receptors in the area. The model run, which can be viewed in Appendix A, indicates that the Project would result in a cancer risk of 5.89 in one million, which is less than the SJVAPCD's threshold of 20 in one million. The Project would also present a chronic hazard index of 0.0086 and an acute hazard index of 0, which would be less than the SJVAPCD's threshold of one for both chronic and acute. Therefore, impacts would be less than significant.

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

Less than Significant Impact. During construction activities, construction equipment exhaust would temporarily emit odors. Construction would be completed within the County of Merced and the outer city limits of Los Banos. As such, it could have an effect on some residences that would be located near the construction area of the Project. Construction of the Project would be temporary, and odors would not remain after Project completion. Therefore, impacts would be less than significant.

4.4 BIOLOGICAL RESOURCES

Table 4-8: Biological Resources Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
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?	☐	☐	☒	☐
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
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?	☐	☐	☒	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
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?	☐	☐	☒	☐

4.4.1 Baseline Conditions

The Project site is located at the western edge of the San Joaquin Valley. The San Joaquin Valley is bordered by the Sierra Nevada to the east, the Tehachapi Mountains to the south, the California coastal ranges to the west, and the Sacramento-San Joaquin Delta to the north. The topography of the Project site is relatively flat with elevations ranging from approximately 94 feet National Geodetic Vertical Datum (NGVD) at the northern extent of the site and 99 feet NGVD at the southern extent.

The Project site is situated within agricultural and developed lands, with residential development and field crops to the west, field crops (currently cotton) to the south, a wastewater treatment plant to the east, and

fallow fields to the north. The principal drainages in the Project vicinity are the Santa Fe Canal and San Luis Drain, which border the eastern side of the Project site, and San Luis Canal, which borders the western side of the Project site. The Santa Fe and San Luis Canals are manmade agricultural irrigation canals owned and operated by GWD, that ultimately are served from a turnout off of the Mendota Pool on the San Joaquin River, allowing Central Valley Project or local water supplies to be directed to the project site. The canals are artificial in nature, do not appear to be constructed in the location of pre-existing waterways, do not have naturalized habitat features, and were not historically used for navigation. The San Luis Drain is a concrete lined canal owned by the US Bureau of Reclamation that historically collected agricultural drainage water and deposited it into evaporation ponds known as Kesterson Reservoir. The San Luis Drain is currently used for agricultural stormwater drainage.

Climate

Like most of California, the San Joaquin Valley experiences a Mediterranean climate. Warm dry summers are followed by cool moist winters. Summer temperatures commonly exceed 100 degrees Fahrenheit, and the relative humidity is generally very low. Winter temperatures range from 30 to 75 degrees Fahrenheit. Annual precipitation in the vicinity of the Project is about 10 inches, almost 85% of which falls between the months of October and March. Nearly all precipitation falls in the form of rain.

Soils

The Project site contains four soil mapping units: Britto clay loam; Stanislaus clay loam; Stanislaus clay loam, wet; and Woo clay loam, 0 to 2 percent slopes. It is almost entirely composed of Woo clay loam, 0 to 2 percent slopes. Of these four soil mapping units only Britto clay loam is considered hydric. Britto clay loam accounts for approximately 1.32 acres of the approximately 180-acre APE in the northernmost portion. A hydric soil is defined as saturated, flooded, or ponded for long enough periods during the growing season to develop anaerobic conditions such that under sufficiently wet conditions they support hydrophytic (water-loving) vegetation, such conditions are typically found in depressions within hydric soils forming vernal pools and wetland swales.

Soils within the Project site and surrounding lands have been subjected to decades of soil-disturbing activities associated with agricultural use, road and canal construction, and urban and rural development, and therefore no longer maintain their native soil characteristics. As a result, soil characteristics of the site are of no significance to rare or endangered plant or animal species within the region.

Biotic Habitats within the Project Area

Two habitat or land use types, agriculture and irrigation canal, were observed within the Project APE during the biological field surveys performed by Live Oak Associates (LOA) in September 2023. These land uses and their constituent plant and animal species are described in more detail below. A list of the vascular plant species observed within the Project site and a list of the terrestrial vertebrates using, or potentially using, the site is provided in Appendix B. Representative photos of the Project site are also presented in Appendix B.

Agricultural

A vast majority of the Project area consisted of agricultural areas that, at the time of LOA's field survey, consisted of alfalfa, disced fields, ditches, and narrow concrete irrigation canals that bordered the fields. Vegetation within agricultural areas at the time of the field survey was dominated by alfalfa. Recently disced areas of the site were mostly barren of vegetation. Common agricultural weeds were observed primarily

along field margins. Common weedy grasses observed included ripgut brome (*Bromus diandrus*), barnyard barley (*Hordeum murinum*) and Bermudagrass (*Cynodon dactylon*). Annual weedy forbs observed included red stemmed filaree (*Erodium cicutarium*), puncture vine (*Tribulus terrestris*), purselane (*Portulaca oleracea*), prickly lettuce (*Lactuca serriola*), Russian thistle (*Salsola tragus*), five-hook bassia (*Bassia hyssopifolia*), and red-root amaranth (*Amaranthus retroflexus*), among others.

Regular agricultural activities within the Project area create unsuitable habitat for most native amphibian, reptile, bird, and mammal species. Nonetheless, a number of animal species are expected to use agricultural lands of the site. Sierran treefrogs (*Pseudacris sierra*) and western toads (*Bufo boreas*) may be found in portions of agricultural lands that are adjacent to irrigation canals that provide potentially suitable breeding habitat. Reptile species that may forage in this habitat include the side-blotched lizard (*Uta stansburiana*), gopher snake (*Pituophis melanoleucus*), and common kingsnake (*Lampropeltis getulus*).

Resident bird species expected to use this habitat would include Brewer's blackbirds (*Euphagus cyanocephalus*), brown-headed cowbirds (*Molothrus ater*), and Northern mocking birds *(Mimus polyglottus),* among others. Wintering birds that may utilize these lands include the savannah sparrow (*Passerella sandwichensis*), American pipit (*Anthus rubescens*), and Say's phoebe (*Sayornis saya*), among others. Summer migrants such as the barn swallow (*Hirundo rustica*) may forage over the site's agricultural lands.

The site's fields may also be used by foraging raptors such as red-tailed hawks (*Buteo jamaicensis*), Swainson's hawks (*Buteo swainsoni*), Northern Harriers (*Circus hudsonius*) (observed), burrowing owls (*Athene cunicularia*) (observed), and barn owls (*Tyto alba*).

Burrowing rodent activity on the site's agricultural lands is expected to be limited due to regular ground-disturbing practices associated with crop production, nevertheless, open burrows made by California ground squirrels (*Otospermophilus beecheyi*) and Botta's pocket gophers (*Thomomys bottae*) were found on the edges of fields. Disturbance-tolerant mammalian predators such as raccoons (*Procyon lotor*), striped skunks (*Mephitis mephitis*), and coyotes (*Canis latrans*) may also occasionally forage on or pass through the site's agricultural lands.

The three sections of canals within the Project area offered a varying degree of value to native wildlife, dependent on the flow regime, lining substrate, and maintenance activity. Wildlife use of the canals was most apparent in the San Luis and Santa Fe Canal portions. Crustaceans such as crayfish (*Pacifastacus sp.*) and non-native fish species like black bullhead catfish (*Ameiurus melas*) may be found in both canals. Amphibians such as the American bullfrog (*Lithobates catesbeianus*), the Sierran tree frog (*Pseudacris sierra*) and western toad (*Bufo boreas*) may also occur here. These and other prey species such as mosquito fish (*Gambusia affinis*) may attract wading birds such as the great blue heron (*Ardea herodias*) and great egret (*Ardea alba*). Burrowing owls may find nesting/roosting habitat in California ground squirrel burrows in canal banks. Larger mammals such as raccoons and coyotes may utilize the canals for foraging or water.

Canal

The APE contains three sections of the irrigation canals that would be modified with turnouts and pumping structures to control the inlet and outlet of water from the proposed storage basin. These sections of canals and drainages are located at the northmost point, at the mid-east edge, and the mid-west edge of the APE. Both the Santa Fe Canal and San Luis Canal are earthen, while the San Luis Drain is concrete lined. All canals at the time of the survey were inundated with water and appear to stay inundated throughout much of the year according to historic aerial photos, though recent flow records show periods of very little to no flow

in the San Luis Canal. Vegetation within and immediately adjacent to the canals included salt grass (*Dostichlis spicata*), bearded sprangletop (*Leptochloa fusca ssp. fascicularis*), rabbit's foot grass (*Polypogon monspeliensis*), field bindweed (*Convolvulus arvensis*), common water hyacinth (*Eichhornia crassipes*), and Canada horseweed (*Erigeron canadensis*), among others. The upper and outer banks of the canals supported vegetation much the same as the agricultural field margins of the site.

The three sections of canals within the APE offered a varying degree of value to native wildlife, dependent on the flow regime, lining substrate, and maintenance activity. Wildlife use of the canals was most apparent in the San Luis and Santa Fe Canal portions. Crustaceans such as crayfish (*Pacifastacus sp.*) and non-native fish species like black bullhead catfish (*Ameiurus melas*) may be found in both canals. Amphibians such as the American bullfrog (*Lithobates catesbeianus*), the Sierran tree frog (*Pseudacris sierra*) and western toad (*Bufo boreas*) may also occur here. These and other prey species such as mosquito fish (*Gambusia affinis*) may attract wading birds such as the great blue heron (*Ardea herodias*) and great egret (*Ardea alba*). Burrowing owls may find nesting/roosting habitat in California ground squirrel burrows in canal banks. Larger mammals such as raccoons and coyotes may utilize the canals for foraging or water.

Special Status Plants and Animals

Many species of plants and animals within the state of California have low populations, limited distributions, or both. Such species may be considered "rare" and are vulnerable to extirpation as the state's human population grows and the habitats these species occupy are converted to agricultural and urban uses. As described more fully in Appendix B, state and federal laws have provided California Department of Fish and Wildlife (CDFW) and the U.S. Fish and Wildlife Service (USFWS) with a mechanism for conserving and protecting the diversity of plant and animal species native to the state. A sizable number of native plants and animals have been formally designated as threatened or endangered under state and federal endangered species legislation. Others have been designated as "candidates" for such listing. Still others have been designated as "species of special concern" by the CDFW. The California Native Plant Society (CNPS) has developed its own set of lists (i.e., California Rare Plant Ranks, or CRPR) of native plants considered rare, threatened, or endangered. Collectively, these plants and animals are referred to as "special status species."

The California Natural Diversity Data Base (CNDDB) was queried for special status species occurrences in nine USGS 7.5-minute quadrangles on and surrounding the Project APE (Los Banos, San Luis Ranch, Turner Ranch, Delta Ranch, Dos Palos, Charleston School, Ortigalita Peak NW, Volta, and Ingomar). An unofficial species list was obtained using the USFWS Information for Planning and Consultation system for federally listed species with the potential to be affected by the Project. These species, and their potential to occur on the Project site, are listed in Appendix B. Sources of information for this list included California's Wildlife, Volumes I, II, and III (Zeiner et. al 1988-1990), CNDDB, The Jepson Manual: Vascular Plants of California, second edition (Baldwin et al 2012), and CNPS's Inventory of Rare and Endangered Vascular Plants of California, Calflora.org, and eBird.org.

4.4.2 Applicable Regulations

Applicable regulations are discussed in further detail in the Biological Resource Evaluation found in Appendix B.

4.4.3 Impact Analysis

a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less than Significant Impact with Mitigation Incorporated. A list of special status animal and plant species with the potential to occur onsite and/or in the vicinity can be found in Appendix B The Biological Evaluation (Appendix B) discusses these special status animal and plant species and their occurrences in detail in or near each of the basin cell sites. Species identified as candidate, sensitive, or special status species in local or regional plans, policies, or regulations by CDFW or USFWS that have the potential to be impacted by the Project include: burrowing owl, Swainson's Hawk, tricolored blackbird, northern harrier, and mountain plover. Mitigation measures outlined below in Section 4.4.4 would ensure impacts to these species are reduced to less than significant.

b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?

Less than Significant Impact. Although the Project area includes sections of canals where water is present, no riparian habitat or sensitive aquatic habitat was present at the time of the field survey. There are no CNDDB-designated "natural communities of special concern" recorded within the APE. Impacts would be less than significant.

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

Less than Significant Impact. The San Luis and Santa Fe Canals are manmade irrigation canals and not federally protected wetlands. The canals are artificial in nature, do not appear to be constructed in the location of pre-existing waterways, do not have naturalized habitat features, and were not historically used for navigation. Similarly, the San Luis Drain is owned and operated by the US Bureau of Reclamation and not a federally protected wetland. Small sections of these canals would be impacted with the implementation of concrete structures for turnouts to control the inflow and outflow of water from the proposed basin. The exact area of impact to the canals is unknown at the time of this analysis but will almost certainly be less than one acre. Such a small area of impact is considered less than significant under CEQA. The Project would not impact or be located within or near the Coastal Barrier Resources System or its adjacent wetlands, marshes, estuaries, inlets, and near-shore waters. Impacts would be less than significant.

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?

Less than Significant Impact. Wildlife movement corridors are routes that animals regularly and predictably follow during seasonal migration, dispersal from native ranges, daily travel within home ranges, and inter-population movements. Movement corridors in California are typically associated with valleys, ridgelines, and rivers and creeks supporting riparian vegetation. Certain features of the Project area have the potential to function as movement corridors for resident and migratory fish and wildlife species. For instance, the Santa Fe Canal, San Luis Canal, and San Luis Drain could provide a movement corridor for non-native fish and other locally occurring wildlife species.

While the Santa Fe Canal, San Luis Canal, and San Luis Drain may provide some movement opportunity for common terrestrial wildlife and non-native fish species, they would not be considered a regionally important movement corridor due to abundant movement opportunity within surrounding agricultural lands and the lack of native fish species anticipated in the canals. Additionally, anthropogenic activities within the APE would deter wildlife from using these corridors during the day, though these deterrents are absent at night. After construction, locally occurring, common fish and wildlife species would utilize these canals in the same manner as before Project build-out. As a result, impacts on wildlife movement corridors would be less than significant.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

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?

e) and f) Less than Significant Impact.

The proposed Project design appears to be consistent with the goals and policies of the Merced County General Plan. No habitat conservation plans are known to pertain to the area containing the Project site. Impacts would be less than significant.

4.4.4 Mitigation

Project-Related Mortality and/or Disturbance of Burrowing Owls

Two burrowing owls were observed along the southeast edge of the APE during LOA's field survey. In addition, many ground squirrel burrows that could provide habitat for burrowing owls were observed along dirt roads, canal berms, and along the edges of agricultural fields within the APE.

If one or more owls are present at the time of construction, individuals would be at risk of construction-related injury or mortality. These small raptors are protected under the Federal Migratory Bird Treaty Act and California Fish and Game Code. Mortality of individual burrowing owls would be a violation of state and federal law and would constitute a significant impact of the Project under CEQA and NEPA.

The Project will also eliminate approximately 180 acres of burrowing owl foraging habitat. The loss of this foraging habitat is not considered a significant impact as many square miles of similar to higher quality habitat will remain in the Project vicinity. The following mitigation measures will be implemented for the protection of the burrowing owl.

4.2.1a (Take Avoidance Survey). A pre-construction "take avoidance" survey will be conducted by a qualified biologist for burrowing owl no less than 14 days prior to the onset of construction in the APE according to the methods described in the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). The survey area will include all suitable habitat on and within 200 meters of the Project impact area, where accessible.

4.2.1b (Avoidance of Active Nests). If Project activities are undertaken during the breeding season (February 1- August 31) and active nest burrows are identified on or within the APE, a 200-meter disturbance-free buffer will be established around these burrows. The buffers will be enclosed with temporary fencing to prevent construction equipment and

workers from entering the setback area. Buffers will remain in place for the duration of the breeding season unless otherwise arranged with CDFW. After breeding season has ended and all young have left the nest, passive relocation of any remaining owls may take place as described below.

4.2.1c (Avoidance or Passive Relocation of Resident Owls). During the non-breeding season (September 1- January 31), resident owls occupying burrows in Project impact areas may either be avoided or passively relocated to alternative habitat. If the Applicant chooses to avoid active owl burrows within the APE during the non-breeding season, a 50-meter disturbance free buffer will be established around these burrows or alterative measures will be implemented in consultation with CDFW. These buffers will be enclosed with temporary fencing and will remain in place until a qualified biologist determines that the burrows are no longer active. If the Applicant chooses to passively relocate owls during the non-breeding season, this activity will be conducted in accordance with a relocation plan prepared by a qualified biologist.

Project-Related Mortality and/or Disturbance of Nesting Swainson's Hawks

Swainson's hawks are relatively common in the Project vicinity. Two nests have been documented approximately one mile north of the Project site and a myriad of nests have been documented within 10-miles of the Project site. The Project APE does not contain nesting habitat for this species and mature trees suitable for nesting are nearly absent from the Project vicinity. However, there are several mature trees suitable for nesting approximately 0.3 to 0.5 miles northwest of the Project site along the Santa Fe Canal. If a Swainson's hawk pair were to nest in one of these trees at the time of construction, Project activities may disturb the adult birds and reduce nesting success. Project activities that adversely affect the nesting success of Swainson's hawks would violate state and federal laws and be considered a significant impact under CEQA and NEPA.

The Project will also eliminate approximately 180 acres of Swainson's hawk foraging habitat. The loss of this foraging habitat is not considered a significant impact as many square miles of similar to higher quality habitat will remain in the Project vicinity. The following mitigation measures will be implemented for the protection of the nesting Swainson's hawk.

4.2.2a (Construction Timing). If feasible, Project construction will occur entirely outside the Swainson's hawk nesting season, typically defined as March 1- September 15.

4.2.2b (Preconstruction Surveys). If construction activities must occur between March 1 and September 15, then within 10 days prior to the start of work, a qualified biologist will conduct preconstruction surveys from publicly accessible roads for Swainson's hawk nests within ½ miles of the APE.

4.2.2c (Avoidance of Active Nests). Should any active nests be discovered within the survey area, an appropriate disturbance-free buffer will be established based on local conditions and agency guidelines. Disturbance free buffers will be identified on the ground with flagging, fencing, or by other easily visible means and will be maintained until a qualified biologist has determined that the young have fledged and are capable of foraging independently.

Project-Related Mortality and/or Disturbance of Nesting Birds

The Project site has the potential to be used for nesting by a variety of ground nesting birds protected by state law. If Project construction takes place during the nesting season, birds nesting on the site could be injured or killed by construction activities or disturbed such that they would abandon their nests. Construction-related mortality of nesting birds and disturbance leading to nest abandonment would violate state laws. The following mitigation measures will be implemented for the protection of nesting birds.

4.2.3a (Construction Timing). If feasible, the Project will be implemented outside of the avian nesting season, typically defined as February 1 to August 31.

4.2.3b (Preconstruction Surveys). If construction is to occur between February 1 and August 31, a qualified biologist will conduct pre-construction surveys for active bird nests within 10 days prior to the start of construction. The survey area will encompass the site and accessible surrounding lands within 250 feet for nesting migratory birds and 500 feet for raptors (i.e., birds of prey).

4.2.3c (Avoidance of Active Nests). Should any active nests be discovered in or near proposed construction zones, the biologist will identify a suitable construction-free buffer around the nest. This buffer will be identified on the ground with flagging or fencing and will be maintained until the biologist has determined that the young have fledged and are capable of foraging independently.

4.5 CULTURAL RESOURCES

Table 4-9: Cultural Resources Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?	☐	☒	☐	☐
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

4.5.1 Baseline Conditions

The County is considered an archaeologically and culturally significant area. Human habitation in the area of present-day Los Banos dates back to at least 1000 BC. Los Banos is within the indigenous territory of the Nopchinchi tribelet of the Northern Valley Yokuts, who displaced earlier Costanoan and Miwok residents of the San Joaquin Valley.

The Project site is located on open flat land in an agricultural and farming landscape. The Project site itself is situated entirely within an agricultural field. On January 10, 2024, ASM Affiliates Inc. completed a Phase I fieldwork survey of the Project site.

Records Search

A records search from the Central California Information Center (CCIC) of the California Historical Resources Information System, located at California State University, Stanislaus was conducted in May 2023. The CCIC records search includes a review of all recorded archaeological and built-environment resources as well as a review of cultural resource reports on file. In addition, the California Points of Historical Interest, the California Historical Landmarks, the California Register of Historical Resources, the National Register of Historic Places (NRHP), and the California State Built Environment Resources Directory listings were reviewed for the above referenced APE and an additional half-mile radius. Due to the sensitive nature of cultural resources, archaeological site locations are not released (Appendix C). According to the records search conducted by CCIC, five previous surveys had been completed within the APE, and no previously recorded resources are known to exist within it. An additional six previous surveys had been completed within a half mile radius of the APE, and 16 previously recorded resources had been recorded within that same radius.

Additional sources included the State Office of Historic Preservation Historic Properties Directory, Archaeological Determinations of Eligibility, and the California Inventory of Historic Resources.

Native American Outreach

The Native American Heritage Commission (NAHC) in Sacramento was also contacted in August 2023. They were provided with a brief description of the Project and a map showing its location and requested that the NAHC perform a search of the Sacred Lands File to determine if any Native American resources have been recorded in the immediate APE. The NAHC identifies, catalogs, and protects Native American cultural resources -- ancient places of special religious or social significance to Native Americans and known ancient graves and cemeteries of Native Americans on private and public lands in California. The NAHC is also charged with ensuring California Native American tribes' accessibility to ancient Native American cultural resources on public lands, overseeing the treatment and disposition of inadvertently discovered Native American human remains and burial items, and administering the California Native American Graves Protection and Repatriation Act (CalNAGPRA), among many other powers and duties. NAHC provide a current list of Native American Tribal contacts to notify of the project. The 15 tribal representatives identified by NAHC were contacted in writing via United States Postal Service in a Project notification letter. These letters were sent on August 17, 2023 to the tribes listed on the NAHC provided contact list for a previous nearby project, with additional letters sent September 14, 2023 to tribes not listed on the previous NAHC provided contact list. Follow up emails were sent on February 7, 2024.

1. Amah Mutsun Tribal Band, Valentin Lopez, Chairperson
2. Amah Mutsun Tribal Band, Ed Ketchum, Vice-Chairperson
3. Dumna Wo-Wah Tribal Government, Robert Ledger, Chairperson
4. North Fork Rancheria of Mono Indians, Mary Stalter, Environmental/Heritage Manager
5. North Fork Rancheria of Mono Indians, Fred Beihn, Chairperson
6. North Valley Yokuts Tribe, Timothy Perez
7. North Valley Yokuts Tribe, Katherine Perez, Chairperson
8. Santa Rosa Rancheria Tachi Yokut Tribe, Leo Sisco, Chairperson
9. Southern Sierra Miwuk Nation, Sandra Chapman, Chairperson
10. Table Mountain Rancheria, Brenda Lavell, Chairperson
11. Table Mountain Rancheria, Bob Pennell, Cultural Resource Director
12. Tule River Indian Tribe, Neil Peyron, Chairperson
13. Tule River Indian Tribe, Joey Garfield, Tribal Archaeologist
14. Tule River Indian Tribe, Kerri Vera, Environmental Department
15. Wuksache Indian Tribe/Eshom Valley Band, Kenneth Woodrow, Chairperson

Two responses were received to the notification letters. The Table Mountain Rancheria responded expressing interest in the Project and requesting results from the records search and cultural resource report, once completed. A response was also received from the Santa Rosa Rancheria Tachi-Yokut Tribe on November 27, 2023 requesting continued consultation, as well as the following:

- Site records from the archaeological records search.
- The survey results once the survey is completed.
- An SLF search through the NAHC and the results if one has not been completed yet.
- To be retained for a Cultural Presentation.
- To have a Curation Agreement in place for this project.
- To have an archaeologist on site for all ground disturbance and to have their daily monitoring logs sent to us at the end of every day.
- To have a Tribal monitoring contract in place to allow the Tribe to provide a monitor for the project when we are able to.

- To be notified of any discoveries made in relation to the project.

The City will continue to work with the tribe and will send a copy of the results from the cultural study and the SLF to the tribe. Tribal Cultural Resources are further discussed in Section 4.18. Mitigation measures for potential archaeological resources and human remains have also been incorporated into the document.

4.5.2 Impact Analysis

a) Would the project cause a substantial adverse change in the significance of a historical resource pursuant to in § 15064.5?

b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5?

a) and b) Less than Significant Impact with Mitigation Incorporated. As stated above, according to the records search conducted by CCIC, five previous surveys had been completed within the APE and no resources were identified as part of those surveys. An additional six previous surveys had been completed within a half mile radius of the APE, and 16 previously recorded resources had been recorded within the half mile buffer of the Project APE.

Based on the records search and other sources, the APE appeared to be highly sensitive regarding the presence of cultural resources (See Appendix C). The Project site has not been associated with the identification of any cultural resource. However, in the event that cultural resources are encountered during Project construction, implementation of mitigation measure CUL-1 outlined below, would reduce impacts to less than significant.

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

Less than Significant Impact with Mitigation Incorporated. The Project would construct a multi-cell basin for water capture and recharge.

There is no evidence or record that the Project has the potential to be an unknown burial site, or the site of buried human remains. In the unlikely event of such a discovery, mitigation shall be implemented. With incorporation of mitigation measure CUL-2 outlined below, impacts resulting from the discovery of remains interred on the Project site would be less than significant.

4.5.3 Mitigation

CUL-1 (Archaeological Remains): Should archaeological remains or artifacts be unearthed during any stage of project activities, work in the area of discovery shall cease until the area is evaluated by a qualified archaeologist. If mitigation is warranted, the project proponent shall abide by recommendations of the archaeologist.

CUL-2 (Human Remains): In the event that any human remains are discovered on the Project site, the Merced County Coroner must be notified of the discovery (California Health and Safety Code, Section 7050.5) and all activities in the immediate area of the find or in any nearby area reasonably suspected to overlie adjacent human remains must cease until appropriate and lawful measures have been implemented. If the Coroner determines that the remains are not recent, but rather of Native American origin, the Coroner shall

notify the Native American Heritage Commission (NAHC) in Sacramento within 24 hours to permit the NAHC to determine the Most Likely Descendent of the deceased Native American.

4.6 ENERGY

Table 4-10: Energy Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☐	☐	☒	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☐	☐	☐	☒

4.6.1 Baseline Conditions

The Project site consists of approximately 180 acres of in-use and vacant farmland next to two existing canals. Pacific Gas and Electric (PG&E) supplies electricity and natural gas to the Project area. PG&E obtains its power through hydroelectric, thermal (natural gas), wind, and solar generation of purchases. PG&E continually produces new electric generation and natural gas sources and implements continuous improvements to gas lines throughout its service areas to ensure the provision of services to residents. New construction would be subject to Titles 20 and 24 of the California Code of Regulations which each serve to reduce demand for electrical energy by implementing energy-efficient standards for residential, as well as non-residential buildings. There is currently power in close proximity to the Project site.

4.6.2 Impact Analysis

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

Less than Significant Impact. Fuel consumed by construction equipment would be the primary energy resource expended over the course of Project construction. For heavy-duty construction equipment, horsepower and load factor were assumed using default data from the CalEEMod model. Fuel use associated with construction vehicle trips generated by the Project was also estimated; trips include construction worker trips, haul trucks trips for material transport, and vendor trips for construction material deliveries. Fuel use from these vehicles traveling to the Project was based on (1) the projected number of trips the Project would generate (CalEEMod default values), (2) default average trip distance by land use in CalEEMod, and (3) fuel efficiencies estimated in the ARB 2017 Emissions Factors model (EMFAC2017) mobile source emission model.

Construction is estimated to consume a total of 27,200 gallons of diesel fuel and 1,020 gallons of gasoline fuel (See Appendix A). California Code of Regulations Title 13, Motor Vehicles, Section 2449(d)(2), Idling, limits idling times of construction vehicles to no more than 5 minutes, thereby precluding unnecessary and wasteful consumption of fuel because of unproductive idling of construction equipment. In addition, the energy consumption for construction activities would not be ongoing as they would be limited to the duration of Project construction.

Energy consumption of non-residential uses is currently governed by the 2022 California Building Code, Part 6 for structures, and Title 20 of the California Code of Regulations for appliances. Energy consumption is anticipated to decrease over time as more energy efficient standards take effect and energy-consuming equipment reaches its end-of-life and necessitates replacement. Therefore, impacts would be less than significant.

b) Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

No Impact. State and local authorities regulate energy use and consumption. These regulations at the State level are intended to reduce energy use and Greenhouse Gas (GHG) emissions. These include, among others, AB 1493 – Light-Duty Vehicle Standards; California Code of Regulations Title 24, Part 6 – Energy Efficiency Standards; and California Code of Regulations Title 24, Parts 6 and 11 – California Energy Code and Green Building Standards. The Project would not conflict with or obstruct a State or local plan for renewable energy or energy efficiency. Therefore, there would be no impact.

4.7 GEOLOGY AND SOILS

Table 4-11: Geology and Soils Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv. Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994) creating substantial direct or indirect risks to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of wastewater?	☐	☐	☐	☒
f) Directly or indirectly destroy a unique paleontological resource or site or unique geological feature?	☐	☒	☐	☐

4.7.1 Baseline Conditions

The Project site is not located on any active fault line or system. The nearest major fault is located approximately 36 miles southwest of the Project area, according to the California DOC's Fault Activity Map of California.[11] However, like much of the San Joaquin Valley, the area has experienced widespread land subsidence due to overdraft of the water table as a result of increased reliance on groundwater pumping

[11] (California Department of Conservation 2015)

in the San Joaquin Valley, including in the areas around the GGSA's and City of Los Banos GSA's planning areas.[12] [13]

Geology and Soils

The Project site is located in Merced County, in the southern section of California's Great Valley Geomorphic Province, or Central Valley. The Sacramento Valley makes up the northern third and the San Joaquin Valley makes up the southern two-thirds of the geomorphic province. Both valleys are watered by large rivers flowing west from the Sierra Nevada Range, with smaller tributaries flowing east from the Coast Ranges. Most of the surface of the Great Valley is covered by Quaternary (present day to 1.6 million years ago) alluvium. The sedimentary formations are steeply upturned along the western margin due to the uplifted Sierra Nevada Range.[14] From the time the Central Valley first began to form, sediments derived from erosion of igneous and metamorphic rocks and consolidated marine sediments in the surrounding mountains have been transported into the Central Valley by streams.

According to the United States Department of Agriculture Natural Resources Conservation Service (NRCS) soil survey of the County, the Project site soils are almost entirely comprised of Woo clay loam with small amounts of Stanislaus clay loam along the western and eastern margins. Directly below the clays, the Project site contains sand soils, which are more suitable for recharge. The soils present and their characteristics at the basin location can be found in Appendix B.

Faults and Seismicity

The Project site is not located within an Alquist-Priolo Earthquake Fault Zone and no known faults cut through the local soil at the site. The nearest mapped principal fault is the San Andreas Fault, located approximately 40 miles southwest of the proposed basin site. The San Andreas Fault is the dominant active tectonic feature of the Coast Ranges and represents the boundary of the North American and Pacific plates. According to the Alquist-Priolo Earthquake Fault Zoning Map**,** the nearest known fault of any kind is the San Joaquin Fault located approximately 7.5 miles southwest of the Project site.[15]

Liquefaction

The potential for liquefaction, which is the loss of soil strength due to seismic forces, is dependent on soil types and density, the groundwater table, and the duration and intensity of ground shaking. It is reasonable to assume that due to the depth to groundwater within the central portion of the County, liquefaction hazards would be negligible.

Subsidence

There are two types of subsidence: land subsidence and hydrocompaction subsidence. Hydrocompaction subsidence occurs when a large land area settles due to over-saturation. These areas are typically composed of open-textured soils that become saturated, high in silt or clay content. Land subsidence occurs when an extensive amount of ground water, oil, or natural gas is withdrawn from below the ground surface. The San Joaquin Valley has become an area that has increasingly experienced subsidence due to excessive groundwater pumping activities lowering the water table.

[12] (Grassland Groundwater Sustainability Agency 2022)
[13] (San Joaquin River Exchange Contractors GSP Group 2022)
[14] Harden, D.R. 1998, California Geology, Prentice Hall, 479 pages.
[15] (California Department of Conservation 2015)

Dam and Levee Failure

The Project site is not within a dam inundation zone.[16] According to the Federal Emergency Management Agency (FEMA), the closest 100-year flood zone is approximately one-half mile north of the Project site.[17] The closest Department of Water Resources Flood Awareness Area is close to nine miles southwest.

4.7.2 Impact Analysis

a) Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

ii. Strong seismic ground shaking?

a-i and a-ii) Less than Significant Impact. Ground shaking intensity is largely a function of distance from the earthquake epicenter and underlying geology. The most common impact associated with strong ground shaking is damage to structures and no habitable structures are associated with the Project. The Project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving the 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. No known faults with evidence of historic activity cut through the Project site's area. Additionally, no habitable structures are proposed as part of the Project. Due to the geology of the Project area and its distance from active faults, the potential for loss of life, property damage, ground settlement, or liquefaction to occur in the Project area is considered minimal.

According to the Alquist-Priolo Earthquake Fault Zoning Map, the nearest known fault of any kind is the San Joaquin Fault located approximately 7.5 miles southwest of the Project site.[18] The nearest major fault, the San Joaquin Fault, is located approximately 36 miles southwest. The Project would not include any habitable structures. Operation of the Project would require infrequent, as-needed, routine maintenance trips to the site. Any impacts would be less than significant.

iii. Seismic-related ground failure, including liquefaction?

Less than Significant Impact. Liquefaction occurs when loose, water-saturated sediments lose strength and fail during strong ground shaking. In general, liquefiable areas are generally confined to the Central Valley floors covered by Quaternary-age alluvial deposits, Holocene soil deposits, current river channels, and active wash deposits and their historic floodplains, marshes, and dry lakes. Specific liquefaction hazard areas in the County have not been identified. The Project site is not in a wetland area and is located in the middle portion of the County where liquefaction risk is considered low. Additionally, the Project would be in compliance with the relevant land use plans and the goals and policies set forth in

[16] (California Department of Water Resources 2015)
[17] (Federal Emergency Management Agency 2023)
[18] (California Department of Conservation 2015)

the Merced County General Plan that would avoid or reduce the effects of these hazards. As such, this impact would be less than significant.

iv. Landslides?

No Impact. The Project is located in a relatively flat area with little to no potential for landslides to occur. Construction of the Project would not increase the likelihood for landslides to occur at the Project site. Therefore, there would be no impact.

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

Less than Significant Impact. Earthmoving activities associated with the Project would include excavation, trenching, and infrastructure and embankment construction. These activities could expose soils to erosion processes and the extent of erosion would vary depending on slope steepness/stability, vegetation/cover, concentration of runoff, and weather conditions. Dischargers whose projects disturb one (1) or more acres of soil are required to obtain coverage under the General Permit for Discharges of Storm Water Associated with Construction Activity Construction General Permit Order 2009-0009-DWQ. Construction activity subject to this permit includes clearing, grading, and disturbances to the ground such as stockpiling, or excavation, but does not include regular maintenance activities performed to restore the original line, grade, or capacity of the facility. The Construction General Permit requires the development of a Storm Water Pollution Prevention Plan (SWPPP) by a qualified sediment practitioner or a qualified sediment developer. Since the Project site has a relatively flat terrain with a low potential for soil erosion and would comply with the SWRCB requirements, impacts would be less than significant.

c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

Less than Significant Impact. The Project site and the immediate surrounding area do not have any substantial grade changes in the topography to the point where the proposed basin would expose people or structures to potential substantial adverse effects on, or offsite, such as landslides, lateral spreading, or collapse. For instance, the topography of the Project site has elevations ranging from approximately 97 feet NGVD at the northern extent of the site to about 101 feet NGVD at the southwesterly corner. Any impacts would be less than significant.

d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Less than Significant Impact. According to the NRCS soil survey, the Project site soils consist of Britto clay loam; Stanislaus clay loam; Stanislaus clay loam, wet; and Woo clay loam, but is almost entirely composed of Woo clay loam. These soil types have a high risk of subsidence. The Project does not involve the construction of any habitable structures or require the presence of permanent on-site staff and would therefore not create substantial direct or indirect risks to life or property. Therefore, impacts would be less than significant.

e) Would the project 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?

No Impact. Septic installation or alternative wastewater disposal systems are not proposed or necessary for the Project. Therefore, there would be no impact.

f) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geological feature?

Less than Significant Impact with Mitigation. No known paleontological resources have been identified at the Project site. However, if a paleontological resource is found, incorporation of mitigation measure GEO-1 would reduce impacts to less than significant.

4.7.3 Mitigation

GEO-1 Should a unique paleontological resource, site, or unique geological feature be unearthed during any stage of Project activities, work in the area of discovery will cease until the area is evaluated by a qualified geologist and/or paleontologist. If discoveries are uncovered, the Project proponent will abide by recommendations of the geologist or paleontologist.

4.8 GREENHOUSE GAS EMISSIONS

Table 4-12: Greenhouse Gas Emissions Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☐	☐	☒	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☐	☐	☐	☒

4.8.1 Baseline Conditions

Commonly identified GHG emissions and sources include the following:

Carbon dioxide (CO_2) is an odorless, colorless natural greenhouse gas. CO_2 is emitted from natural and anthropogenic sources. Natural sources include the following: decomposition of dead organic matter; respiration of bacteria, plants, animals, and fungus; evaporation from oceans; and volcanic out gassing. Anthropogenic sources include the burning of coal, oil, natural gas, and wood.

Methane (CH_4) is a flammable greenhouse gas. A natural source of methane is the anaerobic decay of organic matter. Geological deposits, known as natural gas fields, also contain methane, which is extracted for fuel. Other sources are from landfills, fermentation of manure, and ruminants such as cattle.

Nitrous oxide (N_2O), also known as laughing gas, is a colorless greenhouse gas. Nitrous oxide is produced by microbial processes in soil and water, including those reactions that occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load.

Water vapor is the most abundant, and variable greenhouse gas. It is not considered a pollutant; in the atmosphere, it maintains a climate necessary for life.

Ozone (O_3) is known as a photochemical pollutant and is a greenhouse gas; however, unlike other greenhouse gases, ozone in the troposphere is relatively short-lived and, therefore, is not global in nature. Ozone is not emitted directly into the atmosphere but is formed by a complex series of chemical reactions between volatile organic compounds, nitrogen oxides, and sunlight.

Aerosols are suspensions of particulate matter in a gas emitted into the air through burning biomass (plant material) and fossil fuels. Aerosols can warm the atmosphere by absorbing and emitting heat and can cool the atmosphere by reflecting light.

Chlorofluorocarbons (CFCs) are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the earth's surface). CFCs were first synthesized in 1928 for use as refrigerants, aerosol propellants, and cleaning solvents. CFCs destroy stratospheric ozone; therefore, their production was stopped as required by the Montreal Protocol in 1987.

Hydrofluorocarbons (HFCs) are synthetic chemicals that are used as a substitute for CFCs. Of all the greenhouse gases, HFCs are one of three groups (the other two are perfluorocarbons and sulfur hexafluoride) with the highest global warming potential. HFCs are human-made for applications such as air conditioners and refrigerants.

Perfluorocarbons (PFCs) have stable molecular structures and do not break down through the chemical processes in the lower atmosphere; therefore, PFCs have long atmospheric lifetimes, between 10,000 and 50,000 years. The two main sources of PFCs are primary aluminum production and semiconductor manufacture.

Sulfur hexafluoride (SF_6) is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It has the highest global warming potential of any gas evaluated. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

There are uncertainties as to exactly what the climate changes will be in various local areas of the earth, and what the effects of clouds will be in determining the rate at which the mean temperature will increase. There are also uncertainties associated with the magnitude and timing of other consequences of a warmer planet: sea level rise, spread of certain diseases out of their usual geographic range, the effect on agricultural production, water supply, sustainability of ecosystems, increased strength and frequency of storms, extreme heat events, air pollution episodes, and the consequence of these effects on the economy.

Emissions of GHGs contributing to global climate change are largely attributable to human activities associated with the industrial/manufacturing, utility, transportation, residential, and agricultural sectors. About three-quarters of human emissions of CO_2 to the global atmosphere during the past 20 years are due to fossil fuel burning. Atmospheric concentrations of CO_2, CH_4, and N_2O have increased 31 percent, 151 percent, and 17 percent respectively since the year 1750 (CEC 2008). GHG emissions are typically expressed in carbon dioxide-equivalents (CO_2e), based on the GHG's Global Warming Potential (GWP). The GWP is dependent on the lifetime, or persistence, of the gas molecule in the atmosphere. For example, one ton of CH_4 has the same contribution to the greenhouse effect as approximately 21 tons of CO_2. Therefore, CH_4 is a much more potent GHG than CO_2. In accordance with SJVAPCD's *CEQA Greenhouse Gas Guidance for Valley Land-use Agencies in Addressing GHG Emission Impacts for New Projects*[19], proposed projects complying with Best Performance Standards (BPS) would be determined to have a less-than-significant impact. Projects not complying with BPS would be considered less than significant if operational GHG emissions would be reduced or mitigated by a minimum of 29 percent, in comparison to business-as-usual (year 2004) conditions. In addition, project-generated emissions complying with an approved plan or mitigation program would also be determined to have a less-than-significant impact.

CalEEMod air quality modeling software was run on November 2, 2023, and is contained in Appendix A.

4.8.2 Impact Analysis

Project Related Emissions

Short-term construction emissions associated with the Project were calculated using CalEEMod, Version 2020.4.0. The emissions modeling includes emissions generated by off-road equipment, haul trucks, and worker commute trips. Emissions were quantified based on an anticipated construction schedule of

[19] Invalid source specified.

approximately six months. Remaining assumptions were based on the default parameters contained in the model. Modeling assumptions and output files are included in Appendix A. Estimated construction-generated emissions are summarized in Table 4-13. GHGs impact the environment over time as they increase and contribute to climate change. As discussed in Section 4.3, the amount of operational related emissions generated would be considered negligible.

Table 4-13: Short Term Construction Related GHG Emissions

	Emissions (MT CO2e) in Tons per Year
Maximum Annual Construction CO2e Emissions	375.92
AB 32 Consistency Threshold for Land-Use Development Projects*	1,100
AB 32 Consistency Threshold for Stationary Source Projects*	10,000
Threshold Exceeded?	No

* As published in the Bay Area Air Quality Management District's CEQA Air Quality Guidelines. Available online at http://www.baaqmd.gov/~/media/files/planning-and-research/ceqa/ceqa_guidelines_may2017-pdf.pdf?la=en Accessed 11/2/2023.

Construction related generation of GHGs would be a maximum of 375.92 Metric Tons of Carbon Dioxide Equivalent ($MTCO_2e$) per year. While some operational emissions could result from the Project, this quantity would be negligible. The Project would not exceed the AB 32 consistency threshold for land use projects for both short term construction emissions and long-term operational emissions as a result.

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

Less than Significant Impact. The Project would not generate GHG emissions, either directly or indirectly, that may have a significant impact on the environment. GHG emissions would be generated during construction, and they would dissipate in quantity as time passes. As shown in Table 4-13, the Project would not result in the generation of GHG emissions that would exceed the AB 32 consistency threshold of 1,100 $MTCO_2e$ annually during construction activities. Therefore, impacts would be less than significant.

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

No Impact. The Project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs. The Project would be in compliance with all SJVAPCD policies and regulations and would not exceed an applicable threshold for GHG emissions. Therefore, there would be no impacts.

4.9 HAZARDS AND HAZARDOUS MATERIALS

Table 4-14: Hazards and Hazardous Materials Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☐	☒	☐
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?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☐	☒
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?	☐	☐	☒	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	☐	☐	☐	☒
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures, either directly or indirectly to a significant risk of loss, injury or death involving wildland fires?	☐	☐	☐	☒

4.9.1 Baseline Conditions

The Project site is approximately 180 acres of agricultural land, some of which is currently being used for alfalfa crops, that had been historically farmed. There are no known hazardous materials in the Project area.

Hazardous Materials

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies, and developers to comply with CEQA requirements in providing information about the location of hazardous materials release sites. Government Code Section 65962.5 requires the California

Environmental Protection Agency to develop at least annually an updated Cortese List. The Department of Toxic Substances Control (DTSC) is responsible for a portion of the information contained in the Cortese List. Other State and local government agencies are required to provide additional hazardous material release information for the Cortese List. DTSC's EnviroStor database provides DTSC's component of Cortese List data (DTSC, 2010). In addition to the EnviroStor database, the SWRCB GeoTracker database provides information on regulated hazardous waste facilities in California, including underground storage tank cases and non- underground storage tank cleanup programs, including Spills-Leaks-Investigations-Cleanups sites, Department of Defense sites, and Land Disposal program. A search of the DTSC EnviroStor database and the SWRCB GeoTracker performed on October 16, 2023 determined that there are no known active hazardous waste generators or hazardous material spill sites within the Project site.[2021]

Provost & Pritchard also completed a Phase I Environmental Site Assessment (ESA) for the Project site (see Appendix D). The ESA was performed in accordance with the scope and limitations of the American Society of Testing and Materials Standard Practice for Phase 1 Environmental Site Assessment Process E1527-21. The ESA was conducted to assess the environmental condition of commercial real estate taking into account commonly known and reasonably ascertainable information. In addition to environmental database searches, a site reconnaissance survey was conducted on June 15, 2023 as a part of the ESA. The ESA revealed no Recognized Environmental Conditions (RECs), controlled RECs, or significant data gaps in connection with the Property.[22]

Airports

The nearest airport to the Project site is the Los Banos Municipal Airport, which is located approximately 2.8 miles southwest of the Project.

Emergency Response Plan

The County's Office of Emergency Services partners with communities in the County by coordinating planning, preparedness, response, and recovery efforts for disasters occurring within the County. It also coordinates and maintains the Emergency Operations Plans to conform to the new National Incident Management System for the County. The City also has a Spill Emergency Response Plan that it coordinates, which addresses spill response, detection, mitigation, clean up, investigation, documentation, reporting, and follow-up.

Sensitive Receptors

Potential sensitive receptors, such as a number of residences and schools, are situated near the Project site. There are many single-family homes in an extended residential area west of the Project site. The northernmost portion of the Project site is immediately adjacent to residences. Additionally, Grassland Elementary School is about 0.7 miles southwest of the Project site, and Pacheco High School is situated approximately 0.8 miles south of the site.

[20] (California Department of Toxic Substances Control 2023)
[21] (California State Water Resources Control Board 2023)
[22] RECs include: (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

4.9.2 Impact Analysis

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

b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

a) and b) Less than Significant Impact. There would be no transport, use, or disposal of hazardous materials associated with Project construction or operations, with the exception of diesel fuel for construction or routine maintenance equipment. Any potential accidental hazardous materials spills during Project construction or basin maintenance are the responsibility of the contractor and/or the City to remediate in accordance with industry best management practices (BMPs) as well as State and county regulations. As such, any impacts would be less than significant.

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

No Impact. The Project site is not located within one-quarter mile of an existing or proposed school. Grasslands Elementary School is the nearest school and is located approximately three-quarters of a mile south of the Project. Additionally, there would be no transport, use, or disposal of hazardous materials associated with Project construction or operations, with the exception of diesel fuel for construction or routine maintenance equipment. Therefore, the Project would not emit hazardous emissions or involve the transport or handling of any hazardous materials within one-quarter mile of a school. There would be no impact.

d) Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Less than Significant Impact. The proposed Project does not involve land that is listed as an active hazardous materials site pursuant to Government Code Section 65962.5 and is not included on a list compiled by DTSC. Both the SWQCB's GeoTracker and DTSC's EnviroStor websites were queried on October 16, 2023 for contaminated groundwater or sites in the area. GeoTracker lists one open case and two closed cases that are within a one-mile radius of the Project site.[23] EnviroStor lists two sites within a one-mile radius; neither of the two are open sites.[24]

According to GeoTracker, the closest open site is listed as Lister Ag Aviation (SLT5S7423769) near the intersection of Dove Street and Skylark Avenue, approximately 0.6 miles west of the Project. Although, this case has been inactive as of January 1988. The first closed case is listed as Los Banos Wildlife Area (T0604700064) and was completed and closed as of February 24, 1997. It is located approximately 0.6 miles north of the Project site on Henry Miller Road. The second closed site is listed as Chevron Los Banos Pump Station (SLT5FS681015) about 0.6 miles to the northeast of the Project on Henry Miller Road. This case was completed and closed as of April 1, 1998.

[23] (California State Water Resources Control Board 2023)
[24] (California Department of Toxic Substances Control 2023)

According to EnviroStor, the Old Los Banos Dump site (24490021) was certified as of May 11, 1995, and the site's issue was remediated to meet a non-restrictive use scenario. A second site, Vineyard School Site (24010010), was closed as of September 15, 2000. Row crops had caused contamination, but it is now vacant land in a residential area of Los Banos. Both of these sites are situated approximately 0.8 miles away from the Project site, to the southwest and south, respectively.

Due to all of the aforementioned sites within one mile of the Project being closed, certified, and/or remediated, any impacts would be less than significant.

e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

No Impact. The Los Banos Municipal Airport, the nearest public airport to the Project site, is located approximately 2.8 miles southwest of the Project site. The Project site does not conflict with either the Los Banos Municipal Airport Plan or the Merced County Airport Land Use Compatibility Plan. Therefore, there would be no impact.

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

Less than Significant Impact. The construction of the basin and interconnection structures would not impair or physically interfere with any adopted emergency response or emergency evacuation plan. Minimal traffic would be added during construction, but no roadways would be closed. Additionally, construction of the turnouts and return structure on the San Luis Canal and the turnout off the Santa Fe Canal would occur. After construction is completed, no roadways or emergency response and/or evacuation paths would be impeded. As such, impacts would be less than significant.

g) Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. As discussed in further detail in the Section 4.20, the Project would not expose people or structures either directly or indirectly to a significant loss, injury, or death involving wildland fires. The Project site abuts residences to its west but is primarily in an agriculturally developed area of Merced County that is not considered susceptible to wildfire. Therefore, there would be no impact.

4.10 HYDROLOGY AND WATER QUALITY

Table 4-15: Hydrology and Water Quality Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	☐	☐	☒	☐
i. result in substantial erosion or siltation on- or off-site;	☐	☐	☒	☐
ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;	☐	☐	☐	☒
iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☐	☒
iv. impede or redirect flood flows?	☐	☐	☐	☒
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☐	☒
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☐	☒

4.10.1 Baseline Conditions

The proposed Project would result in the construction of approximately 160 acres of a multi-cell basin just northeast of the City, the majority of which would be situated outside of City limits. The basin would be connected to the Sante Fe Canal and San Luis Canal. The basin would allow GWD to divert flows off either canal when there are capacity limitations in the canals or extra surface water supplies available, temporarily storing water on the site for later use, as well as perform a small amount of groundwater recharge. The Project would also return water supplies back to the San Luis Canal at a connection on the north end of the

Project site to be used in GWD. Water supplies could be off the Mendota Pool on the San Joaquin River, or Central Valley Project supplies, as well as any local water supplies that enter the canals.

Approximate depth to groundwater measurements at the Project site revealed water 20 to 30 feet below ground surface. According to the quarterly monitoring reports from 2022 and 2023 for the nearby Los Banos wastewater treatment facility (WWTF), groundwater can vary from 16 to 48 feet below ground with a fluctuation of approximately 10 feet in the area. During any given year it is expected that groundwater levels will generally be higher in the winter and spring when water would be available for storage on the site and lower in the fall and summer months.

The Project would be located within the County of Merced Delta-Mendota GSA, which falls under the GGSA GSP, and the City of Los Banos GSA, which falls under the SJREC GSP, in the San Joaquin Valley Basin and Delta-Mendota subbasin.[25] According to the GGSA's GSP and the SJREC GSA's GSP (of which the City of Los Banos GSA was involved and included), the City is actively pursuing water conservation projects. The City and GWD, in conjunction with the GGSA and the City of Los Banos GSA, propose to implement the Project, creating one new basin consisting of approximately three cells, which would support the adopted GSPs for the area and directly support stormwater capture, flood protection, groundwater recharge, wildlife refuge water supply flexibility, and groundwater quality and quantity improvements for the City of Los Banos.

FEMA Flood Insurance Rate Map Panel No. 06047C0850G (effective 12/2/2008) indicates that the Project area is located out of the 100 Year Flood Zone with minimal flooding risk (see Figure 4-2).[26]

4.10.2 **Impact Analysis**

a) Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant Impact. The SWRCB requires a SWPPP be prepared for projects that disturb one (1) or more acres of soil. A SWPPP involves site planning and scheduling, limiting disturbed soil areas, and determining BMPs to minimize the risk of pollution and sediments being discharged from construction sites. Implementation of the SWPPP would minimize the potential for the Project to substantially alter the existing drainage pattern in a manner that would result in substantial erosion or siltation onsite or offsite. Additionally, there would be no discharge to any surface source. While not the primary purpose of the basin, there would be some incidental percolation discharge to groundwater via the proposed basin, which over time should benefit the shallow groundwater quality in the area. Use of chemicals or surfactants would not be generated through the maintenance or operation of the Project and as such, there would be no discharge directly associated with Project implementation that could impact water quality standards. The Project would not violate any water quality standards and would not impact waste discharge requirements. The impact would be less than significant.

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

Less than Significant Impact. The Project entails the construction of a basin to improve groundwater supplies primarily by capturing storm and surface water flows, which are not presently put to beneficial

[25] (California Department of Water Resources 2023)
[26] (Federal Emergency Management Agency 2023)

use. Estimated Incidental recharge of less than 1.4 AF per day would occur when water is stored and infiltrate into the underlying soils over a period of time following filling of the basin. Furthermore, groundwater that is presently used on the Project site will no longer be used, thereby reducing groundwater demand. No additional groundwater would be required compared to baseline conditions; therefore, the impacts would be less than significant.

c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:

i. result in substantial erosion or siltation on- or off-site;

Less than Significant Impact. The Project would improve groundwater supplies primarily by capturing storm water and surface water flows, which are not presently put to beneficial use. The Project would not alter the course of the flow of a stream or river in which substantial erosion or siltation could occur. In addition, the Project would not result in an increase in the amount of surface runoff because the scope of this Project does not include the conversion of any permeable surface into impermeable surfaces. Moreover, in order to minimize the possibility of substantial soil erosion or siltation, the Project would use construction BMP's and complete a SWPPP. SWPPP's include mandated soil erosion control measures, which are developed to prevent significant impacts related to erosion caused by runoff during construction. Therefore, impacts would be less than significant.

ii. substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site;

No Impact. The Project would improve groundwater storage by reducing pumping in the area and prevent exceedances of storm water drainage systems or additional polluted runoff by providing a depressional space for surface water capture. The volume would be stored and released after a storm or flood event in an effort to reduce peak flows. As such, the Project would not result in a substantial increase in the rate or amount of surface runoff that would result in flooding on- or off-site. Therefore, there would be no impact.

iii. create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or

No Impact. The Project would improve groundwater storage by reducing pumping in the area and prevent exceedances of storm water drainage systems or additional polluted runoff by providing a depressional space for surface water. There would be no impacts.

iv. impede or redirect flood flows?

No Impact. The Project would not impede or redirect flood flows. The Project is designed to capture and temporarily store storm and flood flows, which would take the peak off the flow events in the San Luis Canal and then return the flows to the canal at a later time, as well as allow the water to infiltrate into the ground over a period of time following an event, thereby facilitating limited recharge of the underlying aquifer. There would be no impact.

d) Would the project in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundations?

No Impact. The Project is not located in a flood hazard, tsunami, or seiche zone. The Project is in the central San Joaquin Valley, especially isolated from opportunities for tsunami or seiche. There is a very low probability of dam failure inundation however, the closest dam inundation area is North Fork, located more than 20 miles west of the Project site. There would be no employees required to be on site on a regular basis at the basin. As shown in Figure 4-2, the Project is not within a 100-year flood zone. Additionally, operation of the basin facilities does not involve hazardous materials, which could lead to the release of pollutants. There would be no impact.

e) Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

No Impact. The Project would not conflict with implementation of a water quality control plan. The Project would help alleviate water supply issues during the irrigation season and capture portions of available storm or flood runoff to be used at a later time, as well as cause limited on-site groundwater recharge. Furthermore, construction activities would require implementation of a SWPPP and compliance with all Cal/OSHA regulations in order to reduce the potential for incidental release of pollutants or hazardous substances into surface water or groundwater. The Project would be located within the boundaries of the Grassland GSP area and the SJREC GSP area, which are currently proposed to be combined into a single Delta-Mendota Subbasin GSP area. The completed Grassland GSP included the Project as the Flood Water Capture Project, and the draft proposed Delta-Mendota GSP also includes the Project. As such, the Project would not conflict with or obstruct implementation of a GSP. [27] There would be no impacts.

[27] (Grassland Groundwater Sustainability Agency 2022)

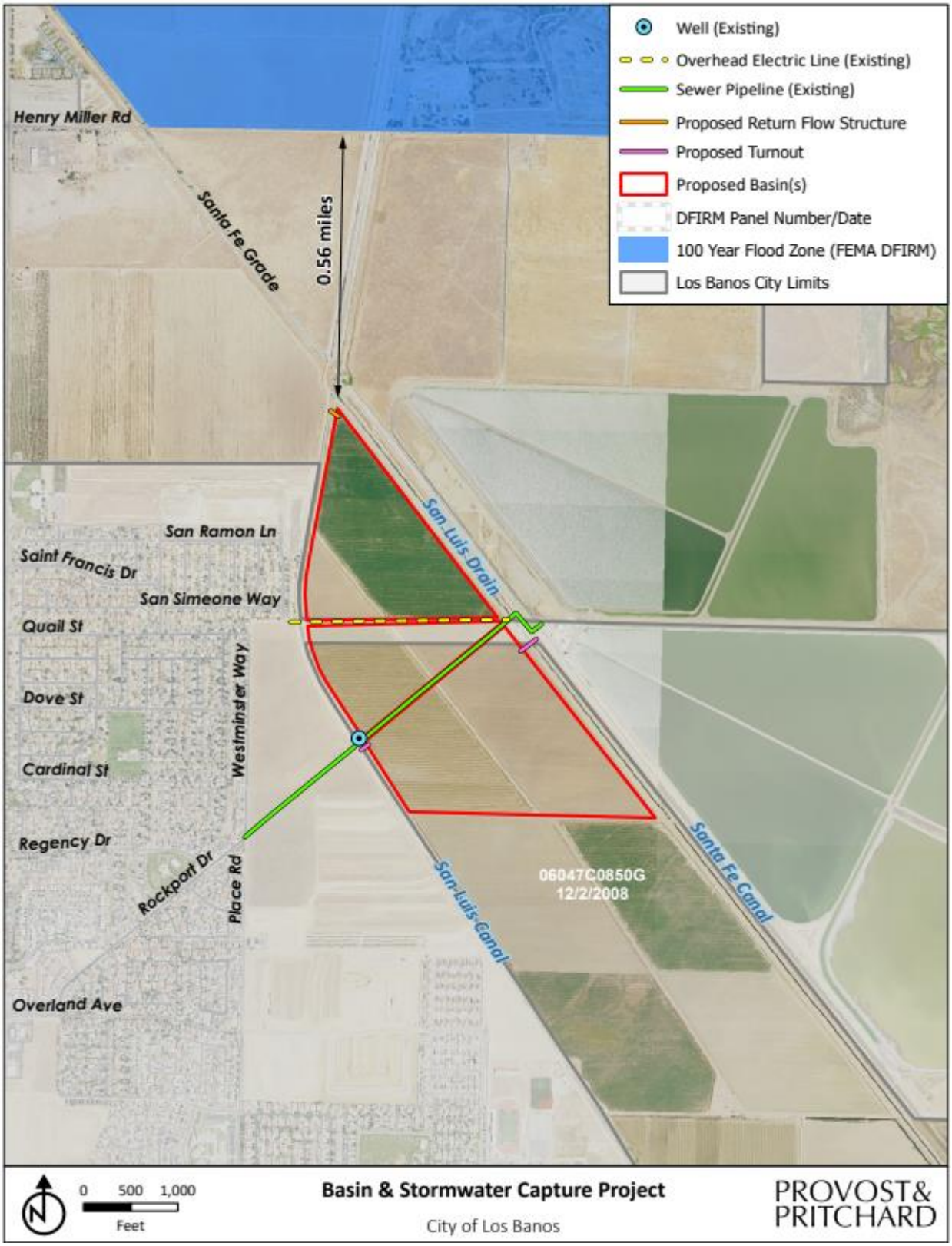


Figure 4-2: FEMA Flood Map

4.11 LAND USE AND PLANNING

Table 4-16: Land Use and Planning Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
f) Physically divide an established community?	☐	☐	☐	☒
g) 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?	☐	☐	☐	☒

4.11.1 Baseline Conditions

The proposed Project site is located within Merced County and straddles the northeastern city limits of Los Banos. It is situated where the outer residential parcels of the City meet land dominated by agriculture and the City's WWTF. The site contains approximately 180 acres total of farmland. Lands involving the proposed Project site are zoned Exclusive Agriculture and Public Use/Institutional. According to the Merced County and City of Los Banos General Plans, the site is planned for Agriculture/Open Space Use and for an SR 152 Bypass Corridor. The Project would convert the area into a multi-cell surface and storm water capture basin that would support agriculture and open space through improved water supply reliability.

4.11.2 Impact Analysis

a) Would the project physically divide an established community?

No Impact. The Project site is located in an agricultural area on the outskirts of the City in Merced County. Surrounding land uses are agricultural and residential uses, and a WWTF. Although, in regards to the latter, the Project would not physically divide any established communities. There would be no impact.

b) Would the project cause a significant environmental conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

No Impact. The Project site is zoned Exclusive Agricultural and Public Use/Institutional. The Project involves the construction and operation of an approximately 160-acre basin, which is consistent with the land uses within the vicinity. A substantial portion of the Project site is designated for a SR 152 Bypass Corridor but is considered as agriculture according to the City. According to the City General Plan, the "SR 152 Bypass Corridor is for area that would be part of the planned SR-152 bypass around Los Banos…existing agricultural uses are permitted to continue."[28] Additionally, City staff have indicated that the SR-152 bypass is unlikely to occur for many years due to lack of funding. Portions of the site are zoned Public Use/institutional, stormwater drainage basins are a permitted use for this land use according to

[28] (City of Los Banos 2022)

the City of Los Banos Code Section 9-3.1602. In addition, Government Code Section 53091 (e) excludes the application of a city or county's zoning ordinances from applying to water projects that construct facilities for the production, generation, storage, treatment, or transmission of water. As a result, the proposed Project would not conflict with Merced County's General Plan and zoning designations for the site. The Project would not conflict with any land use plan, policy, or regulation adopted. There would be no impact.

4.12 MINERAL RESOURCES

Table 4-17: Mineral Resources Impacts

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?	☐	☐	☒	☐
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?	☐	☐	☒	☐

4.12.1 Baseline Conditions

According to the DOC's Mines Online map, there are sand and gravel resources throughout the County. The Los Banos General Plan notes that there are no known significant mineral resources in the City.[29] Additionally, there are no mineral resource locations located on the parts of the Project site that sit outside of the City's limits.[30]

Mineral Resources Zones

The California DOC, Division of Mines and Geology classifies Mineral Resource Zones in order to map areas throughout the state that contain regionally significant mineral resources. Mineral Resource Zones (MRZ) are defined as follows:

- MRZ-1 is classified as an area where adequate information indicates there are no significant mineral deposits present, or where there is little likelihood for mineral deposit presence.
- MRZ-2 is classified as an area with adequate information indicating significant mineral deposits are present and or a high likelihood for mineral deposit presence.
- MRZ-3 is classified as an area of undetermined mineral resource significance based on available data which may suggest or infer mineral occurrences.
- MRZ-4 is classified as an area of unknown mineral resource significance or no known mineral occurrence.

According to the California DOC's Mineral Land Classification map, the Project site is located in an MRZ-3 area.[31]

4.12.2 Impact Analysis

a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

[29] (City of Los Banos 2022)
[30] (California Department of Conservation 2016)
[31] (Parrish 2021)

b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

a) and b) Less than Significant. The California Geological Survey Division of Mines and Geology has classified the Project site as MRZ-3 under the Surface Mining and Reclamation Act, which shows that the presence and extent of important mineral resources has not been established in the Project area. The City's General Plan has also acknowledged that there are no known significant mineral resources within the City. Additionally, California's Division of Oil, Gas and Geothermal Resources has no records of closed or active oil or gas wells on the proposed Project site.[32] No known mineral resources are within the Project area. Therefore, construction of the Project would not result in the loss of availability of a known mineral resource since no known mineral resources occur in this area. As such, impacts would be less than significant.

[32] (California Department of Conservation Well Finder 2020)

4.13 NOISE

Table 4-18: Noise Impacts

Would the project result in:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Generation of excessive ground borne vibration or ground borne noise levels?	☐	☐	☒	☐
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?	☐	☐	☐	☒

4.13.1 Baseline Conditions

The Project site is located in Merced County in an area characterized primarily by agriculture, vacant lands, and wastewater treatment ponds, as well as residential areas to the west and southwest. SR 165 is the nearest highway, which is less than one mile west of the Project site, and SR 152 is about one mile southwest. The Los Banos Municipal Airport is located approximately 2.8 miles to the southwest.

Merced County Noise Ordinance[33]

Section 18.040.050.C. states that noise levels may be temporarily elevated during construction. To minimize the noise impacts, all construction in or adjacent to urban areas shall comply with the following procedures for noise control:

- Construction hours shall be limited to the daytime hours between 7:00 a.m. and 6:00 p.m. daily;
- Operating or permitting the operation of any tools or equipment used in construction, drilling, earthmoving, excavating, or demolition work between 6:00 p.m. and 7:00 a.m. on a weekday or at any time on a weekend day, or legal holiday, except for emergency work, or when the sound level exceeds any applicable relative or absolute limit specified in Section 10.60.030 is prohibited; and
- All construction equipment shall be properly muffled and maintained.

Los Banos Noise Control Ordinance[34]

[33] (County of Merced 2023)
[34] (City of Los Banos 2023)

Section 9.3.27 of the Los Banos California Municipal Code contains the Noise Control Ordinance, which places limits on noise levels and hours of construction. Section 9.3.2706.c. states that noise sources associated with construction activities are exempt from the provisions of the Noise Control Ordinance, as long as construction does not take place before 7:00 a.m. or after 9:00 p.m. on any day except Saturday or Sunday, or before 8:00 a.m. or after 5:00 p.m. on Saturday or Sunday.

4.13.2 Impact Analysis

a) Would the project 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?

Less than Significant Impact. Construction of the Project would involve temporary noise sources, predominately from off-road equipment, such as excavators, backhoe/loader, scraper, dozer, concrete truck, and concrete pumper. The Project site is located adjacent to agricultural lands, accustomed to noises associated with farm equipment. The Project would comply with the City's Noise Control Ordinance and the County's Noise Ordinance. Operational maintenance activities would be on an as-needed basis with routine monitoring performed by existing staff and would not generate significant new noise. Any impacts would be temporary and therefore, less than significant.

b) Would the project result in generation of excessive ground borne vibration or ground borne noise levels?

Less than Significant Impact. The construction phase of the Project would primarily consist of excavation and grading as part of development of the new basin. The Project site is in an area with agricultural production. Agricultural production commonly includes the use of off-road equipment and ground-disturbing activities regularly. During construction, Project-related construction activities would not vary substantially from the baseline conditions routinely experienced on neighboring properties. Moreover, ground borne vibration and noise would be restricted to construction apart from minimal, periodic maintenance. Impacts would be less than significant.

c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

No Impact. The Project would not be located within an airport land use plan. The Los Banos Municipal Airport is located approximately 2.8 miles to the southwest. The Project does not involve the development of habitable structures or require the presence of permanent staff onsite. There would be no impact.

4.14 POPULATION AND HOUSING

Table 4-19: Population and Housing Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☒	☐

4.14.1 Baseline Conditions

The majority of the Project site sits within unincorporated Merced County outside of the City limits, with just a small portion included in the City. Los Banos is a census-designated place in the County. According to 2022 Census data, the estimated populations for the City and the County are 47,044 and 290,014, respectively.[35] Both areas experienced 3% population increases from April 2020 to July 2022. As of 2017-2021, the City had an estimated 12,025 households and 3.68 persons per household, while the County averaged 81,618 households and 3.35 person per household.[36] While the Project site is almost entirely circumscribed by farmland and wastewater treatment ponds, it borders a large, low-density neighborhood to its west, with a canal separating the Project site by the neighborhood.

4.14.2 Impact Analysis

a) Would the project 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)?

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

a) and b) Less than Significant Impact. The goal of the Project is not to induce population growth. The Project would construct a new basin in an effort to capture and utilize stormwater and flood flows. The Project would not encourage population growth directly or indirectly. No residential structures would be built, and the Project would not displace any number of people. Project activities would not alter housing or the existing community in a way that would result in the need for new housing to be constructed elsewhere. The impacts would be less than significant.

[35] (United States Census Bureau 2022)
[36] Ibid

4.15 PUBLIC SERVICES

Table 4-20: Public Services

Would the project:	Potentially Significant Impact	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:				
i. Fire protection?	☐	☐	☐	☒
ii. Police protection?	☐	☐	☐	☒
iii. Schools?	☐	☐	☐	☒
iv. Parks?	☐	☐	☐	☒
v. Other public facilities?	☐	☐	☐	☒

4.15.1 Baseline Conditions

Fire Protection: The Project area is served by the Merced County Fire Department and Los Banos Fire Department. The Merced County Fire Department Station 71 – Los Banos is approximately two miles from the Project site, and the Los Banos Fire Department Station I is located about 1.6 miles from the Project site. The Los Banos Fire Department's combined staffing is approximately 16 paid personnel, including 14 shift personnel, and 20-25 volunteer personnel. The City's fire department is responsible for fighting urban and wildland fires as well as emergency response and rescue. The County's fire department has a combined staffing of 90 firefighters and administrative staff members, as well as 158 paid call firefighters.[37]

Police Protection: According to the County of Merced's General Plan, the Merced County Sherriff's Department serves the unincorporated portions of the County. The closest Merced County Sheriff Station is located approximately two miles southwest of the Project site in central Los Banos. The Los Banos Police Department also serves the Project area as part of the site lies within City limits. According to the Los Banos General Plan, the City aims to have 1.5 officers on staff per 1,000 residents. The Los Banos Police Department is located within blocks of the Merced County Sheriff Station, approximately two miles southwest of the proposed Project.

Schools: Public school services are provided throughout the County by 21 school districts, including Los Banos Unified School District. Of the 21 school districts, six are unified districts and many of the rest have one or two schools in the district. The closest school is Grasslands Elementary School, which is about 0.7 miles southwest of the Project site. The closest high school is Pacheco High School, situated about 0.8 miles south of the basin site. There are several other schools located between one and two miles from the site.

[37] (County of Merced 2022)

Parks: The County has several regional parks, as well as State parks, wilderness areas, and ecological reserves. The development and maintenance of regional parks and landscaped areas is held responsible by the Merced County Parks Division. The nearest park is Skylark Park, which is within city limits and maintained by the City, located approximately 0.4 miles west of the basin site.

Landfills: The nearest landfill to the Project site is the Billy Wright Landfill over eight miles west of the Project area.

4.15.2 Impact Analysis

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

i. Fire Protection:

No Impact. The Merced County Fire Department Station 71 – Los and the Los Banos Fire Department Station I would continue to provide fire protection services to the lands within and surrounding the proposed Project area during construction. No residential or office construction is proposed with this Project. There would be no impact.

ii. Police Protection:

No Impact. Both the County and the City would continue to provide sheriff and police protection services to the proposed Project area upon development. As such, emergency response would be adequate to the Project site. Both the nearest Sheriff Station and Los Banos Police Department are about two miles southwest of the Project site. No residential or office construction is proposed for this Project, and no additional police protection would be needed because of the Project. There would be no impact.

iii. Schools:

No Impact. The closest school to the Project site is Grasslands Elementary School, which sits approximately 0.7 miles south. Implementation would not include construction of any residential structures that would impact any schools. The Project would not result in an increase of population that would require additional school facilities; therefore, there would be no impact.

iv. Parks:

No Impact. There are no recreational lands or public facilities within the proposed Project area. As the Project would not induce population growth, the Project would not create a need for additional park or recreational services. There would be no impact.

v. Other public facilities:

No Impact. City-owned sewer lines and overhead electric power lines will be located in corridors between the basin cells of adequate width to facilitate operations, maintenance, or replacement without impacting their use or basin use. No additional public facilities would be impacted by this Project. There

would be no additional public wastewater facility or substantial electrical needs generated by this Project. As such, there would be no impact.

4.16 RECREATION

Table 4-21: Recreation Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

4.16.1 Baseline Conditions

The County has several regional and community parks, as well as State parks, wilderness areas, wildlife areas, and ecological reserves. The development and maintenance of regional parks and landscaped areas is held responsible by the Merced County Parks Division. The County, including the Project site, has approximately 114,000 acres of parkland to serve approximately 290,000 persons. The Recreation and Cultural Resources Element of the Merced County General Plan establishes a standard for a minimum of three acres of parkland for each 1,000 persons.[38] The nearest park in the County is the Los Banos State Wildlife Area, located approximately two miles north-northeast of the Project site. The closest City park is Skylark Park situated about 0.4 miles west of the Project.

The proposed basin site is primarily located in the unincorporated County area, as well as a small portion within City limits, on land that has historically been utilized for agricultural production.

4.16.2 Impact Analysis

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

No Impact. The Project includes the construction and operation of a regulation and storage basin in parts of the County and the City. The proposed basin would not increase the use or demand of any existing neighborhood, regional parks, or other recreational facilities of any kind. No population growth is anticipated or associated with the Project. There would be no impact.

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

[38] (County of Merced 2013)

No Impact. The Project would not include recreational facilities as part of the Project components, nor does it propose the expansion of any existing recreational facilities. The Project would construct a basin to provide sustainable management of surface and groundwater. There would be no impact.

4.17 TRANSPORTATION

Table 4-22: Transportation Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	☐	☐	☒	☐
b) Conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☐	☐	☒	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
d) Result in inadequate emergency access?	☐	☐	☒	☐

4.17.1 Baseline Conditions

The closest highway to the Project site is SR 165, which is located 0.6 miles west of the Project at its nearest point. Additionally, SR 152 is approximately 0.9 miles southwest, and I-5 runs north-south 8.5 miles west of the Project. A substantial portion of the Project site is designated for an SR 152 Bypass Corridor. The nearest airstrip/airport is the Los Banos Municipal Airport about 2.8 miles southwest of the proposed basin. The Project vicinity is dominated by vacant land, agricultural uses, low density residential, and wastewater treatment ponds.

4.17.2 Impact Analysis

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

b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3 subdivision (b)?

a) and b) Less than Significant Impact. The Project includes the construction of an approximately 160-acre regulation, storage, and groundwater recharge basin. Construction traffic associated with the Project would be minimal and temporary for excavation of soil, grading, site preparation, and construction of the basin, turnouts, and interconnection structures, lasting approximately six months. Additionally, another turnout and pump station would be constructed off the Santa Fe Canal, and a crossing of the USBR San Luis Drain is proposed to occur. Construction would last for up to three months at a later date. Operational traffic would consist of as-needed maintenance trips at the Project site. Internal levees will be constructed between cells for access for operation and maintenance. Additionally, a 15-foot-wide drive/access road would be constructed to surround the basin. The proposed road would not require any special surfacing and would only be used for maintenance access. There are no public roadway improvements proposed as part of the Project. Traffic generation after Project implementation would be minimal and dedicated only to basin maintenance on an as-needed basis at the site. There would not be a significant adverse effect to existing roadways in the area.

Construction associated with the Project would be restricted to the Project site, and it would not intersect any roadways or pedestrian or bicycle paths. These construction-related impacts would be temporary, and there would be no impacts to the surrounding transportation network. Road closures and detours are not anticipated as part of construction. A portion of the Project site is designated for the SR 152 Bypass Corridor. The Project site is currently used for agriculture, and the basin, which is considered agricultural to the City, would not change the land use. According to the City General Plan, the "SR 152 Bypass Corridor is for area that would be part of the planned SR-152 bypass around Los Banos…existing agricultural uses are permitted to continue."[39] As such, it would not conflict with the City's planned SR 152 Bypass Corridor. Additionally, City staff have indicated that the SR-152 bypass is unlikely to occur for many years due to lack of funding.

There would be no population growth associated with the Project, nor would implementation of the Project result in an increase of staff or drivers utilizing roadways in the area. Therefore, implementation of the Project would not increase the demand for any changes to congestion management programs or interfere with existing level of service standards during the operational phase. Construction-related roadway interferences would be less than significant.

c) Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The Project does not involve geometric roadway features or propose incompatible uses. No additional public roads would be constructed as a result of the Project. Therefore, there would be no impact.

d) Would the project result in inadequate emergency access?

Less than Significant Impact. The Project does not propose new roadway design features or permanent alterations to public roadways at the basin site. All potential disturbances to roadways during construction would be temporary. Road closures and detours are not anticipated as part of the construction phase of the Project. The operational phase of the Project would have no effect on public roadways or emergency access. Therefore, overall potential Project-related impacts to emergency access on local roadways would be considered less than significant.

[39] (City of Los Banos 2022)

4.18 TRIBAL CULTURAL RESOURCES

Table 4-23: Tribal Cultural Resources Impacts

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

4.18.1 Baseline Conditions

There are no archaeological sites in the Project APE that are currently listed on the NRHP. However, there has been previous work done in nearby areas outside of the APE that have identified pre-contact Native American sites, such as a village site, a burial site, and a use area with lithics and other artifacts. As such, the Project site possesses a high sensitivity for cultural resources.

Public Resources Code Section 21080.3.1, *et seq.* (codification of AB 52, 2013-14) requires that a lead agency, within 14 days of determining that it would undertake a project, must notify in writing any California Native American Tribe traditionally and culturally affiliated with the geographic area of the project if that Tribe has previously requested notification about projects in that geographic area. The notice must briefly describe the project and inquire whether the Tribe wishes to initiate request formal consultation. Tribes have 30 days from receipt of notification to request formal consultation. The lead agency then has 30 days to initiate the consultation, which then continues until the parties come to an agreement regarding necessary mitigation or agree that no mitigation is needed, or one or both parties determine that negotiation occurred in good faith, but no agreement would be made.

The NAHC in Sacramento was contacted in August 2023, and they were provided with a brief description of the Project and a map showing its location and requested a search of the Sacred Lands File to determine if any Native American resources have been recorded in the immediate APE. The NAHC identifies, catalogs, and protects Native American cultural resources -- ancient places of special religious or social significance to Native Americans and known ancient graves and cemeteries of Native Americans on private and public lands in California. The NAHC is also charged with ensuring California Native American tribes' accessibility to ancient Native American cultural resources on public lands, overseeing the treatment and disposition of inadvertently discovered Native American human remains and burial items, and administering the CalNAGPRA, among many other powers and duties. NAHC provide a current list of Native American Tribal contacts to notify of the project. The fifteen tribal representatives identified by NAHC were contacted in writing via United States Postal Service in a letter August 17, 2023, informing each Tribal contact of the Project.

4.18.2 Impact Assessment

a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:

i. Listed or eligible for listing in the California Register of Historical Resources, or in the local register of historical resources as defined in Public Resources Code section 5020.1(k), or

ii. A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Less than Significant Impact with Mitigation Incorporated. The City, as a public lead agency has not received any formal requests for notification from any State tribes, pursuant to AB 52. However, on January 10, 2024, ASM Affiliates Inc. completed the Class III inventory/Phase I survey fieldwork of the Project site. In addition to the record search of the Sacred Lands File received September 12, 2023, NAHC provided a list of local Native American Tribes who may have knowledge of cultural resources in the vicinity or general interest in the Project. The following Tribe contacts were contacted in writing via U.S. Mail, informing them of the proposed Project and general consultation.

1. Amah Mutsun Tribal Band, Valentin Lopez, Chairperson
2. Amah Mutsun Tribal Band, Ed Ketchum, Vice-Chairperson
3. Dumna Wo-Wah Tribal Government, Robert Ledger, Chairperson
4. North Fork Rancheria of Mono Indians, Mary Stalter, Environmental/Heritage Manager
5. North Fork Rancheria of Mono Indians, Fred Beihn, Chairperson
6. North Valley Yokuts Tribe, Katherine Perez, Chairperson
7. North Valley Yokuts Tribe, Timothy Perez, Tribal Contact
8. Santa Rosa Rancheria Tachi-Yokut Tribe, Leo Sisco, Chairperson
9. Southern Sierra Miwuk Nation, Sandra Chapman, Chairperson
10. Table Mountain Rancheria, Brenda Lavell, Chairperson
11. Table Mountain Rancheria, Bob Pennell, Cultural Resources Director

12. Tule River Indian Tribe, Joey Garfield, Tribal Archeologist
13. Tule River Indian Tribe, Neil Peyron, Chairperson
14. Tule River Indian Tribe, Kerri Verra, Environmental Department Contact
15. Wuksachi Indian Tribe/Eshom Valley Band, Kenneth Woodrow, Chairperson

Two responses were received to the notification letters. The Table Mountain Rancheria responded expressing interest in the Project and requesting results from the records search and cultural resource report, once completed. A response was also received from the Santa Rosa Rancheria Tachi-Yokut Tribe on November 27, 2023 requesting continued consultation, as well as the following:

- Site records from the archaeological records search.
- The survey results once the survey is completed.
- An SLF search through the NAHC and the results if one has not been completed yet.
- To be retained for a Cultural Presentation.
- To have a Curation Agreement in place for this project.
- To have an archaeologist on site for all ground disturbance and to have their daily monitoring logs sent to us at the end of every day.
- To have a Tribal monitoring contract in place to allow the Tribe to provide a monitor for the project when we are able to.
- To be notified of any discoveries made in relation to the project.

The City will continue to work with the Tribe and will send a copy of the results from the cultural study and the SLF to the tribe. With implementation of mitigation measures CUL-1, and CUL-2 above, and the implementation of TCR-1 and TCR-2 mitigation measures outlined below and impacts to Tribal Cultural Resources would be less than significant.

4.18.3 Mitigation

See CUL-1 and CUL-2 outlined above in Section 4.5.3.

TCR-1 (Sensitivity and Awareness Training): Prior to construction the applicant/contractor shall be required to provide a cultural resources and tribal cultural resources sensitivity and awareness training program (Worker Environmental Awareness Program [WEAP]) for all personnel involved in project construction, including field consultants and construction workers. The WEAP will be developed in coordination with an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology, as well as culturally affiliated Native American tribes. The WEAP shall be conducted before any project-related construction activities begin at the project site. The WEAP will include relevant information regarding sensitive cultural resources and tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The WEAP will also describe appropriate avoidance and impact minimization measures for cultural resources and tribal cultural resources that could be located at the project site and will outline what to do and who to contact if any potential cultural resources or tribal cultural resources are encountered. The WEAP will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to

Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American tribal values.

TCR-2 (Inadvertent Discoveries): In the case of any inadvertent discoveries at any time during the duration of construction or implementation, all work will be stopped within 100 feet of the discovery, and the City shall contact the Santa Rosa Rancheria Tachi-Yokut Tribe for further information, investigation, and guidance on the process for handling such discoveries.

4.19 UTILITIES AND SERVICE SYSTEMS

Table 4-24: Utilities and Service Systems Impacts

Would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☐	☒
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☐	☒

4.19.1 Baseline Conditions

Water Supply

The Project is located within the Delta-Mendota subbasin of the San Joaquin Valley Groundwater Basin, as defined by the California Department of Water Resources Groundwater Bulletin 118. Declines in groundwater basin storage and groundwater overdraft are recurring problems in the County. Measures for ensuring the continued availability of groundwater for municipal needs have been identified and planned in several areas of the County, including in the City. The measures include groundwater conservation and recharge, and supplementing or replacing groundwater sources for irrigation with surface water.

Wastewater Collection and Treatment

The City owns and operates the existing Los Banos Wastewater Treatment Facility, which is the closest wastewater facility to the Project site. There is also an existing sewer pipeline that runs southwest to northeast across the Project site, situated in-between the two southernmost proposed basin cells, and connecting to the wastewater treatment ponds. However, no wastewater would be generated during Project construction or operation, and the pipeline will not need to be relocated.

Landfills

The closest landfill to the Project site is the Billy Wright Landfill over eight miles west of the Project area; however, no substantial solid waste would be generated during Project construction or operation.

Electricity, Natural Gas, and Telecommunications

There is an existing overhead power line that runs east-west and lies in-between the two northernmost basin cells. Neither natural gas pipelines nor telecommunications infrastructure are present on the Project site.

4.19.2 Impact Analysis

a) Would the project 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?

No Impact. The Project would not require the relocation or construction of new or expanded facilities for water, wastewater treatment, storm water drainage, electric power, natural gas, or telecommunications. The Project includes the construction of a new basin but it would not cause significant environmental effects as the Project would follow all required standards and policies. There is an existing electricity connection available on the west side of the Project site near the proposed turnouts. Additionally, the Project construction would likely increase water supply, improve groundwater conditions, reduce costs to produce groundwater, increase diversification and availability of water supplies, and facilitate compliance with the Sustainable Groundwater Management Act. There would be no impact.

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

No Impact. The Project consists of construction of a multi-cell basin, approximately 160 acres total that would capture available surface water that would not otherwise be available for beneficial use, and would store that water to use it more efficiently. The water would be used in the City's efforts to achieve groundwater sustainability. A reduction in groundwater demand would occur at the Project site. Project operation would be passive and would not reduce the area's available water supply. There would be no impact.

c) Would the project 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?

No Impact. The Project does not require or propose any wastewater collection or treatment, and therefore would not create or increase any wastewater demand on any wastewater treatment provider. There would be no impact.

d) Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Less than Significant Impact. The Project would generate some solid waste during construction; however, it would be temporary and properly disposed of during construction and upon completion. Operation of

the basin would not generate solid waste. Any impacts with regard to solid waste would be less than significant.

e) Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

No Impact. The Project operation itself is not anticipated to produce any solid waste. However, the Project is required and would be expected to comply with any federal, State, and local regulations regarding solid waste management during the construction period. There would be no impact.

4.20 WILDFIRE

Table 4-25: Wildfire Impacts

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
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 uncontrollable spread of wildfire?	☐	☐	☐	☒
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?	☐	☐	☐	☒
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?	☐	☐	☐	☒

4.20.1 Baseline Conditions

The Project site is located approximately 7.5 miles east-northeast of the nearest State Responsibility Area (SRA) and approximately 20 miles east of the nearest Very High Fire Hazard Severity Area according to CalFIRE.[40][41] The Project site is not located in an area that is known for wildfires and would not face any potential impacts due to wildfire.

4.20.2 Impact Analysis

a) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan?

b) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project 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?

[40] (CalFIRE 2023)
[41] (CalFire 2023)

c) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project 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?

d) If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project 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?

a-d) No Impact. The Project site is not located in or near an SRA nor located on lands classified as very high fire hazard severity zones. The nearest SRA Fire Hazard Zone is located over seven miles southwest of the Project site. Construction or implementation of the basin would not impede any existing or future emergency response plans. The Project site and the surrounding lands mostly consist of agricultural and related infrastructure on relatively flat and open land, as well as low density residential uses west of the Project. Additionally, the Project does not include the construction of any residential components or structures of any kind, nor would it require any employees to be stationed permanently at the site on a daily basis. There would be no impact.

4.21 CEQA MANDATORY FINDINGS OF SIGNIFICANCE

Table 4-26: CEQA Mandatory Findings of Significance

Does 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?	☐	☒	☐	☐
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)?	☐	☐	☒	☐
c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☐	☒	☐

4.21.1 Statement of Findings

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Less than Significant Impact with Mitigation Incorporated. The analysis conducted in this IS/MND results in a determination that the Project, with incorporation of mitigation measures, will have a less than significant effect on the environment. The potential for impacts to biological resources, cultural resources, geology and soils, and tribal cultural resources from the construction and operation of the Project will be less than significant with the incorporation of the mitigation measures discussed in Chapter 5 Mitigation, Monitoring, and Reporting Program. Accordingly, the Project will involve no potential for significant impacts through the degradation of the quality of the environment, the reduction in the habitat or population of fish or wildlife, including endangered plants or animals, the elimination of a plant or animal community or example of a major period of California history or prehistory.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when

viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

Less than Significant Impact. CEQA Guidelines Section 15064(i) States that a Lead Agency shall consider whether the cumulative impact of a project is significant and whether the effects of the project are cumulatively considerable. The assessment of the significance of the cumulative effects of a project must, therefore, be conducted in connection with the effects of past projects, other current projects, and probable future projects. The Project would include the construction of a basin used for surface and storm water capture as well as groundwater recharge and connecting the basin to existing GWD canals.

No additional public roads would be constructed as a result of the Project, nor would any additional public services be required. The Project is not expected to result in direct or indirect population growth. Therefore, implementation of the Project would not result in significant cumulative impacts and all potential impacts would be reduced to less than significant through the implementation of mitigation measures and basic regulatory requirements incorporated into future Project design.

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

Less than Significant Impact. The Project would include the construction of a basin in Merced County. The Project in and of itself would not create a significant hazard to the public or the environment. Construction-related air quality/dust exposure impacts could occur temporarily as a result of Project construction. However, implementation of basic regulatory requirements identified in this IS/MND would ensure that impacts are less than significant. Therefore, the Project would not have any direct or indirect adverse impacts on humans. The impacts would be less than significant.

CHAPTER 5 MITIGATION, MONITORING, AND REPORTING PROGRAM

This MMRP has been formulated based upon the findings of the Initial Study/Mitigated Negative Declaration (IS/MND) for the Project in the City of Los Banos. The MMRP lists mitigation measures recommended in the IS/MND for the Project and identifies monitoring and reporting requirements.

Table 5-1: Mitigation, Monitoring, and Reporting Program presents the mitigation measures identified for the Project. Each mitigation measure is numbered with a symbol indicating the topical section to which it pertains, a hyphen, and the impact number. For example, AIR-2 would be the second mitigation measure identified in the Air Quality analysis of the IS/MND.

The first column of ***Table 5-1: Mitigation, Monitoring, and Reporting*** Program identifies the mitigation measure. The second column, entitled "When Monitoring is to Occur," identifies the time the mitigation measure should be initiated. The third column, "Frequency of Monitoring," identifies the frequency of the monitoring of the mitigation measure. The fourth column, "Agency Responsible for Monitoring," names the party ultimately responsible for ensuring that the mitigation measure is implemented. The last columns will be used by the Lead and Responsible Agencies to ensure that individual mitigation measures have been complied with and monitored.

Table 5-1: Mitigation, Monitoring, and Reporting Program

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
Biological Resources						
BURROWING OWL 4.2.1A	(Take Avoidance Survey). A pre-construction "take avoidance" survey will be conducted by a qualified biologist for burrowing owl no less than 14 days prior to the onset of construction in the APE according to the methods described in the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). The survey area will include all suitable habitat on and within 200 meters of the Project impact area, where accessible.	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	Precon Survey Memo	
4.2.1B	(Avoidance of Active Nests). If Project activities are undertaken during the breeding season (February 1- August 31) and active nest burrows are identified on or within the APE, a 200-meter disturbance-free buffer will be established around these burrows. The buffers will be enclosed with temporary fencing to prevent construction equipment and workers from entering the setback area. Buffers will remain in place for the duration of the breeding season unless otherwise arranged with CDFW. After breeding season has ended and all young have left the nest, passive relocation of any remaining owls may take place as described below.	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	Site Inspection to verify construction of buffers.	
4.2.1C	(Avoidance or Passive Relocation of Resident Owls). During the non-breeding season (September 1- January 31), resident owls occupying burrows in Project impact areas may either be avoided or passively relocated to alternative habitat. If the Applicant chooses to avoid active owl burrows within the APE during the non-breeding season, a 50-meter disturbance free buffer will be established around these burrows or alterative measures will be implemented in consultation with CDFW. These buffers will be enclosed with	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	Site Inspection to verify construction of buffers.	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	temporary fencing and will remain in place until a qualified biologist determines that the burrows are no longer active. If the Applicant chooses to passively relocate owls during the non-breeding season, this activity will be conducted in accordance with a relocation plan prepared by a qualified biologist.					
SWAINSON'S HAWK 4.2.2A	**(Construction Timing)**. If feasible, Project construction will occur entirely outside the Swainson's hawk nesting season, typically defined as March 1- September 15.	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	n/a	
4.2.2B	**(Preconstruction Surveys)**. If construction activities must occur between March 1 and September 15, then within 10 days prior to the start of work, a qualified biologist will conduct preconstruction surveys from publicly accessible roads for Swainson's hawk nests within ½ miles of the APE.	Prior to construction activities	Prior to construction activities	City with assistance of a qualified biologist	Precon Survey Memo	
4.2.2C	**(Avoidance of Active Nests)**. Should any active nests be discovered within the survey area, an appropriate disturbance-free buffer will be established based on local conditions and agency guidelines. Disturbance free buffers will be identified on the ground with flagging, fencing, or by other easily visible means and will be maintained until a qualified biologist has determined that the young have fledged and are capable of foraging independently.	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	Site Inspection to verify construction of buffers.	
NESTING BIRDS 4.2.3A	**(Construction Timing)**. If feasible, the Project will be implemented outside of the avian nesting season, typically defined as February 1 to August 31.	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	n/a	
4.2.3B	**(Preconstruction Surveys)**. If construction is to occur between February 1 and August 31, a qualified biologist will conduct pre-construction surveys for active bird nests within 10 days prior to the start of construction. The survey area will encompass the site and accessible surrounding	Prior to construction activities	Prior to construction activities	City with assistance of a qualified biologist	Precon Survey Memo	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	lands within 250 feet for nesting migratory birds and 500 feet for raptors (i.e., birds of prey).					
4.2.3C	**(Avoidance of Active Nests)**. Should any active nests be discovered in or near proposed construction zones, the biologist will identify a suitable construction-free buffer around the nest. This buffer will be identified on the ground with flagging or fencing and will be maintained until the biologist has determined that the young have fledged and are capable of foraging independently.	Prior to construction activities	Prior to construction activities	City of Los Banos with assistance of a qualified biologist	Site Inspection to verify construction of buffers.	
Cultural Resources						
CUL-1	(**Archaeological Remains**): Should archaeological remains or artifacts be unearthed during any stage of project activities, work in the area of discovery shall cease until the area is evaluated by a qualified archaeologist. If mitigation is warranted, the project proponent shall abide by recommendations of the archaeologist.	During construction activities	Daily	City of Los Banos	Memo summarizing discovery.	
CUL-2	(**Human Remains**): In the event that any human remains are discovered on the Project site, the Merced County Coroner must be notified of the discovery (California Health and Safety Code, Section 7050.5) and all activities in the immediate area of the find or in any nearby area reasonably suspected to overlie adjacent human remains must cease until appropriate and lawful measures have been implemented. If the Coroner determines that the remains are not recent, but rather of Native American origin, the Coroner shall notify the Native American Heritage Commission (NAHC) in Sacramento within 24 hours to permit the NAHC to determine the Most Likely Descendent of the deceased Native American	During construction activities	Daily	City of Los Banos	Memo summarizing discovery.	
Geology and Soils						
GEO-1	**(Paleontological Resources)** Should paleontological resources be encountered on the Project site, all ground disturbing activities in the area shall stop. A	During construction activities	Daily	City of Los Banos	Memo summarizing discovery.	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	qualified paleontologist shall be contacted to assess the discovery. Mitigation may include monitoring, recording the fossil locality, data recovery and analysis, and a final report. Public educational outreach may also be appropriate. Upon completion of the assessment, a report documenting methods, findings, and recommendations shall be prepared and submitted to the County of Merced for review, and (if paleontological materials are recovered) a paleontological repository, such as the University of California Museum of Paleontology					
Tribal Cultural Resources						
TCR-1	**(Sensitivity and Awareness Training)**: Prior to construction the applicant/contractor shall be required to provide a cultural resources and tribal cultural resources sensitivity and awareness training program (Worker Environmental Awareness Program [WEAP]) for all personnel involved in project construction, including field consultants and construction workers. The WEAP will be developed in coordination with an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology, as well as culturally affiliated Native American tribes. The WEAP shall be conducted before any project-related construction activities begin in the project site. The WEAP will include relevant information regarding sensitive cultural resources and tribal cultural resources, including applicable regulations, protocols for avoidance, and consequences of violating State laws and regulations. The WEAP will also describe appropriate avoidance and impact minimization measures for cultural resources and tribal cultural resources that could be located at the project site and will outline what to do and who to contact if any potential cultural resources or tribal cultural	Prior to Construction	Once	City of Los Banos	Record of training attendance.	

Mitigation, Monitoring, and Reporting Program						
Item	Mitigation Measure	When Monitoring is to Occur	Frequency of Monitoring	Agency Responsible for Monitoring	Method to Verify Compliance	Verification of Compliance
	resources are encountered. The WEAP will emphasize the requirement for confidentiality and culturally appropriate treatment of any discovery of significance to Native Americans and will discuss appropriate behaviors and responsive actions, consistent with Native American tribal values					
TCR-2	(Inadvertent Discoveries): In the case of any inadvertent discoveries at any time during the duration of construction or implementation, all work will be stopped within 100 feet of the discovery, and the City shall contact the Santa Rosa Rancheria Tachi-Yokut Tribe for further information, investigation, and guidance on the process for handling such discoveries.	During Construction	During ground disturbing activities	City of Los Banos	Memo summarizing discovery.	

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Stormwater/Recharge Basin - CLB Detailed Report

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Data Field	Value
Project Name	Stormwater/Recharge Basin - CLB
Construction Start Date	5/1/2024
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	25.0
Location	37.08359, -120.8189
County	Merced
City	Unincorporated
Air District	San Joaquin Valley APCD
Air Basin	San Joaquin Valley
TAZ	2315
EDFZ	5
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Other Non-Asphalt Surfaces	180	Acre	180	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Un/Mit.	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.64	34.4	31.6	0.06	1.45	3.74	5.19	1.33	1.46	2.79	—	6,772	6,772	0.28	0.06	0.74	6,798
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.74	36.0	33.8	0.06	1.60	7.80	9.40	1.47	3.97	5.44	—	6,753	6,753	0.28	0.06	0.02	6,778
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.30	12.4	11.4	0.02	0.53	1.78	2.31	0.49	0.80	1.29	—	2,262	2,262	0.09	0.02	0.11	2,271
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.24	2.27	2.08	< 0.005	0.10	0.32	0.42	0.09	0.15	0.23	—	375	375	0.02	< 0.005	0.02	376

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2024	3.64	34.4	31.6	0.06	1.45	3.74	5.19	1.33	1.46	2.79	—	6,772	6,772	0.28	0.06	0.74	6,798
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	3.74	36.0	33.8	0.06	1.60	7.80	9.40	1.47	3.97	5.44	—	6,753	6,753	0.28	0.06	0.02	6,778
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	1.30	12.4	11.4	0.02	0.53	1.78	2.31	0.49	0.80	1.29	—	2,262	2,262	0.09	0.02	0.11	2,271
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2024	0.24	2.27	2.08	< 0.005	0.10	0.32	0.42	0.09	0.15	0.23	—	375	375	0.02	< 0.005	0.02	376

3. Construction Emissions Details

3.1. Site Preparation (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.65	36.0	32.9	0.05	1.60	—	1.60	1.47	—	1.47	—	5,296	5,296	0.21	0.04	—	5,314
Dust From Material Movement	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.40	3.94	3.61	0.01	0.18	—	0.18	0.16	—	0.16	—	580	580	0.02	< 0.005	—	582
Dust From Material Movement	—	—	—	—	—	0.84	0.84	—	0.43	0.43	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.72	0.66	< 0.005	0.03	—	0.03	0.03	—	0.03	—	96.1	96.1	< 0.005	< 0.005	—	96.4
Dust From Material Movement	—	—	—	—	—	0.15	0.15	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.92	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	136	136	0.01	0.01	0.02	138
Vendor	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
Hauling	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.10	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	15.4	15.4	< 0.005	< 0.005	0.03	15.6
Vendor	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

Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.54	2.54	< 0.005	< 0.005	0.01	2.58
Vendor	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
Hauling	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

3.3. Grading (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.52	34.3	30.2	0.06	1.45	—	1.45	1.33	—	1.33	—	6,598	6,598	0.27	0.05	—	6,621
Dust From Material Movement	—	—	—	—	—	3.59	3.59	—	1.42	1.42	—	—	—	—	—	—	—
Onsite truck	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.87	8.45	7.44	0.02	0.36	—	0.36	0.33	—	0.33	—	1,627	1,627	0.07	0.01	—	1,633
Dust From Material Movement	—	—	—	—	—	0.89	0.89	—	0.35	0.35	—	—	—	—	—	—	—
Onsite truck	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	1.54	1.36	< 0.005	0.07	—	0.07	0.06	—	0.06	—	269	269	0.01	< 0.005	—	270
Dust From Material Movement	—	—	—	—	—	0.16	0.16	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.09	1.39	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	174	174	0.01	0.01	0.74	177
Vendor	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
Hauling	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	1.05	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	155	155	0.01	0.01	0.02	158
Vendor	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
Hauling	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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.27	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	39.5	39.5	< 0.005	< 0.005	0.08	40.1
Vendor	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
Hauling	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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	0.05	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.54	6.54	< 0.005	< 0.005	0.01	6.64
Vendor	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
Hauling	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

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/1/2024	2/23/2024	5.00	40.0	—
Grading	Grading	2/24/2024	6/28/2024	5.00	90.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	84.0	0.37
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	10.9	LDA,LDT1,LDT2
Site Preparation	Vendor	—	8.27	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	10.9	LDA,LDT1,LDT2
Grading	Vendor	—	8.27	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Ton of Debris)	Material Exported (Ton of Debris)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	22.5	0.00	—
Grading	0.00	0.00	30.0	0.00	—

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Other Non-Asphalt Surfaces	180	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	0.00	204	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	32.5	annual days of extreme heat
Extreme Precipitation	1.05	annual days with precipitation above 20 mm

Sea Level Rise	—	meters of inundation depth
Wildfire	0.00	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score

Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	N/A	N/A	N/A	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	71.7
AQ-PM	55.8
AQ-DPM	27.7
Drinking Water	94.4
Lead Risk Housing	33.0
Pesticides	90.0
Toxic Releases	3.41

Traffic	34.5
Effect Indicators	—
CleanUp Sites	31.2
Groundwater	82.7
Haz Waste Facilities/Generators	16.6
Impaired Water Bodies	43.8
Solid Waste	88.9
Sensitive Population	—
Asthma	97.6
Cardio-vascular	84.8
Low Birth Weights	55.1
Socioeconomic Factor Indicators	—
Education	78.5
Housing	52.1
Linguistic	88.7
Poverty	73.0
Unemployment	96.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	19.1068908
Employed	9.919158219
Median HI	27.55036571
Education	—
Bachelor's or higher	17.25907866

High school enrollment	22.2764019
Preschool enrollment	26.03618632
Transportation	—
Auto Access	69.12613884
Active commuting	13.21698961
Social	—
2-parent households	58.97600411
Voting	24.85563968
Neighborhood	—
Alcohol availability	78.24971128
Park access	57.2308482
Retail density	12.34441165
Supermarket access	31.1176697
Tree canopy	16.18118825
Housing	—
Homeownership	46.75991274
Housing habitability	57.92377775
Low-inc homeowner severe housing cost burden	42.17887848
Low-inc renter severe housing cost burden	56.92287951
Uncrowded housing	44.92493263
Health Outcomes	—
Insured adults	41.30630053
Arthritis	0.0
Asthma ER Admissions	4.2
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0

Coronary Heart Disease	0.0
Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	28.6
Cognitively Disabled	64.4
Physically Disabled	57.4
Heart Attack ER Admissions	1.1
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	39.3
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	19.0
Elderly	73.9
English Speaking	16.2
Foreign-born	52.2
Outdoor Workers	8.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	66.1

Traffic Density	17.7
Traffic Access	0.0
Other Indices	—
Hardship	81.4
Other Decision Support	—
2016 Voting	40.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	89.0
Healthy Places Index Score for Project Location (b)	22.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	No demolition; no paving.

*HARP - HRACalc v21081 11/10/2023 1:35:04 PM - Acute Risk - Input File: G:\Los Banos_City of-3501\350123007-Recharge Basin and Stormwater Capture\200 Technical\215 Env Planning\Appendices\App A - Air Quality\HRA\BASIN\hra\BASIN_HRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE'	RESP	SKIN	EYE	BONE/TEE'	ENDO	BLOOD	ODOR	GENERAL
1	PROPERTY		693420	4107051	18.51926	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2	PROPERTY		693417.9	4107036	19.17543	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
3	PROPERTY		693415.8	4107021	19.8697	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
4	PROPERTY		693413.6	4107007	20.5642	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
5	PROPERTY		693411.4	4106992	21.34389	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
6	PROPERTY		693409.3	4106977	22.16967	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
7	PROPERTY		693407.2	4106962	23.03743	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
8	PROPERTY		693405.1	4106947	23.94251	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
9	PROPERTY		693402.9	4106932	24.86398	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
10	PROPERTY		693400.8	4106918	25.71112	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
11	PROPERTY		693398.6	4106903	26.56154	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
12	PROPERTY		693396.5	4106888	27.26462	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
13	PROPERTY		693394.4	4106873	27.62725	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
14	PROPERTY		693392.3	4106858	27.35103	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
15	PROPERTY		693390.1	4106843	30.69091	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
16	PROPERTY		693387.9	4106828	33.32446	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
17	PROPERTY		693385.8	4106814	35.10424	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
18	PROPERTY		693383.7	4106799	36.36621	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
19	PROPERTY		693381.6	4106784	37.24803	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
20	PROPERTY		693381	4106780	37.42106	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
21	PROPERTY		693379.3	4106765	37.98152	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
22	PROPERTY		693377.6	4106750	38.23014	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
23	PROPERTY		693376	4106735	38.22433	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
24	PROPERTY		693374.3	4106721	37.88614	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
25	PROPERTY		693372.6	4106706	37.29537	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
26	PROPERTY		693371	4106691	36.60225	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
27	PROPERTY		693371.2	4106676	36.26757	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
28	PROPERTY		693371.4	4106661	37.15086	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
29	PROPERTY		693371.6	4106646	38.12539	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
30	PROPERTY		693371.8	4106631	39.00502	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
31	PROPERTY		693372.1	4106616	39.81396	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
32	PROPERTY		693372.3	4106601	40.5069	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
33	PROPERTY		693372.5	4106586	41.07011	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
34	PROPERTY		693372.7	4106571	41.40649	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
35	PROPERTY		693372.9	4106556	41.28873	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
36	PROPERTY		693373	4106549	41.02084	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
37	PROPERTY		693358	4106548	37.75273	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
38	PROPERTY		693343.1	4106548	35.22987	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
39	PROPERTY		693328.1	4106547	33.32711	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
40	PROPERTY		693313.1	4106546	31.88303	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
41	PROPERTY		693298.1	4106545	30.66427	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
42	PROPERTY		693283.1	4106544	29.60861	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
43	PROPERTY		693268.1	4106543	28.67238	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
44	PROPERTY		693253.2	4106543	27.82319	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
45	PROPERTY		693238.2	4106542	27.04226	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
46	PROPERTY		693225	4106541	26.39718	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
47	PROPERTY		693224.9	4106526	26.39766	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
48	PROPERTY		693224.9	4106511	26.2949	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
49	PROPERTY		693224.8	4106496	26.06037	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
50	PROPERTY		693224.8	4106481	25.69282	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
51	PROPERTY		693224.8	4106466	25.18648	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
52	PROPERTY		693224.7	4106451	24.54502	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
53	PROPERTY		693224.6	4106436	23.7942	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
54	PROPERTY		693224.6	4106421	22.95774	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
55	PROPERTY		693224.5	4106406	22.03983	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
56	PROPERTY		693224.4	4106391	21.05567	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
57	PROPERTY		693224.4	4106376	20.01607	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

58	PROPERTY	693224.3	4106361	18.90714	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
59	PROPERTY	693224.3	4106346	17.74471	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
60	PROPERTY	693224.2	4106331	17.60123	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
61	PROPERTY	693224.1	4106316	17.46006	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
62	PROPERTY	693224.1	4106301	17.29076	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
63	PROPERTY	693224.1	4106286	17.10622	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
64	PROPERTY	693224	4106271	16.91625	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
65	PROPERTY	693223.9	4106256	16.7304	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
66	PROPERTY	693223.9	4106241	16.55395	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
67	PROPERTY	693223.8	4106226	16.3812	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
68	PROPERTY	693223.8	4106211	16.21709	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
69	PROPERTY	693223.7	4106196	16.05919	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
70	PROPERTY	693223.6	4106181	15.90913	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
71	PROPERTY	693223.6	4106166	15.76713	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
72	PROPERTY	693223.5	4106151	15.62899	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
73	PROPERTY	693223.5	4106136	15.49826	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
74	PROPERTY	693223.4	4106121	15.36964	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
75	PROPERTY	693223.4	4106106	15.24746	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
76	PROPERTY	693223.3	4106091	15.12713	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
77	PROPERTY	693223.3	4106076	15.01028	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
78	PROPERTY	693223.2	4106061	14.89221	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
79	PROPERTY	693223.1	4106046	14.77076	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
80	PROPERTY	693223.1	4106031	14.64186	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
81	PROPERTY	693223	4106016	14.49624	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
82	PROPERTY	693222.9	4106001	14.32275	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
83	PROPERTY	693222.9	4105986	14.10863	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
84	PROPERTY	693222.9	4105971	13.83474	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
85	PROPERTY	693222.8	4105956	13.48065	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
86	PROPERTY	693222.8	4105941	13.02777	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
87	PROPERTY	693222.7	4105926	12.45807	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
88	PROPERTY	693222.6	4105911	11.76251	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
89	PROPERTY	693222.6	4105896	10.94368	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
90	PROPERTY	693222.5	4105881	10.01129	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
91	PROPERTY	693222.4	4105866	8.989909	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
92	PROPERTY	693222.4	4105851	8.834801	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
93	PROPERTY	693222.3	4105836	8.775134	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
94	PROPERTY	693222.3	4105821	8.711882	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
95	PROPERTY	693222.3	4105806	8.641032	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
96	PROPERTY	693222.2	4105791	8.558846	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
97	PROPERTY	693222.1	4105776	8.461358	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
98	PROPERTY	693222.1	4105761	8.345206	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
99	PROPERTY	693222	4105746	8.205101	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
100	PROPERTY	693221.9	4105731	8.037848	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
101	PROPERTY	693221.9	4105716	7.839036	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
102	PROPERTY	693221.8	4105701	7.607372	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
103	PROPERTY	693221.8	4105686	7.341914	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
104	PROPERTY	693221.8	4105671	7.043484	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
105	PROPERTY	693221.7	4105656	6.713985	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
106	PROPERTY	693221.6	4105641	6.358312	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
107	PROPERTY	693221.6	4105626	6.172744	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
108	PROPERTY	693221.5	4105611	6.143758	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
109	PROPERTY	693221.4	4105596	6.114776	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
110	PROPERTY	693221.4	4105581	6.086525	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
111	PROPERTY	693221.3	4105566	6.058406	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
112	PROPERTY	693221.3	4105551	6.031022	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
113	PROPERTY	693221.2	4105536	6.003301	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
114	PROPERTY	693221.1	4105521	5.975815	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
115	PROPERTY	693221.1	4105506	5.952188	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
116	PROPERTY	693221.1	4105491	5.978766	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

117	PROPERTY	693221	4105481	5.992841	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
118	PROPERTY	693236	4105481	6.077027	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
119	PROPERTY	693251	4105482	6.146128	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
120	PROPERTY	693266	4105482	6.206954	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
121	PROPERTY	693281	4105483	6.274427	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
122	PROPERTY	693296	4105483	6.367629	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
123	PROPERTY	693311	4105483	6.462521	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
124	PROPERTY	693326	4105484	6.560108	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
125	PROPERTY	693341	4105484	6.654979	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
126	PROPERTY	693355.9	4105484	6.748892	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
127	PROPERTY	693370.9	4105485	6.845388	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
128	PROPERTY	693385.9	4105485	6.936042	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
129	PROPERTY	693400.9	4105485	7.021928	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
130	PROPERTY	693415.9	4105486	7.106731	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
131	PROPERTY	693430.9	4105486	7.178348	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
132	PROPERTY	693445.9	4105487	7.245864	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
133	PROPERTY	693460.9	4105487	7.293396	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
134	PROPERTY	693475.9	4105487	7.323964	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
135	PROPERTY	693490.9	4105488	7.34415	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
136	PROPERTY	693505.9	4105488	7.333052	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
137	PROPERTY	693520.9	4105488	7.296818	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
138	PROPERTY	693535.9	4105489	7.245803	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
139	PROPERTY	693550.9	4105489	7.388465	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
140	PROPERTY	693565.9	4105489	7.545574	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
141	PROPERTY	693580.9	4105490	7.710674	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
142	PROPERTY	693595.9	4105490	7.872505	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
143	PROPERTY	693610.9	4105490	8.031476	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
144	PROPERTY	693625.9	4105491	8.189166	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
145	PROPERTY	693640.9	4105491	8.323366	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
146	PROPERTY	693655.9	4105492	8.438199	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
147	PROPERTY	693670.9	4105492	8.506874	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
148	PROPERTY	693685.9	4105492	8.525352	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
149	PROPERTY	693700.9	4105493	8.496912	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
150	PROPERTY	693715.9	4105493	8.399762	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
151	PROPERTY	693730.9	4105493	8.247843	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
152	PROPERTY	693745.9	4105494	8.061296	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
153	PROPERTY	693760.9	4105494	7.827102	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
154	PROPERTY	693775.8	4105494	7.748589	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
155	PROPERTY	693790.8	4105495	8.192907	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
156	PROPERTY	693805.8	4105495	8.580716	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
157	PROPERTY	693820.8	4105495	8.914248	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
158	PROPERTY	693835.8	4105496	9.195934	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
159	PROPERTY	693850.8	4105496	9.388176	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
160	PROPERTY	693865.8	4105497	9.787648	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
161	PROPERTY	693880.8	4105497	10.24152	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
162	PROPERTY	693895.8	4105497	10.623	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
163	PROPERTY	693910.8	4105498	10.94351	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
164	PROPERTY	693925.8	4105498	11.15765	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
165	PROPERTY	693940.8	4105498	11.28527	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
166	PROPERTY	693955.8	4105499	11.34534	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
167	PROPERTY	693970.8	4105499	11.3098	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
168	PROPERTY	693985.8	4105499	11.20168	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
169	PROPERTY	694000.8	4105500	11.0386	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
170	PROPERTY	694015.8	4105500	10.8069	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

*HARP - HRACalc v21081 11/10/2023 1:35:04 PM - Cancer Risk - Input File: G:\Los Banos_City of-3501\350123007-Recharge Basin and Stormwater Capture\200 Technical\215 Env Planning\Appendices\App A - Air Quality\HRA\BASIN\hra\BASIN_HRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE'	RISK_SUM	SCENARIO	DETAILS	INH_RISK	SOIL_RISK	DERMAL_R	MMILK_RI	WATER_RI	FISH_RISK	CROP_RISK	BEEF_RISK	DAIRY_RIS	PIG_RISK	CHICKEN_F	EGG_RISK	1ST_DRIVE	2ND_DRIVER
1	PROPERTY		693420	4107051	0.001087	9901	DieselExhP	1.49E-07	0.75YrCanc	*	1.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
2	PROPERTY		693417.9	4107036	0.001169	9901	DieselExhP	1.60E-07	0.75YrCanc	*	1.60E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
3	PROPERTY		693415.8	4107021	0.001263	9901	DieselExhP	1.73E-07	0.75YrCanc	*	1.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
4	PROPERTY		693413.6	4107007	0.001365	9901	DieselExhP	1.87E-07	0.75YrCanc	*	1.87E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
5	PROPERTY		693411.4	4106992	0.001491	9901	DieselExhP	2.04E-07	0.75YrCanc	*	2.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
6	PROPERTY		693409.3	4106977	0.001637	9901	DieselExhP	2.24E-07	0.75YrCanc	*	2.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
7	PROPERTY		693407.2	4106962	0.001812	9901	DieselExhP	2.48E-07	0.75YrCanc	*	2.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
8	PROPERTY		693405.1	4106947	0.002026	9901	DieselExhP	2.77E-07	0.75YrCanc	*	2.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
9	PROPERTY		693402.9	4106932	0.002295	9901	DieselExhP	3.14E-07	0.75YrCanc	*	3.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
10	PROPERTY		693400.8	4106918	0.002618	9901	DieselExhP	3.58E-07	0.75YrCanc	*	3.58E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
11	PROPERTY		693398.6	4106903	0.003086	9901	DieselExhP	4.22E-07	0.75YrCanc	*	4.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
12	PROPERTY		693396.5	4106888	0.003768	9901	DieselExhP	5.15E-07	0.75YrCanc	*	5.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
13	PROPERTY		693394.4	4106873	0.004876	9901	DieselExhP	6.67E-07	0.75YrCanc	*	6.67E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
14	PROPERTY		693392.3	4106858	0.006811	9901	DieselExhP	9.32E-07	0.75YrCanc	*	9.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
15	PROPERTY		693390.1	4106843	0.009908	9901	DieselExhP	1.36E-06	0.75YrCanc	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
16	PROPERTY		693387.9	4106828	0.013657	9901	DieselExhP	1.87E-06	0.75YrCanc	*	1.87E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
17	PROPERTY		693385.8	4106814	0.01707	9901	DieselExhP	2.33E-06	0.75YrCanc	*	2.33E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
18	PROPERTY		693383.7	4106799	0.020368	9901	DieselExhP	2.79E-06	0.75YrCanc	*	2.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
19	PROPERTY		693381.6	4106784	0.02323	9901	DieselExhP	3.18E-06	0.75YrCanc	*	3.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
20	PROPERTY		693381	4106780	0.023906	9901	DieselExhP	3.27E-06	0.75YrCanc	*	3.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
21	PROPERTY		693379.3	4106765	0.026466	9901	DieselExhP	3.62E-06	0.75YrCanc	*	3.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
22	PROPERTY		693377.6	4106750	0.028732	9901	DieselExhP	3.93E-06	0.75YrCanc	*	3.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
23	PROPERTY		693376	4106735	0.030775	9901	DieselExhP	4.21E-06	0.75YrCanc	*	4.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
24	PROPERTY		693374.3	4106721	0.032247	9901	DieselExhP	4.41E-06	0.75YrCanc	*	4.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
25	PROPERTY		693372.6	4106706	0.033454	9901	DieselExhP	4.58E-06	0.75YrCanc	*	4.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
26	PROPERTY		693371	4106691	0.034272	9901	DieselExhP	4.69E-06	0.75YrCanc	*	4.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
27	PROPERTY		693371.2	4106676	0.035919	9901	DieselExhP	4.91E-06	0.75YrCanc	*	4.91E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
28	PROPERTY		693371.4	4106661	0.037346	9901	DieselExhP	5.11E-06	0.75YrCanc	*	5.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
29	PROPERTY		693371.6	4106646	0.038598	9901	DieselExhP	5.28E-06	0.75YrCanc	*	5.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
30	PROPERTY		693371.8	4106631	0.039708	9901	DieselExhP	5.43E-06	0.75YrCanc	*	5.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
31	PROPERTY		693372.1	4106616	0.040762	9901	DieselExhP	5.58E-06	0.75YrCanc	*	5.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
32	PROPERTY		693372.3	4106601	0.041621	9901	DieselExhP	5.69E-06	0.75YrCanc	*	5.69E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
33	PROPERTY		693372.5	4106586	0.042341	9901	DieselExhP	5.79E-06	0.75YrCanc	*	5.79E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
34	PROPERTY		693372.7	4106571	0.04286	9901	DieselExhP	5.86E-06	0.75YrCanc	*	5.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
35	PROPERTY		693372.9	4106556	0.04306	9901	DieselExhP	5.89E-06	0.75YrCanc	*	5.89E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
36	PROPERTY		693373	4106549	0.042994	9901	DieselExhP	5.88E-06	0.75YrCanc	*	5.88E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
37	PROPERTY		693358	4106548	0.033922	9901	DieselExhP	4.64E-06	0.75YrCanc	*	4.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
38	PROPERTY		693343.1	4106548	0.028244	9901	DieselExhP	3.86E-06	0.75YrCanc	*	3.86E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
39	PROPERTY		693328.1	4106547	0.024227	9901	DieselExhP	3.31E-06	0.75YrCanc	*	3.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
40	PROPERTY		693313.1	4106546	0.021224	9901	DieselExhP	2.90E-06	0.75YrCanc	*	2.90E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
41	PROPERTY		693298.1	4106545	0.018878	9901	DieselExhP	2.58E-06	0.75YrCanc	*	2.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
42	PROPERTY		693283.1	4106544	0.016987	9901	DieselExhP	2.32E-06	0.75YrCanc	*	2.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
43	PROPERTY		693268.1	4106543	0.015423	9901	DieselExhP	2.11E-06	0.75YrCanc	*	2.11E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
44	PROPERTY		693253.2	4106543	0.014116	9901	DieselExhP	1.93E-06	0.75YrCanc	*	1.93E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
45	PROPERTY		693238.2	4106542	0.012989	9901	DieselExhP	1.78E-06	0.75YrCanc	*	1.78E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
46	PROPERTY		693225	4106541	0.012123	9901	DieselExhP	1.66E-06	0.75YrCanc	*	1.66E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
47	PROPERTY		693224.9	4106526	0.012065	9901	DieselExhP	1.65E-06	0.75YrCanc	*	1.65E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
48	PROPERTY		693224.9	4106511	0.011983	9901	DieselExhP	1.64E-06	0.75YrCanc	*	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
49	PROPERTY		693224.8	4106496	0.011867	9901	DieselExhP	1.62E-06	0.75YrCanc	*	1.62E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
50	PROPERTY		693224.8	4106481	0.011732	9901	DieselExhP	1.60E-06	0.75YrCanc	*	1.60E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
51	PROPERTY		693224.8	4106466	0.011574	9901	DieselExhP	1.58E-06	0.75YrCanc	*	1.58E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
52	PROPERTY		693224.7	4106451	0.011392	9901	DieselExhP	1.56E-06	0.75YrCanc	*	1.56E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
53	PROPERTY		693224.6	4106436	0.011194	9901	DieselExhP	1.53E-06	0.75YrCanc	*	1.53E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
54	PROPERTY		693224.6	4106421	0.010989	9901	DieselExhP	1.50E-06	0.75YrCanc	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
55	PROPERTY		693224.5	4106406	0.010769	9901	DieselExhP	1.47E-06	0.75YrCanc	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
56	PROPERTY		693224.4	4106391	0.010542	9901	DieselExhP	1.44E-06	0.75YrCanc	*	1.44E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
57	PROPERTY		693224.4	4106376	0.010314	9901	DieselExhP	1.41E-06	0.75YrCanc	*	1.41E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
58	PROPERTY		693224.3	4106361	0.010076	9901	DieselExhP	1.38E-06	0.75YrCanc	*	1.38E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
59	PROPERTY		693224.3	4106346	0.00984	9901	DieselExhP	1.35E-06	0.75YrCanc	*	1.35E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
60	PROPERTY		693224.2	4106331	0.009596	9901	DieselExhP	1.31E-06	0.75YrCanc	*	1.31E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
61	PROPERTY		693224.1	4106316	0.009352	9901	DieselExhP	1.28E-06	0.75YrCanc	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
62	PROPERTY		693224.1	4106301	0.009113	9901	DieselExhP	1.25E-06	0.75YrCanc	*	1.25E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
63	PROPERTY		693224.1	4106286	0.008875	9901	DieselExhP	1.21E-06	0.75YrCanc	*	1.21E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
64	PROPERTY		693224	4106271	0.008636	9901	DieselExhP	1.18E-06	0.75YrCanc	*	1.18E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	
65	PROPERTY		693223.9	4106256	0.008402	9901	DieselExhP	1.15E-06	0.75YrCanc	*	1.15E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION	

66	PROPERTY	693223.9	4106241	0.008176	9901	DieselExhP	1.12E-06	0.75YrCanc	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
67	PROPERTY	693223.8	4106226	0.007951	9901	DieselExhP	1.09E-06	0.75YrCanc	*	1.09E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
68	PROPERTY	693223.8	4106211	0.007733	9901	DieselExhP	1.06E-06	0.75YrCanc	*	1.06E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
69	PROPERTY	693223.7	4106196	0.007517	9901	DieselExhP	1.03E-06	0.75YrCanc	*	1.03E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
70	PROPERTY	693223.6	4106181	0.007311	9901	DieselExhP	1.00E-06	0.75YrCanc	*	1.00E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
71	PROPERTY	693223.6	4106166	0.007115	9901	DieselExhP	9.73E-07	0.75YrCanc	*	9.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
72	PROPERTY	693223.5	4106151	0.006923	9901	DieselExhP	9.47E-07	0.75YrCanc	*	9.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
73	PROPERTY	693223.5	4106136	0.006741	9901	DieselExhP	9.22E-07	0.75YrCanc	*	9.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
74	PROPERTY	693223.4	4106121	0.006562	9901	DieselExhP	8.98E-07	0.75YrCanc	*	8.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
75	PROPERTY	693223.4	4106106	0.006393	9901	DieselExhP	8.75E-07	0.75YrCanc	*	8.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
76	PROPERTY	693223.3	4106091	0.006229	9901	DieselExhP	8.52E-07	0.75YrCanc	*	8.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
77	PROPERTY	693223.3	4106076	0.006073	9901	DieselExhP	8.31E-07	0.75YrCanc	*	8.31E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
78	PROPERTY	693223.2	4106061	0.005921	9901	DieselExhP	8.10E-07	0.75YrCanc	*	8.10E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
79	PROPERTY	693223.1	4106046	0.005775	9901	DieselExhP	7.90E-07	0.75YrCanc	*	7.90E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
80	PROPERTY	693223.1	4106031	0.005636	9901	DieselExhP	7.71E-07	0.75YrCanc	*	7.71E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
81	PROPERTY	693223	4106016	0.0055	9901	DieselExhP	7.52E-07	0.75YrCanc	*	7.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
82	PROPERTY	693222.9	4106001	0.005368	9901	DieselExhP	7.34E-07	0.75YrCanc	*	7.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
83	PROPERTY	693222.9	4105986	0.005241	9901	DieselExhP	7.17E-07	0.75YrCanc	*	7.17E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
84	PROPERTY	693222.9	4105971	0.005116	9901	DieselExhP	7.00E-07	0.75YrCanc	*	7.00E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
85	PROPERTY	693222.8	4105956	0.004991	9901	DieselExhP	6.83E-07	0.75YrCanc	*	6.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
86	PROPERTY	693222.8	4105941	0.004869	9901	DieselExhP	6.66E-07	0.75YrCanc	*	6.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
87	PROPERTY	693222.7	4105926	0.004745	9901	DieselExhP	6.49E-07	0.75YrCanc	*	6.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
88	PROPERTY	693222.6	4105911	0.004622	9901	DieselExhP	6.32E-07	0.75YrCanc	*	6.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
89	PROPERTY	693222.6	4105896	0.0045	9901	DieselExhP	6.15E-07	0.75YrCanc	*	6.15E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
90	PROPERTY	693222.5	4105881	0.004376	9901	DieselExhP	5.99E-07	0.75YrCanc	*	5.99E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
91	PROPERTY	693222.4	4105866	0.004254	9901	DieselExhP	5.82E-07	0.75YrCanc	*	5.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
92	PROPERTY	693222.4	4105851	0.004134	9901	DieselExhP	5.66E-07	0.75YrCanc	*	5.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
93	PROPERTY	693222.3	4105836	0.004016	9901	DieselExhP	5.49E-07	0.75YrCanc	*	5.49E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
94	PROPERTY	693222.3	4105821	0.003902	9901	DieselExhP	5.34E-07	0.75YrCanc	*	5.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
95	PROPERTY	693222.3	4105806	0.003793	9901	DieselExhP	5.19E-07	0.75YrCanc	*	5.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
96	PROPERTY	693222.2	4105791	0.003687	9901	DieselExhP	5.04E-07	0.75YrCanc	*	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
97	PROPERTY	693222.1	4105776	0.003587	9901	DieselExhP	4.91E-07	0.75YrCanc	*	4.91E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
98	PROPERTY	693222.1	4105761	0.003492	9901	DieselExhP	4.78E-07	0.75YrCanc	*	4.78E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
99	PROPERTY	693222	4105746	0.003402	9901	DieselExhP	4.65E-07	0.75YrCanc	*	4.65E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
100	PROPERTY	693221.9	4105731	0.003318	9901	DieselExhP	4.54E-07	0.75YrCanc	*	4.54E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
101	PROPERTY	693221.9	4105716	0.003239	9901	DieselExhP	4.43E-07	0.75YrCanc	*	4.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
102	PROPERTY	693221.8	4105701	0.003162	9901	DieselExhP	4.33E-07	0.75YrCanc	*	4.33E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
103	PROPERTY	693221.8	4105686	0.003091	9901	DieselExhP	4.23E-07	0.75YrCanc	*	4.23E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
104	PROPERTY	693221.8	4105671	0.003024	9901	DieselExhP	4.14E-07	0.75YrCanc	*	4.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
105	PROPERTY	693221.7	4105656	0.002959	9901	DieselExhP	4.05E-07	0.75YrCanc	*	4.05E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
106	PROPERTY	693221.6	4105641	0.002897	9901	DieselExhP	3.96E-07	0.75YrCanc	*	3.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
107	PROPERTY	693221.6	4105626	0.002837	9901	DieselExhP	3.88E-07	0.75YrCanc	*	3.88E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
108	PROPERTY	693221.5	4105611	0.00278	9901	DieselExhP	3.80E-07	0.75YrCanc	*	3.80E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
109	PROPERTY	693221.4	4105596	0.002725	9901	DieselExhP	3.73E-07	0.75YrCanc	*	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
110	PROPERTY	693221.4	4105581	0.002673	9901	DieselExhP	3.66E-07	0.75YrCanc	*	3.66E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
111	PROPERTY	693221.3	4105566	0.002622	9901	DieselExhP	3.59E-07	0.75YrCanc	*	3.59E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
112	PROPERTY	693221.3	4105551	0.002574	9901	DieselExhP	3.52E-07	0.75YrCanc	*	3.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
113	PROPERTY	693221.2	4105536	0.002528	9901	DieselExhP	3.46E-07	0.75YrCanc	*	3.46E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
114	PROPERTY	693221.1	4105521	0.002483	9901	DieselExhP	3.40E-07	0.75YrCanc	*	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
115	PROPERTY	693221.1	4105506	0.00244	9901	DieselExhP	3.34E-07	0.75YrCanc	*	3.34E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
116	PROPERTY	693221.1	4105491	0.0024	9901	DieselExhP	3.28E-07	0.75YrCanc	*	3.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
117	PROPERTY	693221	4105481	0.002373	9901	DieselExhP	3.25E-07	0.75YrCanc	*	3.25E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
118	PROPERTY	693236	4105481	0.002426	9901	DieselExhP	3.32E-07	0.75YrCanc	*	3.32E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
119	PROPERTY	693251	4105482	0.002483	9901	DieselExhP	3.40E-07	0.75YrCanc	*	3.40E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
120	PROPERTY	693266	4105482	0.00254	9901	DieselExhP	3.47E-07	0.75YrCanc	*	3.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
121	PROPERTY	693281	4105483	0.002602	9901	DieselExhP	3.56E-07	0.75YrCanc	*	3.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
122	PROPERTY	693296	4105483	0.002663	9901	DieselExhP	3.64E-07	0.75YrCanc	*	3.64E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
123	PROPERTY	693311	4105483	0.002726	9901	DieselExhP	3.73E-07	0.75YrCanc	*	3.73E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
124	PROPERTY	693326	4105484	0.002795	9901	DieselExhP	3.82E-07	0.75YrCanc	*	3.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
125	PROPERTY	693341	4105484	0.002864	9901	DieselExhP	3.92E-07	0.75YrCanc	*	3.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
126	PROPERTY	693355.9	4105484	0.002936	9901	DieselExhP	4.02E-07	0.75YrCanc	*	4.02E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
127	PROPERTY	693370.9	4105485	0.003018	9901	DieselExhP	4.13E-07	0.75YrCanc	*	4.13E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
128	PROPERTY	693385.9	4105485	0.003099	9901	DieselExhP	4.24E-07	0.75YrCanc	*	4.24E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
129	PROPERTY	693400.9	4105485	0.003183	9901	DieselExhP	4.35E-07	0.75YrCanc	*	4.35E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
130	PROPERTY	693415.9	4105486	0.003275	9901	DieselExhP	4.48E-07	0.75YrCanc	*	4.48E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
131	PROPERTY	693430.9	4105486	0.003369	9901	DieselExhP	4.61E-07	0.75YrCanc	*	4.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
132	PROPERTY	693445.9	4105487	0.003473	9901	DieselExhP	4.75E-07	0.75YrCanc	*	4.75E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION

133	PROPERTY	693460.9	4105487	0.003577	9901	DieselExhP	4.89E-07	0.75YrCanc	*	4.89E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
134	PROPERTY	693475.9	4105487	0.003688	9901	DieselExhP	5.04E-07	0.75YrCanc	*	5.04E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
135	PROPERTY	693490.9	4105488	0.003812	9901	DieselExhP	5.21E-07	0.75YrCanc	*	5.21E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
136	PROPERTY	693505.9	4105488	0.003937	9901	DieselExhP	5.39E-07	0.75YrCanc	*	5.39E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
137	PROPERTY	693520.9	4105488	0.00407	9901	DieselExhP	5.57E-07	0.75YrCanc	*	5.57E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
138	PROPERTY	693535.9	4105489	0.004219	9901	DieselExhP	5.77E-07	0.75YrCanc	*	5.77E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
139	PROPERTY	693550.9	4105489	0.004369	9901	DieselExhP	5.98E-07	0.75YrCanc	*	5.98E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
140	PROPERTY	693565.9	4105489	0.004527	9901	DieselExhP	6.19E-07	0.75YrCanc	*	6.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
141	PROPERTY	693580.9	4105490	0.004704	9901	DieselExhP	6.43E-07	0.75YrCanc	*	6.43E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
142	PROPERTY	693595.9	4105490	0.004882	9901	DieselExhP	6.68E-07	0.75YrCanc	*	6.68E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
143	PROPERTY	693610.9	4105490	0.00507	9901	DieselExhP	6.93E-07	0.75YrCanc	*	6.93E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
144	PROPERTY	693625.9	4105491	0.005279	9901	DieselExhP	7.22E-07	0.75YrCanc	*	7.22E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
145	PROPERTY	693640.9	4105491	0.005487	9901	DieselExhP	7.51E-07	0.75YrCanc	*	7.51E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
146	PROPERTY	693655.9	4105492	0.005719	9901	DieselExhP	7.82E-07	0.75YrCanc	*	7.82E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
147	PROPERTY	693670.9	4105492	0.005952	9901	DieselExhP	8.14E-07	0.75YrCanc	*	8.14E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
148	PROPERTY	693685.9	4105492	0.006192	9901	DieselExhP	8.47E-07	0.75YrCanc	*	8.47E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
149	PROPERTY	693700.9	4105493	0.006457	9901	DieselExhP	8.83E-07	0.75YrCanc	*	8.83E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
150	PROPERTY	693715.9	4105493	0.006717	9901	DieselExhP	9.19E-07	0.75YrCanc	*	9.19E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
151	PROPERTY	693730.9	4105493	0.006986	9901	DieselExhP	9.56E-07	0.75YrCanc	*	9.56E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
152	PROPERTY	693745.9	4105494	0.007282	9901	DieselExhP	9.96E-07	0.75YrCanc	*	9.96E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
153	PROPERTY	693760.9	4105494	0.007568	9901	DieselExhP	1.04E-06	0.75YrCanc	*	1.04E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
154	PROPERTY	693775.8	4105494	0.007857	9901	DieselExhP	1.07E-06	0.75YrCanc	*	1.07E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
155	PROPERTY	693790.8	4105495	0.008175	9901	DieselExhP	1.12E-06	0.75YrCanc	*	1.12E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
156	PROPERTY	693805.8	4105495	0.008473	9901	DieselExhP	1.16E-06	0.75YrCanc	*	1.16E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
157	PROPERTY	693820.8	4105495	0.008769	9901	DieselExhP	1.20E-06	0.75YrCanc	*	1.20E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
158	PROPERTY	693835.8	4105496	0.009087	9901	DieselExhP	1.24E-06	0.75YrCanc	*	1.24E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
159	PROPERTY	693850.8	4105496	0.009372	9901	DieselExhP	1.28E-06	0.75YrCanc	*	1.28E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
160	PROPERTY	693865.8	4105497	0.009673	9901	DieselExhP	1.32E-06	0.75YrCanc	*	1.32E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
161	PROPERTY	693880.8	4105497	0.009931	9901	DieselExhP	1.36E-06	0.75YrCanc	*	1.36E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
162	PROPERTY	693895.8	4105497	0.01017	9901	DieselExhP	1.39E-06	0.75YrCanc	*	1.39E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
163	PROPERTY	693910.8	4105498	0.010419	9901	DieselExhP	1.43E-06	0.75YrCanc	*	1.43E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
164	PROPERTY	693925.8	4105498	0.010613	9901	DieselExhP	1.45E-06	0.75YrCanc	*	1.45E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
165	PROPERTY	693940.8	4105498	0.010782	9901	DieselExhP	1.47E-06	0.75YrCanc	*	1.47E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
166	PROPERTY	693955.8	4105499	0.010953	9901	DieselExhP	1.50E-06	0.75YrCanc	*	1.50E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
167	PROPERTY	693970.8	4105499	0.011065	9901	DieselExhP	1.51E-06	0.75YrCanc	*	1.51E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
168	PROPERTY	693985.8	4105499	0.011147	9901	DieselExhP	1.52E-06	0.75YrCanc	*	1.52E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
169	PROPERTY	694000.8	4105500	0.011229	9901	DieselExhP	1.54E-06	0.75YrCanc	*	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
170	PROPERTY	694015.8	4105500	0.01125	9901	DieselExhP	1.54E-06	0.75YrCanc	*	1.54E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION

*HARP - HRACalc v21081 11/10/2023 1:35:04 PM - Chronic Risk - Input File: G:\Los Banos_City of-3501\350123007-Recharge Basin and Stormwater Capture\200 Technical\215 Env Planning\Appendices\App A - Air Quality\HRA\BASIN\hra\BASIN_HRAInput.hra

REC	GRP	NETID	X	Y	CONC	POLID	POLABBRE	SCENARIO	CV	CNS	IMMUN	KIDNEY	GILV	REPRO/DE	RESP	SKIN	EYE	BONE/TEE	ENDO	BLOOD	ODOR	GENERAL	DETAILS	INH_CONC	SOIL_DOSE	DERMAL_D	MMILK_DC	WATER_DC	FISH_DOSE	CROP_DOS	BEEF_DOS	DAIRY_DO	PIG_DOSE	CHICKEN_D	EGG_DOSE	1ST_DRIVE	2ND_DRIVI	3RD_DRIVER
1	PROPERTY		693420	4107051	0.001087	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
2	PROPERTY		693417.9	4107036	0.001169	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.34E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
3	PROPERTY		693415.8	4107021	0.001263	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.53E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.26E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
4	PROPERTY		693413.6	4107007	0.001365	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
5	PROPERTY		693411.4	4106992	0.001491	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
6	PROPERTY		693409.3	4106977	0.001637	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
7	PROPERTY		693407.2	4106962	0.001812	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
8	PROPERTY		693405.1	4106947	0.002026	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
9	PROPERTY		693402.9	4106932	0.002295	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
10	PROPERTY		693400.8	4106918	0.002618	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
11	PROPERTY		693398.6	4106903	0.003086	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
12	PROPERTY		693396.5	4106888	0.003768	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.54E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
13	PROPERTY		693394.4	4106873	0.004876	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
14	PROPERTY		693392.3	4106858	0.006811	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.36E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
15	PROPERTY		693390.1	4106843	0.009908	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.98E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.91E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
16	PROPERTY		693387.9	4106828	0.013657	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
17	PROPERTY		693385.8	4106814	0.01707	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
18	PROPERTY		693383.7	4106799	0.020368	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
19	PROPERTY		693381.6	4106784	0.02323	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.32E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
20	PROPERTY		693381	4106780	0.023906	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
21	PROPERTY		693379.3	4106765	0.026466	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.65E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
22	PROPERTY		693377.6	4106750	0.028732	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.87E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
23	PROPERTY		693376	4106735	0.030775	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
24	PROPERTY		693374.3	4106721	0.032247	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.45E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.22E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
25	PROPERTY		693372.6	4106706	0.033454	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.35E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
26	PROPERTY		693371	4106691	0.034272	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.43E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
27	PROPERTY		693371.2	4106676	0.035919	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.59E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
28	PROPERTY		693371.4	4106661	0.037346	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
29	PROPERTY		693371.6	4106646	0.038598	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.86E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
30	PROPERTY		693371.8	4106631	0.039708	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.97E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
31	PROPERTY		693372.1	4106616	0.040762	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
32	PROPERTY		693372.3	4106601	0.041621	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
33	PROPERTY		693372.5	4106586	0.042341	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.23E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
34	PROPERTY		693372.7	4106571	0.04286	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.29E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
35	PROPERTY		693372.9	4106556	0.04306	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
36	PROPERTY		693373	4106549	0.042994	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
37	PROPERTY		693358	4106548	0.033922	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.39E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
38	PROPERTY		693343.1	4106548	0.028244	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.65E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.82E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
39	PROPERTY		693328.1	4106547	0.024227	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.42E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
40	PROPERTY		693313.1	4106546	0.021224	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
41	PROPERTY		693298.1	4106545	0.018878	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.89E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
42	PROPERTY		693283.1	4106544	0.016987	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.70E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
43	PROPERTY		693268.1	4106543	0.015423	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.54E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
44	PROPERTY		693253.2	4106543	0.014116	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.41E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
45	PROPERTY		693238.2	4106542	0.012989	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.30E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
46	PROPERTY		693225	4106541	0.012123	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
47	PROPERTY		693224.9	4106526	0.012065	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.41E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.21E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
48	PROPERTY		693224.9	4106511	0.011983	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.20E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
49	PROPERTY		693224.8	4106496	0.011867	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
50	PROPERTY		693224.8	4106481	0.011732	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.17E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
51	PROPERTY		693224.8	4106466	0.011574	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.16E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
52	PROPERTY		693224.7	4106451	0.011392	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.14E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
53	PROPERTY		693224.6	4106436	0.011194	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
54	PROPERTY		693224.6	4106421	0.010989	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.20E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.10E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
55	PROPERTY		693224.5	4106406	0.010769	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.08E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
56	PROPERTY		693224.4	4106391	0.010542	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.05E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
57	PROPERTY		693224.4	4106376	0.010314	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.03E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
58	PROPERTY		693224.3	4106361	0.010076	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.01E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
59	PROPERTY		693224.3	4106346	0.00984	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.97E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
60	PROPERTY		693224.2	4106331	0.009596	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
61	PROPERTY		693224.1	4106316	0.009352	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
62	PROPERTY		693224.1	4106301	0.009113	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.11E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
63	PROPERTY		693224.1	4106286	0.008875	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
64	PROPERTY		693224	4106271	0.008636	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
65	PROPERTY		693223.9	4106256	0.008402	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.68E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
66	PROPERTY		693223.9	4106241	0.008176	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
67	PROPERTY		693223.8	4106226	0.007951	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
68	PROPERTY		693223.8	4106211	0.007733	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
69	PROPERTY		693223.7	4106196	0.007517	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.52E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
70	PROPERTY		693223.6	4106181	0.007311	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
71	PROPERTY		693223.6	4106166	0.007115	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.42E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
72	PROPERTY		693223.5	4106151	0.006923	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
73	PROPERTY		693223.5	4106136	0.006741	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.74E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
74	PROPERTY		693223.4	4106121	0.006562	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.31E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.56E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
75	PROPERTY		693223.4	4106106	0.006393	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.39E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
76	PROPERTY		693223.3	4106091	0.006229	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
77	PROPERTY		693223.3	4106076	0.006073	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
78	PROPERTY		693223.2	4106061	0.005921	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.92E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
79	PROPERTY		693223.1	4106046	0.005775	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
80	PROPERTY		693223.1	4106031	0.005636	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
81	PROPERTY		693223	4106016	0.0055	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
82	PROPERTY		693222.9	4106001	0.005368	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
83	PROPERTY		693222.9	4105986	0.005241	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
84	PROPERTY		693222.9	4105971	0.005116	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
85	PROPERTY		693222.8	4105956	0.004991	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
86	PROPERTY		693222.8	4105941	0.004869	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.87E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
87	PROPERTY		693222.7	4105926	0.004745	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.49E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
88	PROPERTY		693222.6	4105911	0.004622	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
89	PROPERTY		693222.6	4105896	0.0045	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.00E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.50E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
90	PROPERTY		693222.5	4105881	0.004376	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.38E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
91	PROPERTY		693222.4	4105866	0.004254	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.51E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
92	PROPERTY		693222.4	4105851	0.004134	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.27E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
93	PROPERTY		693222.3	4105836	0.004016	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
94	PROPERTY		693222.3	4105821	0.003902	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.81E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
95	PROPERTY		693222.3	4105806	0.003793	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.79E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
96	PROPERTY		693222.2	4105791	0.003687	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
97	PROPERTY		693222.1	4105776	0.003587	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.17E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.59E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
98	PROPERTY		693222.1	4105761	0.003492	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.98E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
99	PROPERTY		693222	4105746	0.003402	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
100	PROPERTY		693221.9	4105731	0.003318	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.64E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.32E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
101	PROPERTY		693221.9	4105716	0.003239	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.48E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		
102	PROPERTY		693221.8	4105701	0.003162	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.32E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.16E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION		

103	PROPERTY	693221.8	4105686	0.003091	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.18E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
104	PROPERTY	693221.8	4105671	0.003024	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
105	PROPERTY	693221.7	4105656	0.002959	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.92E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.96E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
106	PROPERTY	693221.6	4105641	0.002897	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.90E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
107	PROPERTY	693221.6	4105626	0.002837	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.67E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.84E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
108	PROPERTY	693221.5	4105611	0.00278	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.56E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.78E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
109	PROPERTY	693221.4	4105596	0.002725	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
110	PROPERTY	693221.4	4105581	0.002673	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.35E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
111	PROPERTY	693221.3	4105566	0.002622	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.24E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.62E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
112	PROPERTY	693221.3	4105551	0.002574	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
113	PROPERTY	693221.2	4105536	0.002528	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.06E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
114	PROPERTY	693221.1	4105521	0.002483	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
115	PROPERTY	693221.1	4105506	0.00244	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.88E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.44E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
116	PROPERTY	693221.1	4105491	0.0024	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.80E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
117	PROPERTY	693221	4105481	0.002373	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.75E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
118	PROPERTY	693236	4105481	0.002426	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.85E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.43E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
119	PROPERTY	693251	4105482	0.002483	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.97E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.48E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
120	PROPERTY	693266	4105482	0.00254	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.08E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.54E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
121	PROPERTY	693281	4105483	0.002602	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.60E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
122	PROPERTY	693296	4105483	0.002663	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.66E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
123	PROPERTY	693311	4105483	0.002726	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.45E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.73E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
124	PROPERTY	693326	4105484	0.002795	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.59E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.80E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
125	PROPERTY	693341	4105484	0.002864	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.73E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
126	PROPERTY	693355.9	4105484	0.002936	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	2.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
127	PROPERTY	693370.9	4105485	0.003018	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.04E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.02E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
128	PROPERTY	693385.9	4105485	0.003099	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.20E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
129	PROPERTY	693400.9	4105485	0.003183	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.37E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
130	PROPERTY	693415.9	4105486	0.003275	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.55E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
131	PROPERTY	693430.9	4105486	0.003369	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
132	PROPERTY	693445.9	4105487	0.003473	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.95E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
133	PROPERTY	693460.9	4105487	0.003577	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.15E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.58E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
134	PROPERTY	693475.9	4105487	0.003688	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.38E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
135	PROPERTY	693490.9	4105488	0.003812	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.62E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.81E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
136	PROPERTY	693505.9	4105488	0.003937	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.87E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	3.94E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
137	PROPERTY	693520.9	4105488	0.00407	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.14E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
138	PROPERTY	693535.9	4105489	0.004219	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.44E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.22E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
139	PROPERTY	693550.9	4105489	0.004369	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.74E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
140	PROPERTY	693565.9	4105489	0.004527	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.05E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.53E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
141	PROPERTY	693580.9	4105490	0.004704	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.41E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.70E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
142	PROPERTY	693595.9	4105490	0.004882	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	4.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
143	PROPERTY	693610.9	4105490	0.00507	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.01E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.07E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
144	PROPERTY	693625.9	4105491	0.005279	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
145	PROPERTY	693640.9	4105491	0.005487	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.49E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
146	PROPERTY	693655.9	4105492	0.005719	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
147	PROPERTY	693670.9	4105492	0.005952	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	5.95E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
148	PROPERTY	693685.9	4105492	0.006192	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.24E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.19E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
149	PROPERTY	693700.9	4105493	0.006457	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.29E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
150	PROPERTY	693715.9	4105493	0.006717	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.34E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.72E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
151	PROPERTY	693730.9	4105493	0.006986	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.40E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	6.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
152	PROPERTY	693745.9	4105494	0.007282	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
153	PROPERTY	693760.9	4105494	0.007568	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.51E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
154	PROPERTY	693775.8	4105494	0.007857	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.57E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	7.86E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
155	PROPERTY	693790.8	4105495	0.008175	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.64E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.18E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
156	PROPERTY	693805.8	4105495	0.008473	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.69E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.47E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
157	PROPERTY	693820.8	4105495	0.008769	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.75E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	8.77E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
158	PROPERTY	693835.8	4105496	0.009087	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.09E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
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160	PROPERTY	693865.8	4105497	0.009673	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.67E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
161	PROPERTY	693880.8	4105497	0.009931	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.99E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	9.93E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
162	PROPERTY	693895.8	4105497	0.01017	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.03E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.02E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
163	PROPERTY	693910.8	4105498	0.010419	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.08E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.04E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
164	PROPERTY	693925.8	4105498	0.010613	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.12E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.06E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
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167	PROPERTY	693970.8	4105499	0.011065	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.21E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
168	PROPERTY	693985.8	4105499	0.011147	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.23E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.11E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
169	PROPERTY	694000.8	4105500	0.011229	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.12E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION
170	PROPERTY	694015.8	4105500	0.01125	9901	DieselExhP	NonCancer	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.25E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	*	1.13E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	INHALATION

Appendix B: Biological Evaluation

LIVE OAK
ASSOCIATES, INC.

LOS BANOS BASINS AND STORMWATER CAPTURE PROJECT
BIOLOGICAL EVALUATION
MERCED COUNTY, CALIFORNIA

Prepared by

LIVE OAK ASSOCIATES, INC.
Austin Pearson, Vice President
Jeff Gurule, Senior Project Manager
Natalie Neff, Staff Ecologist

Prepared for

Amy Wilson
Provost & Pritchard Consulting Group
130 North Garden Street
Visalia, CA 93291

July 1, 2024 PN 2806-01

EXECUTIVE SUMMARY

Live Oak Associates, Inc. (LOA) conducted an investigation of the biological resources of an approximately 180-acre area proposed for stormwater storage and regulation improvements ("area of potential effect (APE)", "Action Area", or "project site") by the Grassland Groundwater Sustainability Agency (GGSA) and City of Los Banos Groundwater Sustainability Agency (GSA), and assessed potential project impacts to those resources pursuant to the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and Section 7 of the federal Endangered Species Act. The project site is located east of State Route 165 and north of State Route 33 in the vicinity of Los Banos in western Merced County.

The proposed project includes: 1) three water detention basins; 2) turnout infrastructure at the Santa Fe Canal and San Luis Canal; 3) inter-basin connection structures; and 4) return flow infrastructure at the San Luis Canal.

Biotic habitats / land uses identified on the site include agricultural and canal. Lands within the APE are highly disturbed and situated within an agricultural and urban landscape, offering limited habitat for native flora and fauna. However, the project may result in significant impacts to common nesting birds, the Swainson's hawk, and burrowing owl. Impacts to common nesting birds and the Swainson's hawk will be reduced either by constructing the project outside the nesting season, or through preconstruction surveys and avoidance of active nests if construction must occur during the nesting season. Impacts to burrowing owls will be reduced through preconstruction surveys and avoidance of active burrows. If avoidance of active burrows is not feasible, owls may be passively relocated during the non-breeding season.

Impacts would be less than significant for all 21 locally occurring special status plant species, for 28 locally occurring special status animal species that would not be expected to occur on the project site, and for 4 special status animal species (northern harrier, mountain plover, loggerhead shrike, and tricolored blackbird) that could forage over the project site but would roost, nest, or reproduce elsewhere. The project will not result in a significant loss of habitat for special status animal species. The project would also have a less than significant impact on wildlife movement corridors, sensitive habitats, and jurisdictional waters. The project appears to be in compliance with local policies and no habitat conservation plans are in effect for the project area.

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1.0 INTRODUCTION

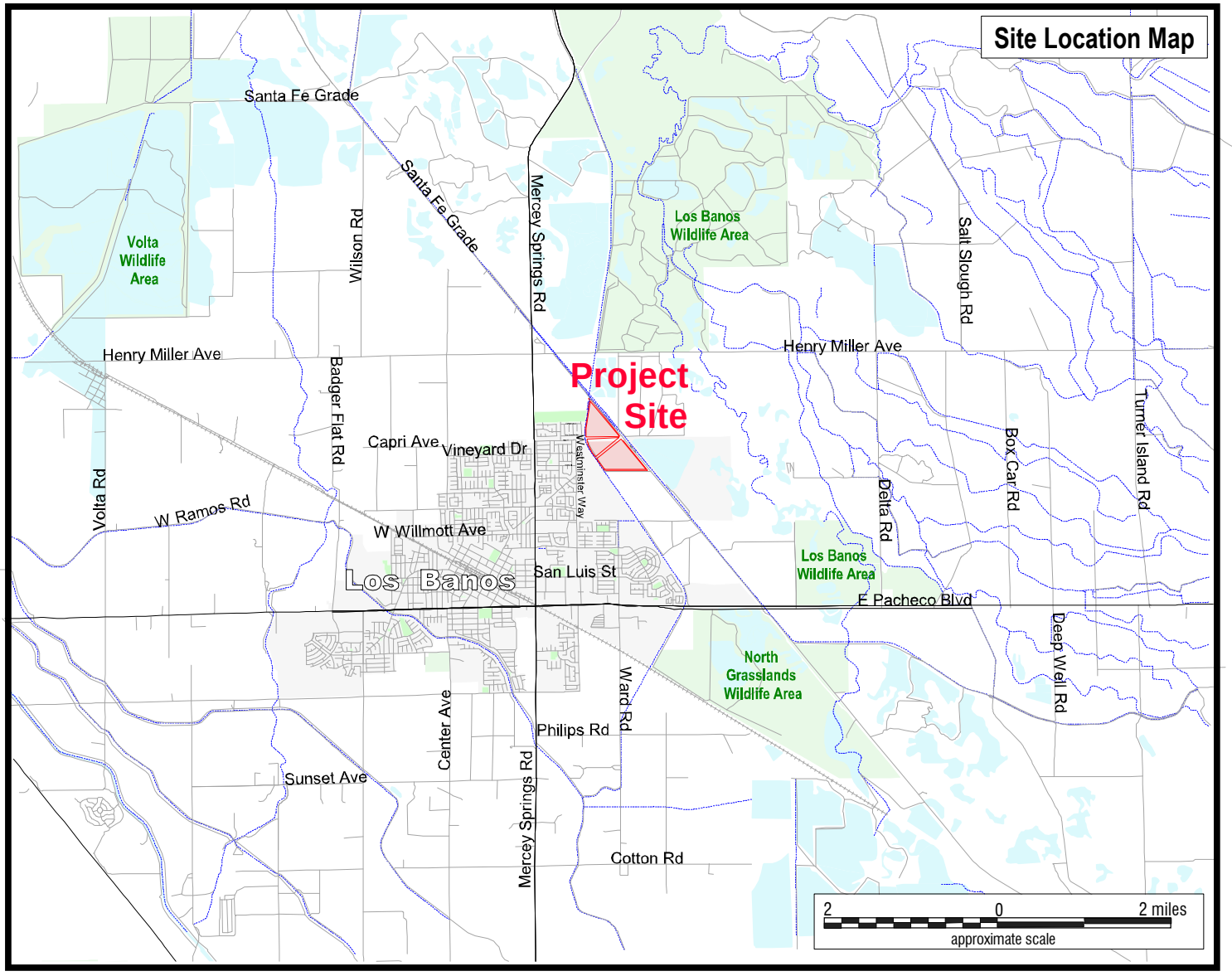
The following technical report, prepared by Live Oak Associates, Inc. (LOA), in support of the California Environmental Quality Act (CEQA), National Environmental Policy Act (NEPA), and Section 7 of the federal Endangered Species Act, describes the biotic resources of approximately 180 acres of land that may be impacted by proposed project activities ("area of potential effect (APE)" or "Action Area"), and evaluates potential impacts to those resources that could result from the project.

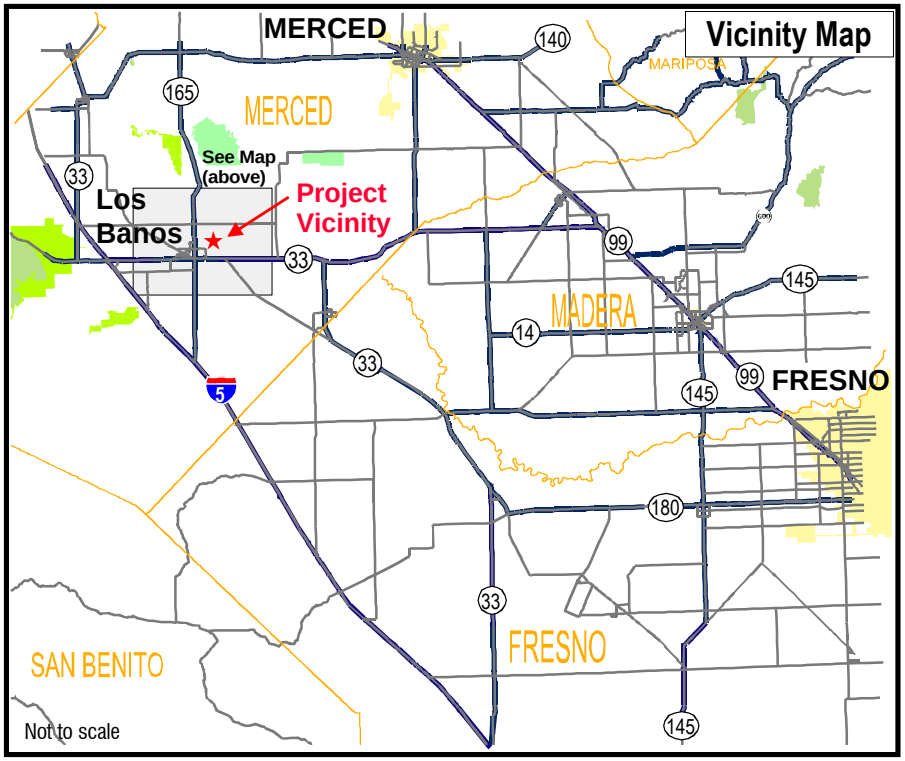
The project APE (also referred to as "project site" or "site") is located immediately east of the City of Los Banos in western Merced County (Figure 1). The project site is located on the *Los Banos* U.S. Geological Survey (USGS) 7.5-minute quadrangle in Sections 1 and 12 in Township 10 South, Range 10 East; and Section 6 and 7 in Township 10 South, Range 11 East, Mount Diablo Base and Meridian (Figure 2).

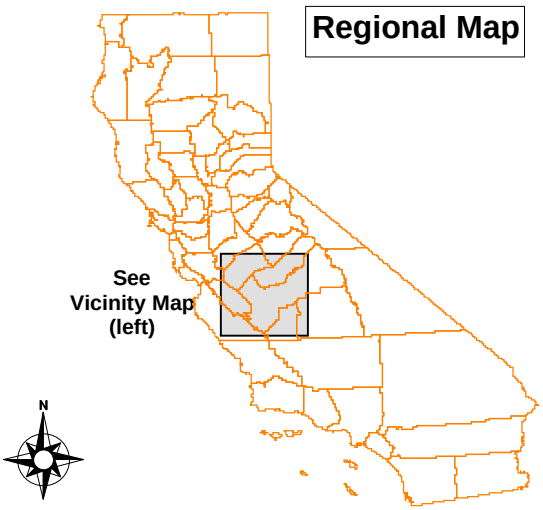
1.1 PROJECT DESCRIPTION

The project is an effort by the Grassland Groundwater Sustainability Agency (GGSA) and City of Los Banos Groundwater Sustainability Agency (GSA) to divert flows from the Santa Fe Canal and the San Luis Canal into three proposed detention basins with benefits towards stormwater capture, flood protection, groundwater recharge, wildlife refuge water supply flexibility, groundwater quality and quantity improvements for the City of Los Banos. The basins will allow Grasslands Water District to divert flows off either canal when there are capacity limitations in the canals or extra supplies, temporarily storing water on the site for later use while allowing for minor groundwater recharge. The City has multiple existing stormwater discharge outfalls to the San Luis Canal upstream, adjacent, and downstream of the project site. Diverting these flows to the project site can reduce the peak flows in the canal and possible downstream flooding, while at the same time providing capacity flexibility for Grassland Water District operations.

The proposed basins would be surrounded by low lying embankments that will have interconnections between the cells. Basin depths will be less than six feet. Two turnouts are





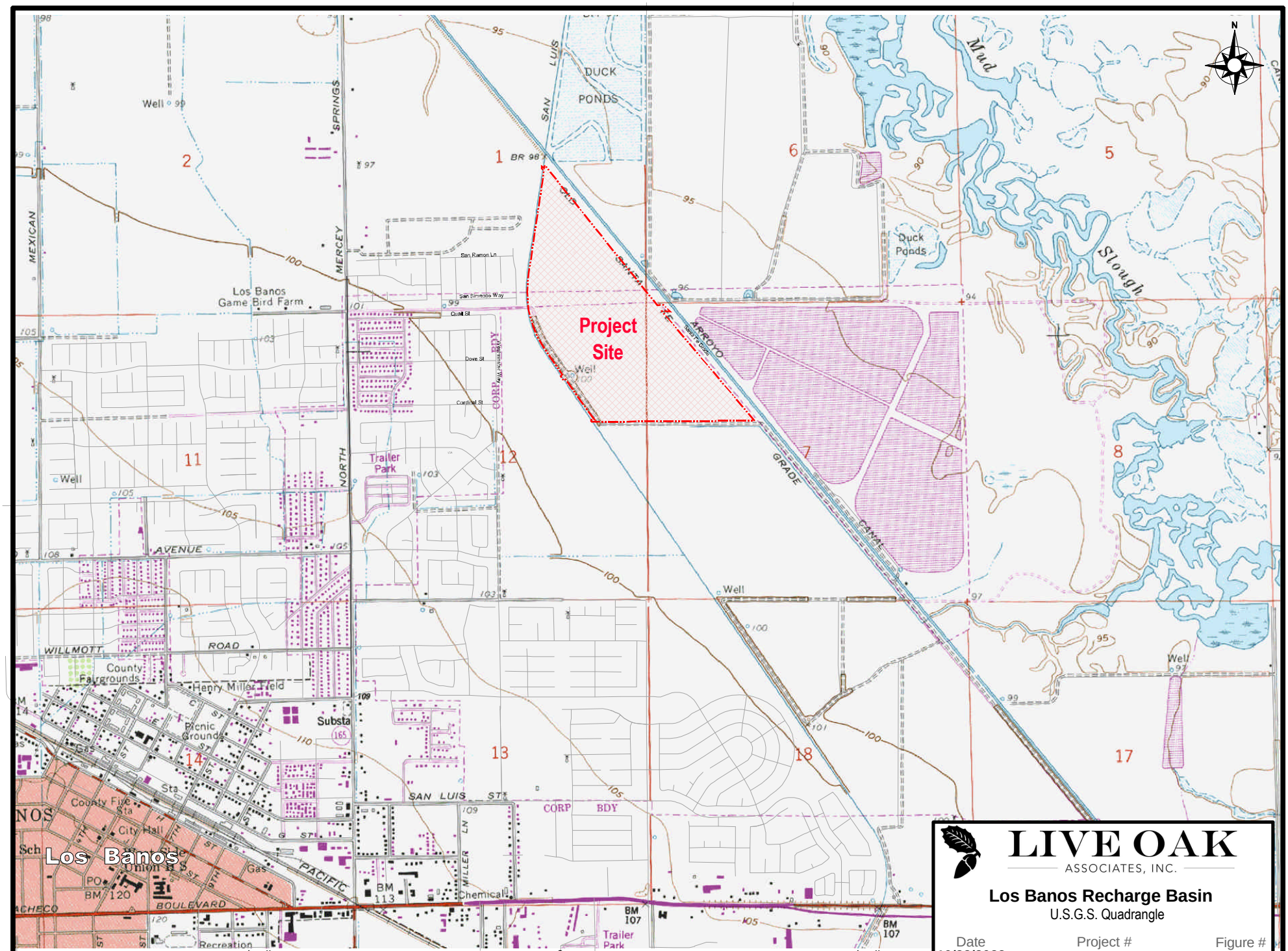


LIVE OAK ASSOCIATES, INC.

Los Banos Recharge Basin

Site / Vicinity Map

Date	Project #	Figure #
10/23/2023	2806-01	1



From USGS
Los Banos 7.5' Quadrangle 1987

1 mile 0 1/2 mile 1 mile
approximate scale

LIVE OAK
ASSOCIATES, INC.

Los Banos Recharge Basin
U.S.G.S. Quadrangle

Date	Project #	Figure #
10/23/2023	**2806-01**	**2**

proposed, one from the Santa Fe Canal and one from the San Luis Canal, as well as a connection at the norther cell to return water supplies to the San Luis Canal. Turnouts would require pumping plants to deliver water to the proposed basins. The turnout from the Santa Fe Canal will require trenching through, or directional drilling below, the San Luis Drain to accommodate the pipe from the Sante Fe Canal to the proposed basins. This activity will require an encroachment permit from the U.S. Bureau of Reclamation.

1.2 REPORT OBJECTIVES

This report summarizes a biological study conducted by LOA to facilitate environmental review pursuant to CEQA and NEPA. As such, the report's objectives are to:

- Characterize the project site's existing biological resources, including biotic habitats, flora and fauna, soils, and aquatic resources.
- Evaluate the project site's potential to support sensitive resources such as special status species, sensitive natural communities, and jurisdictional waters and wetlands.
- Summarize all state and federal natural resource protection laws that may be relevant to project implementation.
- Identify and discuss potential project-related impacts to biological resources within the context of CEQA, NEPA, and other state and federal laws.
- Identify avoidance and mitigation measures that would reduce the magnitude of project-related impacts in a manner consistent with CEQA, NEPA, and species-specific guidelines.

1.3 STUDY METHODOLOGY

A reconnaissance-level field survey of the project site was conducted on September 8 and September 22, 2023 by LOA biologist Natalie Neff. The survey consisted of a meandering walk through the proposed basin areas and inlet and outlet areas while identifying the principal land uses of the project site and the constituent plants and animals of each land use. The field survey conducted for this study was sufficient to assess the significance of possible biological impacts associated with the development plans for the project site.

LOA conducted an analysis of potential project impacts based on the known and potential biotic

resources of the project site discussed in Section 2.0. Sources of information used in the preparation of this analysis included: (1) results of the September 2023 reconnaissance-level surveys, (2) the *California Natural Diversity Data Base* (CDFW 2023), (3) the *Online Inventory of Rare and Endangered Vascular Plants of California* (CNPS 2023), and (4) manuals, reports, and references related to plants and animals of the San Joaquin Valley region.

LOA's field investigation did not include an aquatic resources delineation or focused surveys for special status species. The field survey was sufficient to generally describe those features of the project site that could be subject to the jurisdiction of the U.S. Army Corps of Engineers (USACE), California Department of Fish and Wildlife (CDFW), and/or the Regional Water Quality Control Board (RWQCB), and to assess the significance of possible biological impacts associated with development of the project site.

2.0 EXISTING CONDITIONS

2.1 REGIONAL SETTING

The project site is located at the western edge of the San Joaquin Valley. The San Joaquin Valley is bordered by the Sierra Nevada to the east, the Tehachapi Mountains to the south, the California coastal ranges to the west, and the Sacramento-San Joaquin Delta to the north.

Like most of California, the San Joaquin Valley experiences a Mediterranean climate. Warm dry summers are followed by cool moist winters. Summer temperatures commonly exceed 100 degrees Fahrenheit, and the relative humidity is generally very low. Winter temperatures range from 30 to 75 degrees Fahrenheit. Annual precipitation in the vicinity of the project is about 10 inches, almost 85% of which falls between the months of October and March. Nearly all precipitation falls in the form of rain.

The project site is situated within agricultural and developed lands, with residential development and field crops to the west, field crops (currently cotton) to the south, a wastewater treatment plant to the east, and fallow fields to the north. The principal drainages in the project vicinity are the Santa Fe Canal and San Luis Drain, which border the eastern side of the APE, and San Luis Canal, which borders the western side of the APE. The Santa Fe Canal is an agricultural irrigation canal that distributes water from a turnout on the San Joaquin River approximately 18.5 miles southeast of the project site. The San Luis Canal is also an agricultural irrigation canal that distributes San Joaquin River water via the Main Canal. The San Luis Drain is a concrete lined canal that historically collected agricultural drainage water and deposited it into evaporation ponds known as Kesterson Reservoir. Current uses of this canal are unclear.

2.2 PHYSICAL CONDITIONS OF PROJECT SITE

The topography of the project site is relatively flat with elevations ranging from approximately 95 feet National Geodetic Vertical Datum (NGVD) at the northern extent of the site and 103 feet NGVD at the southern extent.

The project APE contains four soil mapping units (NRCS 2023), but is almost entirely composed

of Woo clay loam, 0 to 2 percent slopes. These soils are summarized in Table 1 below.

TABLE 1: SOILS OF THE PROJECT SITE

Soil Mapping Unit	Parent Material	Drainage Class	Hydric Rating
141: Britto clay loam	Alluvium from sedimentary rock	Very poorly drained	Yes
253: Stanislaus clay loam	Alluvium from sedimentary rock	Well drained	No
254: Stanislaus clay loam, wet	Alluvium from sedimentary rock	Well drained	No
277: Woo clay loam, 0 to 2 percent slopes	Alluvium from sedimentary rock	Well drained	No

Of these four soil mapping units only Britto clay loam is considered hydric. Britto clay loam accounts for approximately 1.32 acres of the 180-acre APE in the northernmost portion. A hydric soil is defined as saturated, flooded, or ponded for long enough periods during the growing season to develop anaerobic conditions such that under sufficiently wet conditions they support hydrophytic (water-loving) vegetation, such conditions are typically found in depressions within hydric soils forming vernal pools and wetland swales. Britto clay loam is also considered highly alkaline with high amounts of sodium and/or calcium. Soils within the project APE and surrounding lands have been subjected to decades of soil-disturbing activities associated with agricultural use, road and canal construction, and urban and rural development, and therefore no longer maintain their native soil characteristics. As a result, soil characteristics of the site are of no significance to rare or endangered plant or animal species within the region.

2.3 BIOTIC HABITATS/LAND USES OF THE PROJECT SITE

Two habitat / land use types, agriculture and irrigation canal, were observed within the project APE during the September 2023 biological field surveys (Figures 3). These land uses and their constituent plant and animal species are described in more detail below. A list of the vascular plant species observed within the project site and a list of the terrestrial vertebrates using, or

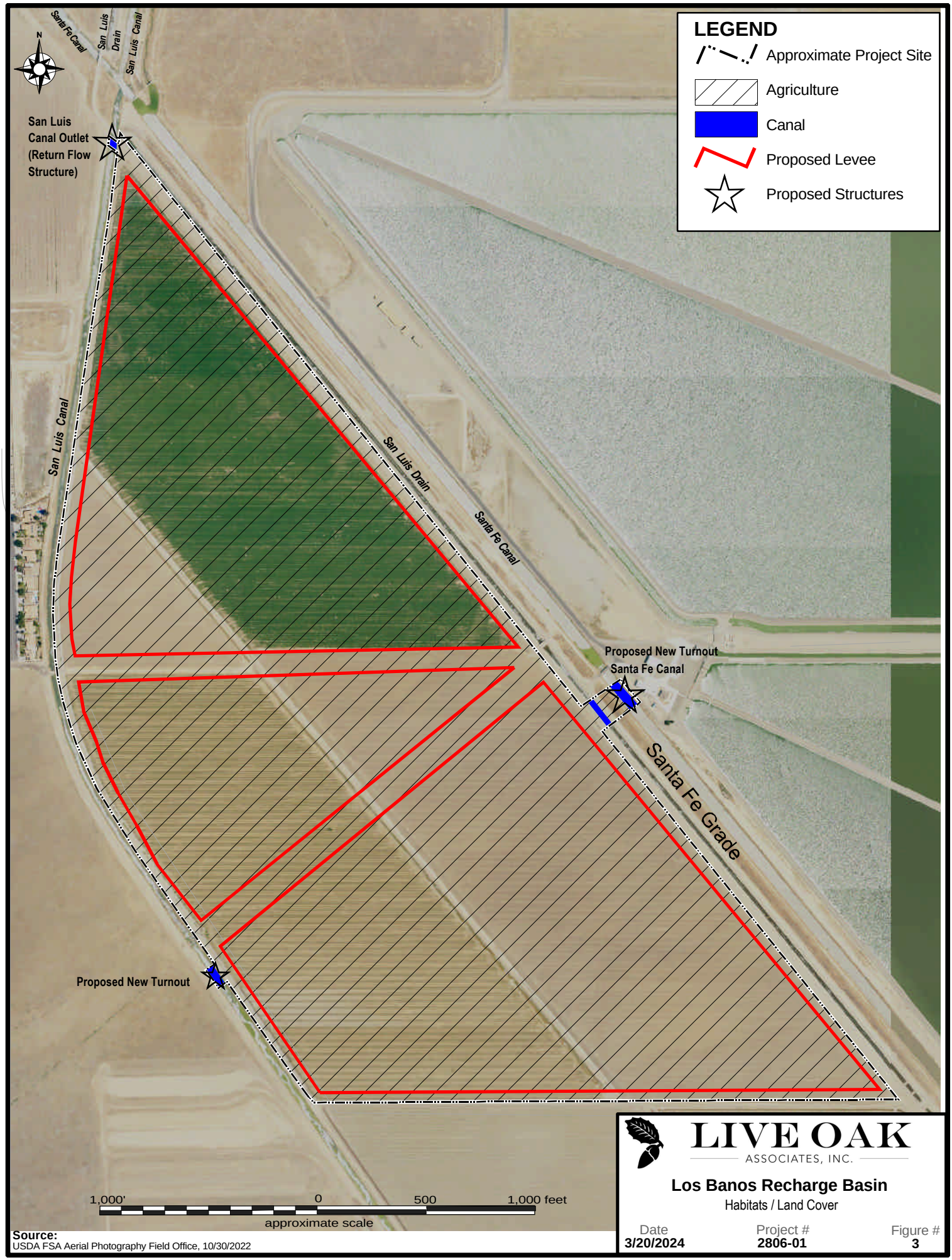
potentially using, the site are provided in Appendices A and B, respectively. Representative photos of the project site are presented in Appendix C.

2.3.1 Agricultural

A vast majority of the APE consisted of agricultural areas that, at the time of LOA's field survey, consisted of alfalfa, disced fields, ditches, and narrow concrete irrigation canals that bordered the fields. Vegetation within agricultural areas at the time of the field survey was dominated by alfalfa. Recently disced areas of the site were mostly barren of vegetation. Common agricultural weeds were observed primarily along field margins. Common weedy grasses observed included ripgut brome (*Bromus diandrus*), barnyard barley (*Hordeum murinum*) and Bermudagrass (*Cynodon dactylon*). Annual weedy forbs observed included red stemmed filaree (*Erodium cicutarium*), puncture vine (*Tribulus terrestris*), purselane (*Portulaca oleracea*), prickly lettuce (*Lactuca serriola*), Russian thistle (*Salsola tragus*), five-hook bassia (*Bassia hyssopifolia*), and red-root amaranth (*Amaranthus retroflexus*), among others.

Regular agricultural activities within the APE create unsuitable habitat for most native amphibian, reptile, bird, and mammal species. Nonetheless, a number of animal species are expected to use agricultural lands of the site. Sierran treefrogs (*Pseudacris sierra*) and western toads (*Bufo boreas*) may be found in portions of agricultural lands that are adjacent to irrigation canals that provide potentially suitable breeding habitat. Reptile species that may forage in this habitat include the side-blotched lizard (*Uta stansburiana*), gopher snake (*Pituophis melanoleucus*), and common kingsnake (*Lampropeltis getulus*).

Resident bird species expected to use this habitat would include Brewer's blackbirds (*Euphagus cyanocephalus*), brown-headed cowbirds (*Molothrus ater*), and Northern mocking birds *(Mimus polyglottus),* among others. Wintering birds that may utilize these lands include the savannah sparrow (*Passerella sandwichensis*), American pipit (*Anthus rubescens*), and Say's phoebe (*Sayornis saya*), among others. Summer migrants such as the barn swallow (*Hirundo rustica*) may forage over the site's agricultural lands.



Source:
USDA FSA Aerial Photography Field Office, 10/30/2022

LIVE OAK ASSOCIATES, INC.

Los Banos Recharge Basin

Habitats / Land Cover

Date	Project #	Figure #
3/20/2024	**2806-01**	**3**

The site's fields may also be used by foraging raptors such as red-tailed hawks (*Buteo jamaicensis*), Swainson's hawks (*Buteo swainsoni*), Northern Harriers (*Circus hudsonius*) (observed), burrowing owls (*Athene cunicularia*) (observed), and barn owls (*Tyto alba*).

Burrowing rodent activity on the site's agricultural lands is expected to be limited due to regular ground-disturbing practices associated with crop production, nevertheless, open burrows made by California ground squirrels (*Otospermophilus beecheyi*) and Botta's pocket gophers (*Thomomys bottae*) were found on the edges of fields.

Disturbance-tolerant mammalian predators such as raccoons (*Procyon lotor*), striped skunks (*Mephitis mephitis*), and coyotes (*Canis latrans*) may also occasionally forage on or pass through the site's agricultural lands.

2.3.2 Canal

The APE contains three tentative sections of the irrigation canals that would be modified with turnouts and pumping structures to control the inlet and outlet of water from the proposed storage basins. These sections of canals and drainages are tentatively located at the northmost point, at the mid-east edge, and the mid-west edge of the APE. Both the Santa Fe Canal and San Luis Canal were earthen, while the San Luis Drain was concrete lined. All canals at the time of the survey were inundated with water and appear to stay inundated throughout the year according to historic aerial photos. Vegetation within and immediately adjacent to the canals included salt grass (*Dostichlis spicata*), bearded sprangletop (*Leptochloa fusca ssp. fascicularis*), rabbit's foot grass (*Polypogon monspeliensis*), field bindweed (*Convolvulus arvensis*), common water hyacinth (*Eichhornia crassipes*), and Canada horseweed (*Erigeron canadensis*), among others. The upper and outer banks of the canals supported vegetation much the same as the agricultural field margins of the site.

The three sections of canals within the APE offered a varying degree of value to native wildlife, dependent on the flow regime, lining substrate, and maintenance activity. Wildlife use of the canals was most apparent in the San Luis and Santa Fe Canal portions. Crustaceans such as crayfish (*Pacifastacus sp.*) and non-native fish species like black bullhead catfish (*Ameiurus melas*) may be found in both canals. Amphibians such as the American bullfrog (*Lithobates*

catesbeianus), the Sierran tree frog (*Pseudacris sierra*) and western toad (*Bufo boreas*) may also occur here. These and other prey species such as mosquito fish (*Gambusia affinis*) may attract wading birds such as the great blue heron (*Ardea herodias*) and great egret (*Ardea alba*). Burrowing owls may find nesting/roosting habitat in California ground squirrel burrows in canal banks. Larger mammals such as raccoons and coyotes may utilize the canals for foraging or water.

2.4 SPECIAL STATUS PLANTS AND ANIMALS

Many species of plants and animals within the state of California have low populations, limited distributions, or both. Such species may be considered "rare" and are vulnerable to extirpation as the state's human population grows and the habitats these species occupy are converted to agricultural and urban uses. As described more fully in Section 3.0, state and federal laws have provided CDFW and the U.S. Fish and Wildlife Service (USFWS) with a mechanism for conserving and protecting the diversity of plant and animal species native to the state. A sizable number of native plants and animals have been formally designated as threatened or endangered under state and federal endangered species legislation. Others have been designated as "candidates" for such listing. Still others have been designated as "species of special concern" by the CDFW. The California Native Plant Society (CNPS) has developed its own set of lists (i.e., California Rare Plant Ranks, or CRPR) of native plants considered rare, threatened, or endangered (CNPS 2023). Collectively, these plants and animals are referred to as "special status species."

The *California Natural Diversity Data Base* (CNDDB) (CDFW 2023) was queried for special status species occurrences in nine USGS 7.5-minute quadrangles on and surrounding the project APE (*Los Banos, San Luis Ranch, Turner Ranch, Delta Ranch, Dos Palos, Charleston School, Ortigalita Peak NW, Volta, and Ingomar).* An unofficial species list was obtained using the USFWS Information for Planning and Consultation (IPaC) system for federally listed species with the potential to be affected by the project (USFWS 2023) (Appendix D). These species, and their potential to occur on the project site, are listed in Table 2 on the following pages. Sources of information for this table included *California's Wildlife, Volumes I, II, and III* (Zeiner et. al 1988-1990), *California Natural Diversity Data Base* (CDFW 2023), *The Jepson Manual:*

Vascular Plants of California, second edition (Baldwin et al 2012), and *The California Native Plant Society's Inventory of Rare and Endangered Vascular Plants of California* (CNPS 2023), Calflora.org, and eBird.org.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

PLANTS (adapted from CDFW 2023, USFWS 2023, and CNPS 2023)

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Act

Species	Status	Habitat	*Occurrence Within the Project APE
Hoover's Spurge *(Euphorbia hooveri)*	FT, CRPR1B.2	Occurs in vernal pools of California's Central Valley; blooms July-September; elevation 80-820 ft.	**Absent.** Vernal pool habitat is absent from APE.
Delta Button-Celery (*Eryngium racemosum*)	CE, CRPR 1B.1	Occurs in riparian scrub and vernally mesic clay depressions between 3 – 30 m. in elevation in the northern San Joaquin Valley and Calaveras County. Bloom June – August.	**Absent.** Vernal pool habitat is absent from APE.
Colusa Grass *(Neostapfia colusana)*	FT, CE, CRPR 1B.1	Typically found in alkaline basins of Sacramento and San Joaquin valleys and in acidic soils along the eastern San Joaquin valley and the Sierra Nevada foothills.	**Absent.** Vernal pool habitat is absent from APE.

CNPS-Listed Plants

Alkali Milk Vetch (*Astragalus tener var. tener*)	CRPR 1B.2	Typically occurs in valley grassland, alkali sink, seasonal wetlands, and riparian habitats of the lower Sacramento and upper San Joaquin Valleys, and the San Francisco Bay Area at elevations below 200 feet. Blooms March to June.	**Absent.** Anthropogenic disturbance across the APE has created unsuitable habitat conditions for this species.
Heartscale (*Atriplex cordulata var. cordulata*)	CRPR 1B.2	Occurs in cismontane woodland and valley and foothill grassland of the San Joaquin Valley at elevations below 1,230 ft. Blooms April–October.	**Absent.** Habitat for this species is absent from the APE.
Lost Hills Crownscale (*Atriplex coronata var. vallicola*)	CRPR 1B.2	Occurs in chenopod scrub, valley and foothill grassland, and vernal pools in powdery, alkaline soils that are vernally moist with frankenia, atriplex spp. and distichlis. Blooms April–Aug.	**Absent.** Moist, powdery alkaline soils required by this species are absent from the project APE.
Lesser Saltscale (*Atriplex minuscula*)	CRPR 1B.1	Occurs in cismontane woodland and valley and foothill grassland between 50 and 660 ft. in elevation. Blooms May-October.	**Absent.** Habitat for this species is absent from the APE.
Vernal Pool Smallscale (*Atriplex persistens*)	CRPR 1B.2	Occurs in alkaline vernal pools below 400 ft. in elevation. Blooms July-October.	**Absent.** Vernal pool habitat is absent from the project APE.
Lemmon's Jewelflower (*Caulanthus lemmonii*)	CRPR 1B.2	Occurs in grassland habitat of California's Inner Coast Range from Alameda Co. on the north to Ventura Co. on the south; occurs between 260 and 4,000 ft. in elevation. Blooms March-May.	**Absent.** Suitable habitat is absent from the APE. The project APE is outside of the species range.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

PLANTS cont'd.

CNPS-Listed Plants

Species	Status	Habitat	*Occurrence Within the Project APE
Hispid Salty Bird's-Beak (*Chloropyron molle spp. hispidum)*	CRPR 1B.2	Occurs in damp alkaline soils, especially in alkaline meadows and alkali sinks with *Distichlis spicata*; occurs below 500 ft. in elevation. Populations are concentrated in the San Joaquin Valley in Merced Co., with outlier populations in the Sacramento Valley, Bay Area, and Tulare Basin; blooms June–September; elevations up to 500 ft.	**Absent.** Suitable habitat is absent from the project APE.
Recurved Larkspur (*Delphinium recurvatum*)	CRPR 1B.2	Occurs in chenopod scrub, valley and foothill grassland, cismontane woodland on alkaline soils; often in valley saltbush or valley chenopod scrub up to 2,600 ft in elevation. Blooms March - June.	**Absent.** Suitable habitat is absent from the project APE.
Spiny-Sepaled Button Celery (*Eryngium spinosepalum*)	CRPR 1B.2	Occurs in vernal pools and valley and foothill grasslands of the San Joaquin Valley and the Tulare Basin between 330 and 840 ft. in elevation. Blooms April-May.	**Absent.** Suitable habitat is absent from the project APE.
Alkali-Sink Goldfields (*Lasthenia chrysantha*)	CRPR 1B.1	Occurs in valley grassland, alkali sink, wetland riparian areas less than 328 ft. in elevation in the southern Sacramento Valley and San Joaquin Valley. Blooms February – June.	**Absent.** Suitable habitat is absent from the project APE.
Coulter's Goldfields (*Lasthenia glabrara spp. coulteri*)	CRPR 1B.1	Found in coastal salt marshes and swamps, playas, and vernal pools at elevations between 1 and 1, 375 meters. Blooms February - June.	**Absent.** Suitable habitat is absent from the project APE.
Prostrate Vernal Pool Navarretia (*Navarretia prostrata*)	CRPR 1B.2	Occurs in wetlands of coastal sage scrub and riparian areas in western San Joaquin valley, San Francisco Bay, South Coast range, and the Santa Rosa Plateau at elevations less than 2296 ft. Blooms April – July.	**Absent.** Suitable habitat is absent from the project APE.
California Alkali Grass (*Puccinellia simplex*)	CRPR 1B.2	Occurs in alkali sinks and flats within grassland and chenopod scrub habitats of the Central Valley, San Francisco Bay area, and western Mojave Desert below 3,000 ft. in elevation. Blooms March-May.	**Absent.** Suitable habitat is absent from the project APE.
Sanford's Arrowhead (*Sagittaria sanfordii*)	CRPR 1B.2	Occurs in freshwater emergent marsh habitat in drainage ditches and canals of California's Central Valley and low Sierra foothills. Blooms May to October.	**Unlikely.** Suitable habitat occurs in onsite canals. However, this conspicuous plant was not observed during the surveys conducted during this species blooming period.
Chaparral Ragwort (*Senecio aphanactis*)	CRPR 2B.2	Occurs on drying alkaline flats within chaparral, cismontane woodland, and coastal scrub at elevations of 50-2,624 feet. Blooms January-April.	**Absent.** Suitable habitat is absent from the project APE.
Arburua Ranch Jewel-Flower (*Streptanthus insignis* ssp. *lyonii*)	CRPR 1B.2	Coastal scrub at elevations of 755-2,800 feet. Annual, blooms March-May.	**Absent.** Suitable habitat is absent from the project APE. Furthermore, the site is outside the elevational range of the species.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

PLANTS cont'd.

CNPS-Listed Plants

Species	Status	Habitat	*Occurrence Within the Project APE
Northern Slender Pondweed (*Stuckenia filiformis ssp. alpina*)	CRPR 2B.2	Marshes and swamps at elevations of 16-7627 ft. Blooming period May - July.	**Unlikely.** Habitat is marginal and the closest documented occurrence is 9.3 miles northwest of the site from 1948 collections. This species was not observed during the field survey.
Wright's Trichocoronis (*Trichocoronis wrightii var. wrightii*)	CRPR 2B.1	Occurs in mud flats of vernal lakes, drying riverbeds, alkali meadows. Blooms May-September; elevations up to 1,400 ft.	**Unlikely.** Habitat is marginal on the project site and no individuals were seen.

ANIMALS (adapted from CDFW 2023 and USFWS 2023)

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Act

Crotch Bumble Bee (*Bombus crotchii*)	CCE	Elderberry shrubs of the Central Valley and foothills north of Fresno County up to 3,000'.	**Unlikely.** This species is unlikely to occur in the matrix of residential and agricultural lands that characterizes the project vicinity. In fact, it is generally thought to be absent from the valley floor.
Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*)	FT	Elderberry shrubs of the Central Valley and foothills north of Fresno County up to 3,000'.	**Absent.** Habitat for this species in the form of elderberry shrubs is absent from the project site.
Monarch Butterfly (*Danaus plexippus*)	FC	Overwinters in coastal California and Baja California and breeds throughout California in the spring and summer along its annual migration north and east. The adult monarch lays its eggs on obligate milkweed (*Asclepias* spp.) host plants, which the resultant larvae feed on before pupating and emerging as adults. In addition to milkweed, this species requires abundant nectar resources to nourish migrating adults, and trees for roosting during migratory stopovers.	**Absent.** Agricultural lands of the site provide little to no habitat value for this species. Milkweed plants utilized for egg and larvae development area absent from the site.
Conservancy Fairy Shrimp (*Branchinecta conservatio*)	FE	Occurs in large, turbid vernal pools in grasslands of the northern two-thirds of the Central Valley.	**Absent.** Vernal pools required by this species are absent from the APE and immediately surrounding lands.
Longhorn Fairy Shrimp (*Branchinecta longiantenna*)	FE	Vernal pools of clear to turbid waters including grass-bottomed pools in Merced County. Can be caught between December and April.	**Absent.** Vernal pools required by this species are absent from the APE and immediately surrounding lands.
Vernal Pool Fairy Shrimp (*Branchinecta lynchi*)	FT	Occurs in vernal pools, clear to tea-colored water in grass or mud-bottomed swales, and basalt depression pools.	**Absent.** Vernal pools required by this species are absent from the APE and immediately surrounding lands.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

ANIMALS – cont'd.

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Act

Species	Status	Habitat	***Occurrence Within the Project APE**
Vernal Pool Tadpole Shrimp (*Lepidurus packardi*)	FE	Vernal pools of clear to turbid waters of the Central Valley measuring 54 sq.ft. to larger pools (largest known to be 89-acre Olcott Lake).	**Absent.** Vernal pools required by this species are absent from the APE and immediately surrounding lands.
Steelhead - Central Valley DPS (*Oncorhynchus mykiss irideus pop. 11*)	FT	This slender-bodied fish is endemic to the San Francisco Bay and Sacramento-San Joaquin Delta upstream through Contra Costa, Sacramento, San Joaquin, Solano, and Yolo Counties.	**Absent.** The canals within the APE provide unsuitable habitat for this species.
Foothill Yellow-Legged Frog (*Rana boylii*)	CE	Requires partly-shaded, shallow streams & riffles with a rocky substrate in a variety of habitats.	**Absent.** The project APE is outside the range of the species and suitable habitat is absent from the project site.
California Red-legged Frog (*Rana draytonii*)	FT	Perennial rivers, creeks, and stock ponds of the Inner Coast Range foothills, preferring deep pools with overhanging vegetation.	**Absent.** Suitable aquatic habitat for this species is absent from the APE.
California Tiger Salamander (*Ambystoma californiense*)	FT, CT	Found primarily in annual grasslands; requires vernal pools for breeding and rodent burrows for aestivation. Although most CTS aestivate within 0.4 mile of their breeding pond, outliers may aestivate up to 1.3 miles away (Orloff 2011). Breeds in vernal pools and stock ponds of central California; adults aestivate in grassland habitats adjacent to the breeding sites.	**Absent.** Seasonal pools and ponds required by this species for reproduction are absent from the project site and surrounding lands.
Western Pond Turtle (*Emys marmorata*)	FPT	Ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Requires basking sites of sandy banks or grassy open fields for egg laying.	**Unlikely.** Aquatic canal habitat on the site is unsuitable to marginal for this species due to steep banks, concrete linings, and/or lack of vegetation. A pond turtle has been documented within 1.3 miles of the APE in a waterway with emergent marsh vegetation and undisturbed uplands (CDFW 2023)
Giant Garter Snake (*Thamnophis gigas*)	FT, CT, CFP	Occurs in marshes, sloughs, drainage canals, irrigation ditches, rice fields, and adjacent uplands. Prefers locations with emergent vegetation for cover and open areas for basking. Inhabit small mammal burrows and other upland soil crevices during the winter during hibernation.	**Unlikely.** Onsite canals provide unsuitable to marginal habitat for this species due to the absence of, or relatively sparce, vegetation cover in and around the canals. While burrows associated with the canals could theoretically provide potential wintering refuge, the unsuitability of the canals for this species would preclude any use of upland burrows. The most recent sighting occurred in 2018 approximately 12 miles northwest of the APE.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

ANIMALS – cont'd.

Species Listed as Threatened or Endangered under the State and/or Federal Endangered Species Act

Species	Status	Habitat	*Occurrence Within the Project APE
Blunt-Nosed Leopard Lizard (*Gambelia sila*)	FE, CE, CFP	Occurs in semiarid grasslands, alkali flats, and washes. Avoids densely vegetated areas. Inhabits the San Joaquin Valley and adjacent valleys and foothills north to southern Merced County.	**Absent.** Suitable habitat for this species is absent from the APE.
California Condor (*Gymnogyps californianus)*	FE	Scavenges for carrion over vast expanses of open savannah, grasslands, and foothill chaparral in mountain ranges up to 6,000 ft. in elevation. They nest deep in canyons containing clefts in rocky walls.	**Unlikely**. Nesting habitat is absent from the APE and foraging habitat is marginal for this species.
Swainson's Hawk (*Buteo swainsoni*)	CT	This breeding-season migrant to California nests in stands with few trees in riparian areas and juniper-sage flats, and in oak savannah. Requires adjacent suitable foraging areas such as grasslands or alfalfa fields supporting rodent populations.	**Likely.** Nesting habitat is absent within the APE; however, potential foraging habitat occurs across the APE. Two nests were observed approximately one mile north of the project site and a myriad of nests have been documented within a 10-mile radius of the APE (CDFW 2013).
Tricolored Blackbird (*Agelaius tricolor*)	CT	Breeds near fresh water, primarily emergent wetlands, with tall thickets. Forages in many open habitats.	**Possible.** Tricolored blackbirds could forage in open areas of the project site from time to time. Suitable breeding habitat is absent from the project site.
Nelson's (=San Joaquin) Antelope Squirrel (*Ammospermophilus nelsoni*)	CT	Occurs in the southwest portion of the valley in arid grassland and shrubland communities. Lives in burrows of its own construction or dug by kangaroo rats. Diurnal	**Absent.** Suitable habitat for this species is absent from the APE.
Fresno Kangaroo Rat (*Dipodomys nitratoides exilis*)	FE, CE	Occurs in alkali scrub and herbaceous habitats with scattered shrubs in the southwestern San Joaquin Valley.	**Absent.** Suitable habitat for this species is absent from the APE.
Giant Kangaroo Rat (*Dipodomys ingens*)	FE, CE	Inhabits grasslands on gentle slopes generally less than 10°, with friable, sandy-loam soils within the west side of the southern San Joaquin Valley and adjacent coastal foothills.	**Absent.** Suitable habitat for this species is absent from the APE. Furthermore, the APE is outside this species' range.
San Joaquin Kit Fox (*Vulpes macrotis mutica*)	CT, FE	Found in desert alkali scrub, arid grasslands, and foothills of the San Joaquin Valley. May forage in adjacent agricultural habitats. Self-dug or modified rodent burrows are used as dens which are used for thermoregulation, cover, and reproduction.	**Unlikely.** There are 12 documented historic occurrences of kit fox within a 10-mile radius of the project site. The most recent sighting is from 2001(CDFW 2023). There are no documented kit fox occurrences in or adjacent to Los Banos and lands surrounding the site provide unsuitable to marginal habitat and inundated canals along the borders of the site reduce kit fox access. The nearest kit fox occurrence is from 1971, approx. 5 miles northeast of the project site. Denning and foraging habitat is absent to marginal on the project site due to agricultural activity and regular canal maintenance on the site.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

ANIMALS – cont'd.

State Species of Special Concern

Species	Status	Habitat	*Occurrence Within the Project APE
Hardhead *(Mylopharodon conocephalus)*	CSC	Occurs in clear deep streams with a slow but present flow, in a low to mid-elevation environment. May also inhabit lakes or reservoirs. Spawns in pools, runs, or rifles with a gravel and rocky substrate.	**Absent:** Onsite canals provide unsuitable habitat for this species.
Northern Leopard Frog *(Lithobates pipiens)*	CSC	Occurs in sandy or loose loamy soils under sparse vegetation. soil moisture is essential and prefer soils with a high moisture content.	**Absent:** Suitable habitat for this species is absent from APE. Furthermore, the closest and most recent sighting occurred in 1976 approximately 11.25 miles northeast of APE.
Western Spadefoot (*Spea hammondii*)	CSC	Primarily occurs in grasslands, but also occurs in valley and foothill hardwood woodlands. Requires vernal pools or other temporary ponds for breeding.	**Unlikely.** Seasonal pools and ponds required by this species for reproduction are absent from the project site and surrounding lands. The nearby canals, while inundated with water, provide marginal habitat for this species.
Northern California Legless Lizard (*Anniella pulchra*)	CSC	Occurs in sandy or loose loamy soils under sparse vegetation. soil moisture is essential and prefer soils with a high moisture content.	**Absent.** Suitable habitat is absent from the APE.
San Joaquin Coachwhip (*Masticophis flagellum ruddocki*)	CSC	Open, dry habitats with little or no tree cover. Found in valley grasslands and saltbush scrub in the San Joaquin Valley.	**Absent.** Suitable habitat is absent from the APE.
Golden Eagle *(Aquila chrysaetos)*	CFP	Occurs year-round in forests, canyons, shrub lands, grasslands, and oak woodlands. Breeds from late January through August and produces 1-3 eggs. Nests on steep cliffs or in large trees. Main prey are rabbits, hares and rodents, though they will eat other mammals, birds, reptiles, and carrion as well.	**Unlikely.** No suitable nesting habitat is present on the site; foraging habitat is marginal.
Northern Harrier (*Circus cyaneus*)	CSC	Frequents meadows, grasslands, rangelands, emergent wetlands; uncommon in wooded habitats.	**Present.** Nesting habitat is marginal on site, though the site could be used for foraging. Individual spotted flying over APE during LOA field survey.
Yellow Rail (*Coturnicops noveboracensis*)	CSC	A summer resident in freshwater marshlands of Mono County.	**Absent.** The project site is outside the current range of the species and suitable habitat is absent.
Mountain Plover (*Charadrius montanus*)	CSC	This species is a winter resident of California's Central and Imperial Valleys, where it forages in short grasslands and freshly plowed fields. Breeds in the western Great Plains and Rocky Mountain states.	**Possible.** Mountain plovers are known to forage in fallow and alfalfa fields- both of which were present on the APE.

TABLE 2. LIST OF SPECIAL STATUS SPECIES THAT COULD OCCUR IN THE PROJECT VICINITY

ANIMALS – cont'd.

Species	Status	Habitat	*Occurrence Within the Project APE
Burrowing Owl (*Athene cunicularia*)	CSC	Frequents open, dry annual or perennial grasslands, deserts, and scrublands characterized by low growing vegetation. Dependent upon burrowing mammals, most notably the California ground squirrel, for nest burrows.	**Present.** Two burrowing owls were spotted on the southern edge of the APE during LOA field survey. Burrows suitably sized to accommodate burrowing owls were present along the edges of fields, along the San Luis Canal, along roadsides, and near bridges within the APE.
Loggerhead Shrike (*Lanius ludovicianus*)	CSC	Frequents open habitats with sparse shrubs and trees, other suitable perches, bare ground, and low herbaceous cover. Can often be found in cropland.	**Possible.** This species may occasionally forage on the site. Suitable nesting habitat is absent on APE.
Yellow-headed Blackbird *(Xanthocephalus xanthocephalus)*	CSC	Nests in large colonies in cattail marshes. Occurs primarily as a migrant from April to early October, breeds from mid-April to late July. Small numbers may overwinter in the southern Central Valley.	**Unlikely.** Breeding habitat is absent from APE. This species is not known to occur in this region of the San Joaquin Valley. The nearest documented breeding occurrence is approximately 12.5 miles southeast of the site from 1919. (CDFW 2023).
American Badger (*Taxidea taxus*)	CSC	Found in drier open stages of most shrub, forest, and herbaceous habitats with friable soils, specifically grassland environments. Natal dens occur on slopes.	**Absent.** The project APE provides unsuitable habitat for this species.

STATUS CODES

FE	Federally Endangered	CE	California Endangered
FT	Federally Threatened	CT	California Threatened
FTP	Federally Threatened (Proposed)	CFP	California Protected
FC	Federal Candidate	CSC	California Species of Special Concern

CRPR	California Rare Plant Ranking
1A	Plants Presumed Extinct in California
1B	Plants Rare, Threatened, or Endangered in California and elsewhere
2	Plants Rare, Threatened, or Endangered in California, but more common elsewhere
3	Plants about which we need more information – a review list
4	Plants of limited distribution – a watch list

2.5 JURISDICTIONAL WATERS

Jurisdictional waters are those rivers, creeks, drainages, lakes, ponds, reservoirs, and wetlands that are subject to the authority of the USACE, CDFW, and/or the RWQCB. In general, the USACE regulates navigable waters, tributaries to navigable waters, and wetlands with a continuous surface connection to these waters, where wetlands are defined by the presence of

hydric soils, hydrophytic vegetation, and wetland hydrology. All waters under USACE jurisdiction are also regulated by the RWQCB as waters of the State. Additionally, the RWQCB asserts jurisdiction over certain isolated features disclaimed by the USACE. The CDFW has jurisdiction over waters that have a defined bed and bank. The regulation of jurisdictional waters is discussed in more detail in Section 3.8.

The San Luis Canal and Santa Fe Canal appear to have an upstream and downstream hydrologic connection to the San Joaquin River. The San Luis Drain appears to have a downstream hydrologic connection with Mud Slough. The Drain was holding a significant amount of water during LOA's field visit and can be seen holding high levels of water in recent aerial photography. There is no clear jurisdictional exemption for large canals such as these. As a result, the jurisdictional status of these canals is unknown. However, the canals are artificial in nature and do not appear to be constructed in the location of pre-existing waterways. They do not appear to have naturalized features. There is no indication that the canals were historically used for navigation. Only the USACE and RWQCB can make a jurisdictional determination of waters in California.

2.6 DESIGNATED CRITICAL HABITAT

As will be discussed further in Section 3.0, the USFWS often designates areas of "critical habitat" when it lists species as threatened or endangered. Critical habitat is a specific geographic area(s) that contains features essential for the conservation of a threatened or endangered species and that may require special management and protection.

Designated critical habitat is absent from the project site and immediately surrounding lands.

2.7 SENSITIVE NATURAL COMMUNITIES

California contains a wide range of natural communities, or unique assemblages of plants and animals. These communities have largely been classified and mapped by CDFW as part of their Vegetation Classification and Mapping Program (VegCAMP). Natural communities are assigned state and global ranks according to their rarity and the magnitude and trend of the threats they face. Any natural community with a state rank of 3 or lower (on a 1 to 5 scale) is considered

"sensitive" and must be considered in CEQA review.

Designated sensitive natural communities are absent from the project APE.

2.8 WILDLIFE MOVEMENT CORRIDORS

Wildlife movement corridors are routes that animals regularly and predictably follow during seasonal migration, dispersal from native ranges, daily travel within home ranges, and inter-population movements. Movement corridors in California are typically associated with valleys, ridgelines, and rivers and creeks supporting riparian vegetation. Certain features of the project area have the potential to function as movement corridors for resident and migratory fish and wildlife species.

The Santa Fe Canal, San Luis Canal, and Santa Fe Drain could provide a movement corridor for non-native fish and other locally occurring wildlife species.

3.0 RELEVANT GOALS, POLICIES, AND LAWS

3.1 GENERAL PLAN POLICIES OF MERCED COUNTY

In compliance with CEQA, the lead agency must consider conformance with applicable goals and policies of the General Plan of Merced County. The Merced County General Plan was updated in 2013 and has a planning horizon through 2030. It presents the County's vision for long-term growth and development and establishes goals and policies to accomplish this vision. Goals and policies relevant to the study area's biological resources are primarily derived from the Plan's Natural Resources Element, and include the following:

- Cooperate with local, state, and federal agencies to ensure that adequate ongoing protection and monitoring occurs adjacent to rare and endangered species habitats or within identified significant wetlands
- Avoid or minimize loss of existing wetland resources by careful placement and construction of any necessary new public utilities and facilities
- Require an appropriate setback, to be determined during the development review process, for developed and agricultural uses from the delineated edges of wetlands
- Protect existing trees and encourage the planting of new trees in existing communities
- Coordinate with private, local, state, and federal agencies to assist in the protection of biological resources and prevention of degradation, encroachment, or loss of resources managed by these agencies

3.2 THREATENED AND ENDANGERED SPECIES

In California, imperiled plants and animals may be afforded special legal protections under the California Endangered Species Act (CESA) and/or Federal Endangered Species Act (FESA). Species may be listed as "threatened" or "endangered" under one or both Acts, and/or as "rare" under CESA. Under both Acts, "endangered" means a species is in danger of extinction throughout all or a significant portion of its range, and "threatened" means a species is likely to become endangered within the foreseeable future. Under CESA, "rare" means a species may

become endangered if their present environment worsens. Both Acts prohibit "take" of listed species, defined under CESA as "to hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture or kill" (California Fish and Game Code, Section 86), and more broadly defined under FESA to include "harm" (16 USC, Section 1532(19), 50 CFR, Section 17.3). The USFWS commonly interprets "take" to include the loss of habitat utilized by a listed species.

When state and federally listed species have the potential to be impacted by a project, the USFWS and CDFW must be included in the CEQA process. These agencies review the environmental document to determine the adequacy of its treatment of endangered species issues and to make project-specific recommendations for the protection of listed species. Projects that may result in the "take" of listed species must generally enter into consultation with the USFWS and/or CDFW pursuant to FESA and CESA, respectively. In some cases, incidental take authorization(s) from these agencies may be required before the project can be implemented.

3.3 MIGRATORY BIRDS

The Federal Migratory Bird Treaty Act (FMBTA: 16 USC 703-712) prohibits killing, possessing, or trading in any bird species covered in one of four international conventions to which the United States is a party, except in accordance with regulations prescribed by the Secretary of the Interior. The name of the act is misleading, as it actually covers almost all birds native to the United States, even those that are non-migratory. The FMBTA encompasses whole birds, parts of birds, and bird nests and eggs.

Native birds are also protected under California state law. The California Fish and Game Code makes it unlawful to take or possess any non-game bird covered by the FMBTA (Section 3513), as well as any other native non-game bird (Section 3800), even if incidental to lawful activities.

3.4 BIRDS OF PREY

Birds of prey are also protected in California under provisions of the State Fish and Game Code, Section 3503.5, 1992), which states that it is "unlawful to take, possess, or destroy any birds in the order *Falconiformes* or *Strigiformes* (birds of prey) or to take, possess, or destroy the nest or eggs of any such bird except as otherwise provided by this code or any regulation adopted

pursuant thereto." Construction disturbance during the breeding season could result in the incidental loss of fertile eggs or nestlings, or otherwise lead to nest abandonment. Disturbance that causes nest abandonment and/or loss of reproductive effort is considered "taking" by the CDFW.

3.5 NESTING BIRDS

In California, protection is afforded to the nests and eggs of all birds. California Fish and Game Code (Section 3503) states that it is "unlawful to take, possess, or needlessly destroy the nest or eggs of any bird except as otherwise provided by this code or any regulation adopted pursuant thereto." Breeding-season disturbance that causes nest abandonment and/or loss of reproductive effort is considered a form of "take" by the CDFW.

3.6 HABITAT CONSERVATION PLANS AND NATURAL COMMUNITY CONSERVATION PLANS

Section 10 of the federal Endangered Species Act establishes a process by which non-federal projects can obtain authorization to incidentally take listed species, provided take is minimized and thoroughly mitigated. A Habitat Conservation Plan (HCP), developed by the project applicant in collaboration with the USFWS and/or NMFS, ensures that such minimization and mitigation will occur, and is a prerequisite to the issuance of a federal incidental take permit. Similarly, a Natural Community Conservation Plan (NCCP), developed by the project applicant in collaboration with CDFW, provides for the conservation of biodiversity within a project area, and permits limited incidental take of state-listed species.

3.7 WETLANDS AND OTHER JURISDICTIONAL WATERS

Section 404 of the federal Clean Water Act (CWA) regulates the discharge of dredged or fill material into "navigable waters" (33 U.S.C. §1344), defined in the CWA as "the waters of the United States, including the territorial seas" (33 U.S.C. §1362(7)). The CWA does not supply a definition for waters of the U.S., and that has been the subject of considerable debate since the CWA's passage in 1972. A variety of regulatory definitions have been promulgated by the two federal agencies responsible for implementing the CWA, the Environmental Protection Agency

(EPA) and USACE. These definitions have been interpreted, and in some cases, invalidated, by federal courts.

Waters of the U.S. are presently defined by the EPA and USACE's joint 2023 Revised Definition of 'Waters of the U.S.' Rule (2023 WOTUS Rule), with certain interpretive modifications imposed by the U.S. Supreme Court's May 25, 2023 decision in the case of *Sackett v. Environmental Protection Agency*. Generally speaking, these waters include:

- Waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide.
- The territorial seas.
- Interstate waters including interstate wetlands.
- Impoundments of waters otherwise defined as waters of the United States under the definition.
- Tributaries to other waters of the U.S. that are relatively permanent, standing or continuously flowing bodies of water.
- Wetlands adjacent to other waters of the U.S. that have a continuous surface connection to those waters.

The 2023 WOTUS Rule also defines a number of exclusions from the definition of waters of the U.S., many of which are longstanding exclusions from earlier regulatory regimes. These generally include:

- Waste treatment systems.
- Prior converted cropland.
- Ditches excavated wholly in and draining only dry land that do not carry a relatively permanent flow of water.
- Certain artificial features, e.g. irrigation basins, swimming pools, borrow pits, and artificially irrigated areas.

- Swales and erosional features characterized by low volume, infrequent, or short duration flow.

All activities that involve the discharge of dredge or fill material into waters of the U.S. are subject to the permit requirements of the USACE. Such permits are typically issued on the condition that the applicant agrees to provide mitigation that result in no net loss of wetland functions or values.

Under the Porter-Cologne Water Quality Control Act of 1969, the State Water Resources Control Board (SWRCB) has regulatory authority to protect the water quality of all surface water and groundwater in the State of California. In practice, however, not all such waters are considered jurisdictional "waters of the State." Broadly, waters of the State include all waters of the U.S., all natural wetlands, certain artificial wetlands, and various other features. Nine RWQCBs, each corresponding to a different region of the state, regulate discharges of fill and pollutants into waters of the State through the issuance of various permits and orders. Discharges into waters of the State that are also waters of the U.S. require a Section 401 Water Quality Certification from the RWQCB as a prerequisite to obtaining a Section 404 Clean Water Act permit. Discharges into waters of the State that are not also waters of the U.S. require Waste Discharge Requirements (WDRs), or waivers of WDRs, from the RWQCB.

The RWQCB also administers the Construction Storm Water Program and the federal National Pollution Discharge Elimination System (NPDES) program. Projects that disturb one or more acres of soil must obtain a Construction General Permit under the Construction Storm Water Program. A prerequisite for this permit is the development of a Storm Water Pollution Prevention Plan (SWPPP) by a certified Qualified SWPPP Developer. Projects that discharge wastewater, storm water, or other pollutants into a water of the U.S. may require a NPDES permit.

CDFW has jurisdiction over the bed and bank of natural drainages and lakes according to provisions of Section 1601 and 1602 of the California Fish and Game Code. Activities that may substantially modify such waters through the diversion or obstruction of their natural flow, change or use of any material from their bed or bank, or the deposition of debris require a Notification of Lake or Streambed Alteration. If CDFW determines that the activity may

adversely affect fish and wildlife resources, a Lake or Streambed Alteration Agreement will be prepared. Such an agreement typically stipulates that certain measures will be implemented to protect the habitat values of the lake or drainage in question.

4.0 IMPACTS AND MITIGATIONS

This impact assessment is based on the following assumptions about project design: 1) three water detention basins surrounded by six foot high raised berms will be constructed over 180 acres withing the agricultural areas of the APE; 2) a water turnout from the Santa Fe Canal and from the San Luis Canal will be built through the construction of a concrete structure with electrical pumping plants, meters, a discharge pipeline, and an outlet structure, covering less than an acre in/near onsite canal and agricultural habitat; 3) inter-basin connection structures will be built within the basins; 4) a return flow structure and pipeline from the northern basin into the San Luis Canal will be constructed, occupying less than an acre of current canal and agricultural habitats.

4.1 SIGNIFICANCE CRITERIA

NEPA

Projects that are proposed, funded, or authorized by federal agencies are generally subject to the provisions of NEPA. Signed into law in 1970, NEPA requires federal agencies to evaluate the environmental effects of their proposed actions prior to making decisions, and to provide opportunities for public review and comment during this process.

The Council on Environmental Quality Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act (40 CFR Parts 1500-1508; "CEQ regulations") define effects as "changes to the human environment from the proposed action or alternatives that are reasonably foreseeable." Examples include "ecological (such as the effects on natural resources and on the components, structures, and functioning of affected ecosystems), aesthetic, historic, cultural, economic, social, or health." Agencies are explicitly instructed to consider direct, indirect, and cumulative effects; the latter denotes those effects that "result from the incremental effects of the action when added to the effects of other past, present, and reasonably foreseeable actions" by any agency or entity."

The level of NEPA review that is required is related to the project's potential to cause "significant" environmental effects. "Significant" is not explicitly defined under NEPA;



however, CEQ regulations offer several guidelines for determining, and discounting, significance. Federal agencies are instructed to base their significance determinations on an analysis "of the potentially affected environment and degree of the effects of the action." *Potentially affected environment* refers both to the geographic area of the action, and to the resources found within this area; examples of the latter from the statute are listed species and designated critical habitat. Effects need not be far-reaching to be considered significant; for site-specific actions, a determination of significance usually depends only on the effects in the local area.

In considering the *degree* of an action's effects, federal agencies are instructed to consider the following:

- Both short- and long-term effects
- Both beneficial and adverse effects
- Effects on public health and safety
- Effects that would violate federal, state, tribal, or local law protecting the environment

NEPA requires that federal agencies consider mitigating for the environmental effects of their actions. Suitable measures include the following:

- Avoiding the impact altogether by not taking a certain action or parts of an action.
- Minimizing impacts by limiting the degree or magnitude of the action and its implementation.
- Rectifying the impact by repairing, rehabilitating, or restoring the affected environment.
- Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action.
- Compensating for the impact by replacing or providing substitute resources or environments.

CEQA

In California, any project carried out or approved by a public agency that will result in a direct or reasonably foreseeable indirect physical change in the environment must comply with CEQA. The purpose of CEQA is to ensure that a project's potential impacts on the environment are

evaluated and methods for avoiding or reducing these impacts are considered before the project is allowed to move forward. A secondary aim of CEQA is to provide justification to the public for the approval of any projects involving significant impacts on the environment.

According to Section 15382 of the CEQA Guidelines, a significant effect on the environment means a "substantial, or potentially substantial, adverse change in any of the physical conditions within the area affected by the project, including land, air, water, minerals, flora, fauna, ambient noise, and objects of historic or aesthetic interest." Although the lead agency may set its own CEQA significance thresholds, project impacts to biological resources are generally considered to be significant if they would meet any of the following criteria established in Appendix G of the CEQA Guidelines:

- 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, or regulations or by CDFW or USFWS.
- 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.
- 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.
- Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.

Furthermore, CEQA Guidelines Section 15065(a) requires the lead agency to make "mandatory findings of significance" if there is substantial evidence that a project may:

- 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, or substantially reduce the

number or restrict the range of an endangered, rare or threatened species.

- Achieve short-term environmental goals to the detriment of long-term environmental goals.
- Produce environmental effects that are individually limited but cumulatively considerable, meaning that the incremental effects of the project are significant when viewed in connection with the effects of past projects, other current projects, and probable future projects.

4.2 POTENTIALLY SIGNIFICANT PROJECT IMPACTS

4.2.1 Potential Project Impacts to Burrowing Owls

Potential Impacts. Two burrowing owls were observed along the southeast edge of the APE during LOA's field survey. In addition, many ground squirrel burrows that could provide habitat for burrowing owls were observed along dirt roads, canal berms, and along the edges of agricultural fields within the APE.

If one or more owls are present at the time of construction, individuals would be at risk of construction-related injury or mortality. These small raptors are protected under the FMBTA and California Fish and Game Code. Mortality of individual burrowing owls would be a violation of state and federal law and would constitute a significant impact of the project under CEQA and NEPA.

The project will also eliminate approximately 180 acers of burrowing owl foraging habitat. The loss of this foraging habitat is not considered a significant impact as many square miles of similar to higher quality habitat will remain in the project vicinity.

Mitigation. The following measures will be implemented for the protection of the burrowing owl.

> ***Mitigation Measure 4.2.1a (Take Avoidance Survey).*** A pre-construction "take avoidance" survey will be conducted by a qualified biologist for burrowing owl no less than 14 days prior to the onset of construction in the APE according to the methods described in the *Staff Report on Burrowing Owl Mitigation* (CDFW 2012). The survey area will include all suitable habitat on and within 200 meters of the project impact area,

where accessible.

Mitigation Measure 4.2.1b (Avoidance of Active Nests). If project activities are undertaken during the breeding season (February 1- August 31) and active nest burrows are identified on or within the APE, a 200-meter disturbance-free buffer will be established around these burrows. The buffers will be enclosed with temporary fencing to prevent construction equipment and workers from entering the setback area. Buffers will remain in place for the duration of the breeding season unless otherwise arranged with CDFW. After breeding season has ended and all young have left the nest, passive relocation of any remaining owls may take place as described below.

Mitigation Measure 4.2.1c (Avoidance or Passive Relocation of Resident Owls). During the non-breeding season (September 1- January 31), resident owls occupying burrows in project impact areas may either be avoided or passively relocated to alternative habitat. If the Applicant chooses to avoid active owl burrows within the APE during the non-breeding season, a 50-meter disturbance free buffer will be established around these burrows or alterative measures will be implemented in consultation with CDFW. These buffers will be enclosed with temporary fencing and will remain in place until a qualified biologist determines that the burrows are no longer active. If the Applicant chooses to passively relocate owls during the non-breeding season, this activity will be conducted in accordance with a relocation plan prepared by a qualified biologist.

Compliance with the above mitigation measures will reduce project impacts to burrowing owl individuals or regional populations to a less than significant level under CEQA and NEPA, and that the project is in compliance with state and federal laws protecting this species.

4.2.2 Project-Related Disturbance of Nesting Swainson's Hawks

Potential Impacts. Swainson's hawks are relatively common in the project vicinity. Two nests have been documented approximately one mile north of the project site and a myriad of nests have been documented within 10-miles of the project site. The project APE does not contain nesting habitat for this species and mature trees suitable for nesting are nearly absent from the project vicinity. However, there are several mature trees suitable for nesting approximately 0.3 to 0.5 miles northwest of the project site along the Santa Fe Canal. If a Swainson's hawk pair were to nest in one of these trees at the time of construction, project activities may disturb the adult birds and reduce nesting success. Project activities that adversely affect the nesting success of Swainson's hawks would violate state and federal laws and be considered a significant impact under CEQA and NEPA.

The project will also eliminate approximately 180 acres of Swainson's hawk foraging habitat. The loss of this foraging habitat is not considered a significant impact as many square miles of similar to higher quality habitat will remain in the project vicinity.

Mitigation. The applicant will implement the following measures to avoid and minimize the potential for construction-related disturbance of nesting Swainson's hawks.

> ***Mitigation Measure 4.2.2a* (*Construction Timing*).** If feasible, project construction will occur entirely outside the Swainson's hawk nesting season, typically defined as March 1-September 15.
>
> ***Mitigation Measure 4.2.2b* (*Preconstruction Surveys*).** If construction activities must occur between March 1 and September 15, then within 10 days prior to the start of work, a qualified biologist will conduct preconstruction surveys from publicly accessible roads for Swainson's hawk nests within ½ miles of the APE.
>
> ***Mitigation Measure 4.2.2c* (*Avoidance of Active Nests*).** Should any active nests be discovered within the survey area, an appropriate disturbance-free buffer will be established based on local conditions and agency guidelines. Disturbance free buffers will be identified on the ground with flagging, fencing, or by other easily visible means and will be maintained until a qualified biologist has determined that the young have fledged and are capable of foraging independently.

Implementation of these measures will reduce project-related impacts to the Swainson's hawk to a less than significant level under CEQA and NEPA and ensure compliance with state laws protecting this species.

4.2.3 Potential Project Impacts to Nesting Birds

Potential Impacts. The project site has the potential to be used for nesting by a variety of ground nesting birds protected by state law. If project construction takes place during the nesting season, birds nesting on the site could be injured or killed by construction activities or disturbed such that they would abandon their nests. Construction-related mortality of nesting birds and disturbance leading to nest abandonment would violate state laws.

Mitigation. To avoid and minimize the potential for construction-related mortality/disturbance of nesting birds, the following measures will be implemented:

Measure 4.2.3a (Construction Timing). If feasible, the project will be implemented outside of the avian nesting season, typically defined as February 1 to August 31.

***Measure 4.2.3b (Preconstruction Surveys*).** If construction is to occur between February 1 and August 31, a qualified biologist will conduct pre-construction surveys for active bird nests within 10 days prior to the start of construction. The survey area will encompass the site and accessible surrounding lands within 250 feet for nesting migratory birds and 500 feet for raptors (i.e. birds of prey).

***Measure 4.2.3c (Avoidance of Active Nests*).** Should any active nests be discovered in or near proposed construction zones, the biologist will identify a suitable construction-free buffer around the nest. This buffer will be identified on the ground with flagging or fencing and will be maintained until the biologist has determined that the young have fledged and are capable of foraging independently.

Implementation of the above measures will reduces project impacts to nesting birds to a less than significant level under CEQA and NEPA, and that the project is in compliance with state laws.

4.3 LESS THAN SIGNIFICANT PROJECT IMPACTS

4.3.1 Project Impacts to Special Status Plant Species

Potential Impacts. Twenty-one (21) special status plant species have been documented in the project vicinity (see Table 2). All are considered absent or unlikely to occur on the project site due to the absence of suitable habitat, the fact that they were not found on site when they should have been readily detectable, and/or the site's location outside the species range. Therefore, the proposed project would have no effect on individuals or regional populations of the 21 special status plant species analyzed.

Mitigation. Mitigation measures are not warranted.

4.3.2 Project Impacts to Special Status Animal Species Absent from, or Unlikely to Occur within, the Project Site

Potential Impacts. Of the 34 special status animal species that potentially occur in the general vicinity of the site, 28 are considered absent or unlikely to occur within the project site due to the absence of suitable habitat, and/or the project site's being situated outside of the species' known distribution (see Table 2). These include the vernal pool fairy shrimp, longhorn fairy shrimp,

Conservancy fairy shrimp, vernal pool tadpole shrimp, valley elderberry longhorn beetle, monarch butterfly, crotch bumble bee, steelhead - Central Valley DPS, hardead, California tiger salamander, foothill yellow-legged frog, California red-legged frog, blunt-nosed leopard lizard, giant garter snake, California condor, Nelson's antelope squirrel, golden eagle, Fresno kangaroo rat, giant kangaroo rat, San Joaquin kit fox, western spadefoot, northern leopard frog, western pond turtle, northern California legless lizard, San Joaquin coachwhip, yellow rail, yellow-headed blackbird, and American badger. The project is expected to have no effect on these species through construction mortality/disturbance or loss of habitat because there is little or no likelihood that they utilize the site.

Mitigation. Mitigation is not warranted.

4.3.3 Project Impacts to Special Status Species Potentially Occurring on the Site as Foragers Only

Potential Impacts. Four (4) species may utilize the site for foraging but would nest and roost elsewhere. These species are the northern harrier, mountain plover, loggerhead shrike, and tricolored blackbird. Since these species are highly mobile while foraging, the project is not expected to result in construction related mortality of individuals that may occur on the site prior to or during construction. The project site does not represent unique or important foraging habitat for these species, with many square miles of similar habitat present in the region. Therefore, project impacts to the northern harrier, mountain plover, loggerhead shrike, and tricolored blackbird are considered less than significant under CEQA and NEPA.

Mitigation. Mitigation is not warranted.

4.3.4 Project Impacts to Riparian Habitat and Sensitive Natural Communities

Potential Impacts. Although the APE includes sections of canals where water is present, no riparian habitat or sensitive aquatic habitat was present at the time of the field survey.

Mitigation. Mitigation measures are not warranted.

4.3.5 Potential Project Impacts to Waters of the State and U.S.

Potential Impacts. Hydrologic features on the site include the Santa Fe Canal, San Luis Canal, and San Luis Drain. The jurisdictional status of these features is unknown. Small sections of these canals would be impacted with the implementation of concrete structures with electrical pumping elements to control the inflow and outflow of water from the proposed basin. The exact area of impact to these waters is unknown at the time of this analysis but is expected to be less than one acre. Such a small area of impact to these artificial waterways is considered less than significant under CEQA and NEPA, regardless of their jurisdictional status.

Mitigation. Mitigation is not warranted.

4.3.6 Project Impacts to Wildlife Movement Corridors

Potential Impacts. While the Santa Fe Canal, San Luis Canal, and San Luis Drain may provide some movement opportunity for common terrestrial wildlife and non-native fish species, they would not be considered a regionally important movement corridor due to abundant movement opportunity within surrounding agricultural lands and the lack of native fish species anticipated in the canals. After construction, locally occurring, common fish and wildlife species would utilize these canals in the same manner as before project build-out. As a result, the project will not have a significant effect on wildlife movement corridors.

Mitigation. Mitigation is not warranted.

4.3.7 Project Impacts to Critical Habitat

Potential Impacts. The project will have no effect on designated critical habitat because critical habitat is absent from the project site and adjacent lands.

Mitigation. Mitigation is not warranted.

4.3.8 Local Policies or Habitat Conservation Plans

Potential Impacts. The proposed project design appears to be consistent with the goals and policies of the Merced County General Plan. No habitat conservation plans are known to pertain

to the area containing the project site.

Mitigation. No mitigation is required.

4.4 SECTION 7 DETERMINATIONS FOR FEDERALLY LISTED SPECIES

The following table summarizes project effect determinations for Federally Listed Species found on the USFWS IPaC list and CNDDB list generated for the project Action Area.

Table 3: Section 7 Determinations for Federally Listed Species

Species	Determination	Rationale for the Determination
Hoover's Spurge *(Euphorbia hooveri)*	***No effect***	• Habitat absent
Colusa Grass *(Neostapfia colusana)*	***No effect***	• Habitat absent
Vernal Pool Fairy Shrimp (*Branchinecta lynchi*)	***No effect***	• Habitat absent
Longhorn Fairy Shrimp (*Branchinecta longiantenna*)	***No effect***	• Habitat absent
Conservancy Fairy Shrimp (*Branchinecta conservatio*)	***No effect***	• Habitat absent
Vernal Pool Tadpole Shrimp (*Lepidurus packardi*)	***No effect***	• Habitat absent
Monarch Butterfly *(Danaus plexippus)*	***No effect***	• Habitat absent
Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*)	***No effect***	• Habitat absent
Steelhead - Central Valley DPS (*Oncorhynchus mykiss irideus pop. 11*)	***No effect***	• Habitat absent
California Tiger Salamander (*Ambystoma californiense*)	***No effect***	• Habitat absent
California Red-legged Frog (*Rana draytonii*)	***No effect***	• Habitat absent
Giant Garter Snake (GGS) (*Thamnophis gigas*)	***No effect***	• Habitat absent to marginal
Western Pond Turtle (*Emys marmorata*)	***No effect***	• Habitat absent to marginal

Table 3: Continued

Species	Determination	Rationale for the Determination
Blunt-Nosed Leopard Lizard (*Gambelia sila*)	***No effect***	• Habitat absent
California Condor (*Gymnogyps californianus)*	***No effect***	• Habitat absent
Fresno Kangaroo Rat (*Dipodomys nitratoides exilis*)	***No effect***	• Project site out of species' range • Habitat absent
Giant Kangaroo Rat (*Dipodomys ingens*)	***No effect***	• Habitat absent
San Joaquin Kit Fox (SJKF) (*Vulpes macrotis mutica*)	***No effect***	• Onsite habitat is absent to marginal. • Modern regional occurrences are absent from the project vicinity.

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APPENDIX A: VASCULAR PLANTS OF THE PROJECT SITE

APPENDIX A: VASCULAR PLANTS OF THE PROJECT SITE

The plant species listed below were observed on the project site during surveys conducted by Live Oak Associates, Inc. on September 8 and September 22, 2023. The U.S. Fish and Wildlife Service Arid West wetland indicator status of each plant has been shown following its common name.

OBL - Obligate
FACW - Facultative Wetland
FAC - Facultative
FACU - Facultative Upland
UPL - Upland
NR - No review
NA - No agreement
NI - No investigation

AMARANTHACEAE – Amaranth Family		
Amaranthus albus	Pigweed Amaranth	FACU
Amaranthus retroflexus	Red-root Pigweed	FACU
Amaranthus blitoides	Mat Amaranth	FACU
Atriplex micrantha	Two-Scale Saltbush	UPL
ASTERACEAE - Sunflower Family		
Centromadia pungens	Common Spikeweed	FAC
Erigeron bonariensis	Flax-leaf Fleabane	FACU
Erigeron canadensis	Canada Horseweed	FACU
Helianthus annuus	Annual Sunflower	FACU
Lactuca serriola	Prickly Lettuce	FACU
Sonchus asper	Spiny Sow Thistle	FAC
BRASSICACEAE - Mustard Family		
Capsella bursa-pastoris	Shepherd's Purse	FACU
Lepidium latifolium	Broadleaved peppergrass	FACW
Sisymbrium irio	London Rocket	UPL
CHENOPODIACEAE – Goosefoot Family		
Bassia hyssopifolia	Five-hook Bassia	FACU
Salsola tragus	Russian Thistle	FACU
CONVOLVULACEAE – Morning Glory Family		
Convolvulus arvensis	Field Bindweed	UPL
Cressa truxillensis	Alkali Weed	FACW
CYPERACEAE - Sedge Family		
Schoenus nigricans	Black Bog-Rush	OBL
FABACEAE- Legume Family		
Medicago sativa	Alfalfa	UPL
Tritifolium fragiferum	Strawberry Clover	FACU
LEMNACEAE- Duckweed Family		
Lemna minor	Common Duckweed	OBL
MALVACEAE – Mallow Family		
Abutilon theophrasti	Velvet Leaf	UPL
Gossypium spp.	Cultivated Cotton	UPL
Malva parviflora	Cheeseweed	UPL

PLANTAGINACEAE – Plantain Family		
Plantago major	Broadleaf Plaintain	FAC
POACEAE - Grass Family		
Bromus diandrus	Ripgut	UPL
Cynodon dactylon	Bermuda Grass	FACU
Echinochloa crus-galli	Barnyard Grass	FACW
Distichlis spicata	Saltgrass	FAC
Leptochloa fusca ssp. *fascicularis*	Bearded Sprangletop	FACW
Polypogon monspeliensis	Rabbit's Foot Grass	FACW
Sorghum halepense	Johnsongrass	FACU
POLYGONACEAE - Buckwheat Family		
Rumex crispus	Curly Dock	FAC
PONTEDERIACEAE – Pickerel-Weed Family		
Pontederia crassipes	Water Hyacinth	OBL
PORTULACEAE- Purslane Family		
Portulaca oleracea	Common Purslane	FAC
ZYGOPHYLLACEAE- Caltrop Family		
Tribulus terrestris	Puncture Vine	UPL

APPENDIX B: TERRESTRIAL VERTEBRATE SPECIES THAT POTENTIALLY OCCUR ON THE PROJECT SITE

APPENDIX B: TERRESTRIAL VERTEBRATE SPECIES THAT POTENTIALLY OCCUR ON THE PROJECT SITE

The species listed below are those that may reasonably be expected to use the project site routinely or from time to time. The list was not intended to include birds that are vagrants or occasional transients. Terrestrial vertebrate species observed on or adjacent to the project site during surveys conducted by Live Oak Associates, Inc. on September 8 and 22, 2023 have been noted with an asterisk.

CLASS: AMPHIBIA (Amphibians)
ORDER: SALIENTIA (Frogs and Toads)
FAMILY: BUFONIDAE (True Toads)
Western Toad (*Bufo boreas*)
FAMILY: HYLIDAE (Treefrogs and relatives)
Sierran Treefrog (*Pseudacris sierra*)
FAMILY: RANIDAE (True Frogs)
Bullfrog (*Lithobates catesbeianus*)

CLASS: REPTILIA (Reptiles)
ORDER: SQUAMATA (Lizards and Snakes)
SUBORDER: SAURIA (Lizards)
FAMILY: PHRYNOSOMATIDAE
Western Fence Lizard (*Sceloporus occidentalis*)
Side-blotched Lizard (*Uta stansburiana*)
SUBORDER: SERPENTES (Snakes)
FAMILY: COLUBRIDAE (Colubrids)
Pacific Gopher Snake (*Pituophis catenifer catenifer*)
Common Kingsnake (*Lampropeltis getulus*)
Common Garter Snake (*Thamnophis sirtalis*)
FAMILY: VIPERIDAE (Vipers)
Western Rattlesnake (*Crotalus viridis*)

CLASS: AVES (Birds)
ORDER: PELECANIFORMES (Tropicbirds, Pelecans and Relatives)
FAMILY: PHALACROCORACIDAE (Cormorants)
Double-Crested Cormorant (*Phalacrocorax auritus*)
FAMILY: THRESKIORNITHIDAE (Ibises and Spoonbills)
White Faced Ibis *(Plegadis chihi)*
ORDER: CICONIIFORMES (Herons, Storks, Ibises and Relatives)
FAMILY: ARDEIDAE (Herons and Bitterns)
Great Blue Heron (*Ardea herodias*)
Snowy Egret (*Egretta thula*)
*Great Egret (*Ardea alba*)
ORDER: FALCONIFORMES (Vultures, Hawks, and Falcons)
FAMILY: CATHARTIDAE (American Vultures)
Turkey Vulture (*Cathartes aura*)

ORDER: ANSERIFORMES (Screamers, Ducks and Relatives)
FAMILY: ANATIDAE (Swans, Geese and Ducks)
Canada Goose (*Branta canadensis*)
Mallard (*Anas platyrhynchos*)
Ring-necked Duck (*Aythya collaris*)
Common Goldeneye (*Bucephala clangula*)
Common Merganser (*Mergus merganser*)
Ruddy Duck (*Oxyura jamaicensis*)
FAMILY: ACCIPITRIDAE (Hawks, Old World Vultures, and Harriers)
*Northern Harrier (*Circus cyaneus)*
Swainson's Hawk (*Buteo swainsoni*)
*Red-tailed Hawk (*Buteo jamaicensis*)
FAMILY: FALCONIDAE (Caracaras and Falcons)
American Kestrel (*Falco sparverius*)
ORDER: PODICIPEDIFORMES (Grebes and Relatives)
FAMILY: PODICIPEDIDAE (Grebes)
Pied-billed Grebe (*Podilymbus podiceps*)
Eared Grebe (*Podiceps nigricollis*)
ORDER: GRUIFORMES (Cranes, Rails and Relatives
FAMILY: RALLIDAE (Rails, Gallinules, and Coots)
American Coot (*Fulica Americana*)
ORDER: CHARADRIIFORMES (Shorebirds, Gulls, and relatives)
FAMILY: CHARADRIIDAE (Plovers and relatives)
*Killdeer (*Charadrius vociferus*)
FAMILY: LARIDAE (Skuas, Gulls, Terns and Skimmers)
Ring-billed Gull (*Larus delawarensis*)
California Gull (*Larus californicus*)
FAMILY: SCOLOPACIDAE (Sandpipers, Curlews, Snipes, and Waders)
*Long-billed Curlew *(Numenius americanus)*
ORDER: COLUMBIFORMES (Pigeons and Doves)
FAMILY: COLUMBIDAE (Pigeons and Doves)
*Mourning Dove (*Zenaida macroura*)
*Eurasian Collared-Dove (*Streptopelia decaocto*)
*Rock Pigeon (*Columba livia*)
ORDER: STRIGIFORMES (Owls)
FAMILY: TYTONIDAE (Barn Owls)
Barn Owl (*Tyto alba*)
FAMILY: STRIGIDAE (Typical Owls)
Great Horned Owl (*Bubo virginianus*)
ORDER: APODIFORMES (Swifts and Hummingbirds)
FAMILY: TROCHILIDAE (Hummingbirds)
Black-chinned Hummingbird (*Archilochus alexandri*)
Anna's Hummingbird (*Calypte anna*)
Rufous Hummingbird (*Selasphorus rufus*)
ORDER: CORACIIFORMES (Kingfishers and Relatives)
ORDER: PICIFORMES (Woodpeckers and Relatives)

FAMILY: PICIDAE (Woodpeckers and Wrynecks)
Northern Flicker (*Colaptes auratus*)
ORDER: PASSERIFORMES (Perching Birds)
FAMILY: TYRANNIDAE (Tyrant Flycatchers)
Black Phoebe (*Sayornis nigricans*)
Say's Phoebe (*Sayornis saya*)
Western Kingbird (*Tyrannus verticalis*)
FAMILY: LANIIDAE (Shrikes)
Loggerhead Shrike (*Lanius ludovicianus*)
FAMILY: CORVIDAE (Jays, Magpies, and Crows)
*California Scrub Jay (*Aphelocoma calfornica*)
*American Crow (*Corvus brachyrhynchos*)
Common Raven (*Corvus corax*)
FAMILY: ALAUDIDAE (Larks)
Horned Lark (*Eremophila alpestris*)
FAMILY: HIRUNDINIDAE (Swallows)
Tree Swallow (*Tachycineta bicolor*)
Northern Rough-winged Swallow (*Stelgidopteryx serripennis*)
Cliff Swallow (*Hirundo pyrrhonota*)
*Barn Swallow (*Hirundo rustica*)
FAMILY: AEGITHALIDAE
Bushtit (*Psaltriparus minimus*)
FAMILY: TROGLODYTIDAE (Wrens)
House Wren (*Troglodytes aedon*)
FAMILY: REGULIDAE (Kinglets)
Ruby-crowned Kinglet (*Regulus calendula*)
FAMILY: TURDIDAE
American Robin (*Turdus migratorius*)
Western Bluebird (*Sialia mexicana*)
FAMILY: MIMIDAE (Mockingbirds and Thrashers)
*Northern Mockingbird (*Mimus polyglottos*)
FAMILY: STURNIDAE (Starlings)
European Starling (*Sturnus vulgaris*)
FAMILY: MOTACILLIDAE (Wagtails and Pipits)
American Pipit (*Anthus rubrescens*)
FAMILY: PARULIDAE (Wood Warblers and Relatives)
*Common Yellowthroat *(Geothlypis trichas)*
Yellow-rumped Warbler (*Dendroica coronata*)
FAMILY: EMBERIZIDAE (Sparrows and Relatives)
Song Sparrow (*Melospiza melodia*)
Savannah Sparrow (*Passerculus sandwichensis*)
White-crowned Sparrow (*Zonotrichia leucophrys*)
FAMILY: ICTERIDAE (Blackbirds, Orioles and Allies)
*Red-winged Blackbird (*Agelaius phoeniceus*)
Tricolored Blackbird (*Agelaius tricolor*)
*Western Meadowlark (*Sturnella neglecta*)

*Brewer's Blackbird (*Euphagus cyanocephalus*)
Great-Tailed Grackle (*Quiscalus mexicanus*)
*Brown-headed Cowbird (*Molothrus ater*)
Bullock's Oriole (*Icterus bullockii*)
FAMILY: PASSERIDAE (Old World Sparrows)
*House Sparrow (*Passer domesticus*)
FAMILY: FRINGILLIDAE (Finches)
*House Finch (*Carpodacus mexicanus*)
Lesser Goldfinch (*Carduelis psaltria*)

CLASS: MAMMALIA (Mammals)
ORDER: DIDELPHIMORPHIA (Marsupials)
FAMILY: DIDELPHIDAE (Opossums)
Virginia Opossum (*Didelphis virginiana*)
ORDER: INSECTIVORA (Shrews and Moles)
FAMILY: TALPIDAE (Moles)
Broad-footed Mole (*Scapanus latimanus*)
ORDER: CHIROPTERA (Bats)
FAMILY: PHYLLOSTOMIDAE (Leaf-nosed Bats)
Southern Long-nosed Bat (*Leptonycteris curasoae*)
FAMILY: VESPERTILIONIDAE (Evening Bats)
Yuma Myotis (*Myotis yumanensis*)
California Myotis (*Myotis californicus*)
Western Pipistrelle (*Pipistrellus hesperus*)
Big Brown Bat (*Eptesicus fuscus*)
Pale Big-eared Bat (*Corynorhinus townsendii pallescens*)
FAMILY: MOLOSSIDAE (Free-tailed Bat)
Brazilian Free-tailed Bat (*Tadarida brasiliensis*)
ORDER: LAGOMORPHA (Rabbits, Hares, and Pikas)
FAMILY: LEPORIDAE (Rabbits and Hares)
Audubon's Cottontail (*Sylvilagus audubonii*)
ORDER: RODENTIA (Rodents)
FAMILY: SCIURIDAE (Squirrels, Chipmunks, and Marmots)
*California Ground Squirrel (*Spermophilus beecheyi*)
FAMILY: GEOMYIDAE (Pocket Gophers)
*Botta's Pocket Gopher (*Thomomys bottae*)
FAMILY: CRICETIDAE (Wood Rats, Deer Mice, and Voles)
Western Harvest Mouse (*Reithrodontomys megalotis*)
Deer Mouse (*Peromyscus maniculatus*)
FAMILY: MURIDAE (Old World Rats and Mice)
Norway Rat (*Rattus norvegicus*)
House Mouse (*Mus musculus*)
ORDER: CARNIVORA (Carnivores)
FAMILY: CANIDAE (Foxes, Wolves, and relatives)
Coyote (*Canis latrans*)
*Domestic Dog (*Canis lupus familiaris*)

FAMILY: PROCYONIDAE (Raccoons and relatives)
Raccoon (*Procyon lotor*)
FAMILY: MEPHITIDAE (Skunks)
Striped Skunk (*Mephitis mephitis*)

APPENDIX C: SELECTED SITE PHOTOGRAPHS



Photo 1: Alfalfa field where two burrowing owls were spotted. Looking northeast.



Photo 2: Facing west. Alfalfa field to the south, disced field to the north.



Photo 3: Facing south. Proposed San Luis Canal outlet locations. San Luis Drain to the east (left), Santa Fe Canal to the West (right).



Photo 4: Facing North. Proposed spill outlet to northwest pond and Santa Fe Canal inlet location. Example of burrows at proposed build site.



Photo 5: Facing west. Possible location of San Luis Canal inlet featuring burrow immediately left of safety vest.



Photo 6: Facing west. Second view of possible San Luis Canal inlet featuring San Luis Canal.



Photo 7: Example of irrigation infrastructure on the site.



Photo 8: Burrows by San Luis Canal.



Photo 9: Burrows along roadside and disced field.





Photos 10 & 11: More burrow examples

APPENDIX D: USFWS INFORMATION FOR PLANNING AND CONSULTATION UNOFFICIAL SPECIES LIST

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.

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Location

Merced County, California



Local office

Sacramento Fish And Wildlife Office

(916) 414-6600
(916) 414-6713

Federal Building

Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

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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[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).

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2. NOAA Fisheries, 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 Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5150	Endangered
San Joaquin Kit Fox Vulpes macrotis mutica Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2873	Endangered

Birds

NAME	STATUS
California Condor Gymnogyps californianus There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/8193	Endangered

Reptiles

NAME	STATUS
Blunt-nosed Leopard Lizard Gambelia silus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/625	Endangered
Giant Garter Snake Thamnophis gigas Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4482	Threatened

Amphibians

NAME	STATUS

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NAME	STATUS
California Tiger Salamander Ambystoma californiense There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/2076	Threatened

Insects

NAME	STATUS
Monarch Butterfly Danaus plexippus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9743	Candidate
Valley Elderberry Longhorn Beetle Desmocerus californicus dimorphus Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/7850	Threatened

Crustaceans

NAME	STATUS
Vernal Pool Fairy Shrimp Branchinecta lynchi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/498	Threatened
Vernal Pool Tadpole Shrimp Lepidurus packardi Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/2246	Endangered

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.

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You are still required to determine if your project(s) may have effects on all above listed species.

Bald & Golden Eagles

There are no documented cases of eagles being present at this location. However, if you believe eagles may be using your site, please reach out to the local Fish and Wildlife Service office.

Additional information can be found using the following links:

- Eagle Managment https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

Bald and Golden Eagle information is not available at this time

What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets 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 (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) 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 Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid

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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 (Eagle Act 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 Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

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 https://www.fws.gov/program/migratory-birds/species
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf

Migratory bird information is not available at this time

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

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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 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 list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) 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 Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets 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 (Eagle Act 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 Rapid Avian Information Locator (RAIL) Tool.

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 Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

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 or migrating in my 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 query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. 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 Birds of Conservation Concern (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

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3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act 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 Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit 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.

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Facilities

Wildlife refuges and fish hatcheries

Refuge and fish hatchery information is not available at this time

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands 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.S. Army Corps of Engineers District.

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

R4SBCx

A full description for each wetland code can be found at the National Wetlands Inventory website

NOTE: This initial screening does **not** replace an on-site delineation to determine whether wetlands occur. Additional information on the NWI data is provided below.

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

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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.

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Appendix C: Phase I Survey

PHASE I SURVEY, LOS BANOS RECHARGE AND STORMWATER CAPTURE PROJECT, MERCED COUNTY, CALIFORNIA

Prepared for:

Ms. Amy Wilson
Provost and Pritchard Consulting Group.
130 N. Garden Street
Visalia, CA 93291-6362

Prepared by:

Peter A. Carey, M.A., RPA
Principal Investigator

Robert Azpitarte, B.A.
Associate Archaeologist

ASM Affiliates
4800 Stockdale Hwy., Suite 405
Bakersfield, California 93309

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PN 36510.45

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MANAGEMENT SUMMARY

An intensive Phase I survey was conducted for the Los Banos Recharge and Stormwater Capture Project (Project), Merced County, California. The purpose of the Project is to construct a multi-celled detention basin to benefit stormwater capture, flood protection, groundwater recharge, wildlife refuge water supply flexibility, groundwater quality and quantity improvements. ASM Affiliates, conducted this study, with Peter A. Carey, M.A., RPA, serving as Principal Investigator. The study was undertaken to assist with compliance with the California Environmental Quality Act (CEQA).

The Area of Potential Effect (APE) was defined as the area of potential ground surface disturbance for the construction of the multi-celled detention basin, including access, work, lay-down, and staging areas. The Project horizontal APE totals approximately 180-acres (ac); the vertical APE, defined as the maximum depth of excavation, is approximately 6-feet (ft).

A records search of site files and maps was obtained from the Central California Information Center (CCIC), California State University, Stanislaus. According to the CCIC, 5 previous surveys had been completed within the APE, and no previously recorded resource are known to exist within it. An additional 6 previous surveys had been completed within a half mile radius of the APE, and 16 previously recorded resources had been recorded within that same radius.

A *Sacred Lands File* search was requested from the Native American Heritage Commission (NAHC) and the results were negative for tribal cultural resources and sacred sites. Project notification letters were sent to tribes listed on the NAHC provided contact list with follow up emails sent after 30 days. Two responses were received to the notification letters. The Table Mountain Rancheria responded expressing interest in the project and requesting the results of the records search and cultural resource report, once completed. The Santa Rosa Rancheria Tachi Yokut Tribe responded requesting the following:

- The site records that came up due to the archaeological records search;
- The survey results once the survey is completed;
- An SLF search through the NAHC and the results if one has not been completed yet;
- To be retained for a Cultural Presentation;
- To have a Curation Agreement in place for this project;
- To have an archaeologist on site for all ground disturbance and to have their daily monitoring logs sent to us at the end of every day;
- To have a Tribal monitoring contract in place to allow the Tribe to provide a monitor for the project when we are able to; and,
- To be notified of any discoveries made in relation to the project.

The Phase I survey fieldwork was conducted in January 2024, with parallel transects spaced at 15-meter (m) intervals walked along the approximately 180-ac APE. Ground visibility within the APE was fair to poor. There was approximately 50 to 60 percent ground visibility in the southern half of the APE and between 20 and 25 percent ground visibility in the northern half. A good faith

effort was made to survey as much open and visible ground as possible. No cultural resources were identified as a result of the Phase I Survey.

While the Phase I survey of the Los Banos Recharge and Stormwater Capture Project APE did not result in the identification of cultural resources, the geoarchaeological sensitivity and knowledge of sensitive resources in the vicinity of the APE suggests that encountering cultural resources during project implementation is possible. Therefore, a series of mitigation measures are recommended to ensure there is no significant impact to cultural resources as a result of project construction. The mitigation measures take into account the requests made by the Santa Rosa Rancheria Tachi Yokut Tribe in response to the project notification letter and are intended to ensure that if any cultural resources are encountered during project construction that they are treated in a respectful and timely manner. With that in mind, ASM recommends:

- All construction personnel take a Cultural Resources Awareness Training (CRAT) given by a qualified archaeologist in order to become familiar with the types of cultural artifacts that exist in the vicinity of the APE and could potentially be uncovered.
- A curation agreement be put in place prior to project implementation.
- An archaeological monitor and tribal monitor be retained to monitor all ground disturbing activities within the APE.
- If cultural resources are identified during construction, all work be stopped within 100-ft of the discovery and a qualified archaeologist be contacted to evaluate the find.
- If the find cannot be avoided then additional mitigation may be required, including potential salvage of the find.

1. INTRODUCTION AND REGULATORY CONTEXT

ASM was retained by Provost & Pritchard Consulting Group, Inc. to conduct an intensive Phase I survey for the Los Banos Recharge and Stormwater Capture Project (Project). The proposed Project is located in Section 1, Township 10 South, Range 11 East (T10S/R11E), Mount Diablo Base and Meridian (MDBM) and Sections 1 and 12 (T10S/R10E, MDBM (Figure 1). The study was undertaken to assist with compliance with the California Environmental Quality Act (CEQA). The investigation was conducted, specifically, to ensure that significant impacts historical resources do not occur as a result of project construction.

This current study included:

- A background records search and literature review to determine if any known cultural resources were present in the Project area and/or whether the area had been previously and systematically studied by archaeologists;
- A search of the NAHC *Sacred Lands File* to determine if any known tribal cultural resources or sacred sites were known to exist in the Project area
- An on-foot, intensive inventory of the APE to identify and record previously undiscovered cultural resources and to examine known sites; and
- A preliminary assessment of any such resources found within the subject property.

Peter A. Carey, M.A., RPA, served as Principal Investigator and the fieldwork was conducted by ASM Associate Archaeologist Robert Azpitarte, B.A. with assistance from ASM Assistant Archaeologists Margarita Medina Lemus, B.A., and Alexandra Campbell-Grey, B.A.

This document constitutes a report on the Phase I survey. Subsequent chapters provide background to the investigation, including historic context studies; the findings of the archival records search; a summary of the field surveying techniques employed; and the results of the fieldwork. We conclude with management recommendations for the Project.

1.1 PROJECT LOCATION

The Los Banos Recharge and Stormwater Capture Project is located in Merced County, California. The Project area is located within an agricultural landscape dominated by agricultural fields and irrigation structures. The Project area located just east of the City of Los Banos between the Santa Fe Canal and San Luis Canal.

More generally, the Project area is located on the open flats of the San Joaquin Valley. Elevation within the Project area, which is flat, is approximately 95-ft above mean sea level (amsl).

1.2 PROJECT DESCRIPTION AND APE

The City of Los Banos and Grassland Water District (GWD), in conjunction with Grassland Groundwater Sustainability Agency (GGSA) and the City of Los Banos Groundwater Sustainability Agency (GSA), are proposing the construction of roughly 180-ac of a multi-celled

detention basin with benefits towards stormwater capture, flood protection, groundwater recharge, wildlife refuge water supply flexibility, groundwater quality and quantity improvements for the City of Los Banos.

The proposed Project would construct a recharge and stormwater capture basin with three or more internal cells. The basin would provide multiple benefits in terms of recharge, storage, and re-regulation of various City and GWD water sources. The Project site would be surrounded with low lying embankments to contain the water supplies. The site would be separated into multiple cells with an interconnection between the cells.

The Area of Potential Effect (APE) was defined as the area of potential ground surface disturbance for the construction of the multi-celled detention basin, including access, work, lay-down, and staging areas. The Project horizontal APE totals approximately 180-ac; the vertical APE, defined as the maximum depth of excavation, is approximately 6-ft.

1.3 REGULATORY CONTEXT

1.3.1 California Environmental Quality Act

CEQA is applicable to discretionary actions by state or local lead agencies. Under CEQA, lead agencies must analyze impacts to cultural resources. Significant impacts under CEQA occur when "historically significant" or "unique" cultural resources are adversely affected, which occurs when such resources could be altered or destroyed through project implementation. Historically significant cultural resources are defined by eligibility for or by listing in the CRHR. In practice, the federal NRHP criteria (below) for significance applied under Section 106 are generally (although not entirely) consistent with CRHR criteria (see PRC § 5024.1, Title 14 CCR, Section 4852 and § 15064.5(a)(3)).

Significant cultural resources are those archaeological resources and historical properties that:

> (A) Are associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
>
> (B) Are associated with the lives of persons important in our past;
>
> (C) Embody the distinctive characteristics of a type, period, region, or method of construction, or represent the work of an important creative individual, or possess high artistic values; or
>
> (D) Have yielded, or may be likely to yield, information important in prehistory or history.

Unique resources under CEQA, in slight contrast, are those that represent:

> An archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:
>
> (1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.

(2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.

(3) Is directly associated with a scientifically recognized important prehistoric or historic event or person (PRC § 21083.2(g)).

Preservation in place is the preferred approach under CEQA to mitigating adverse impacts to significant or unique cultural resources.

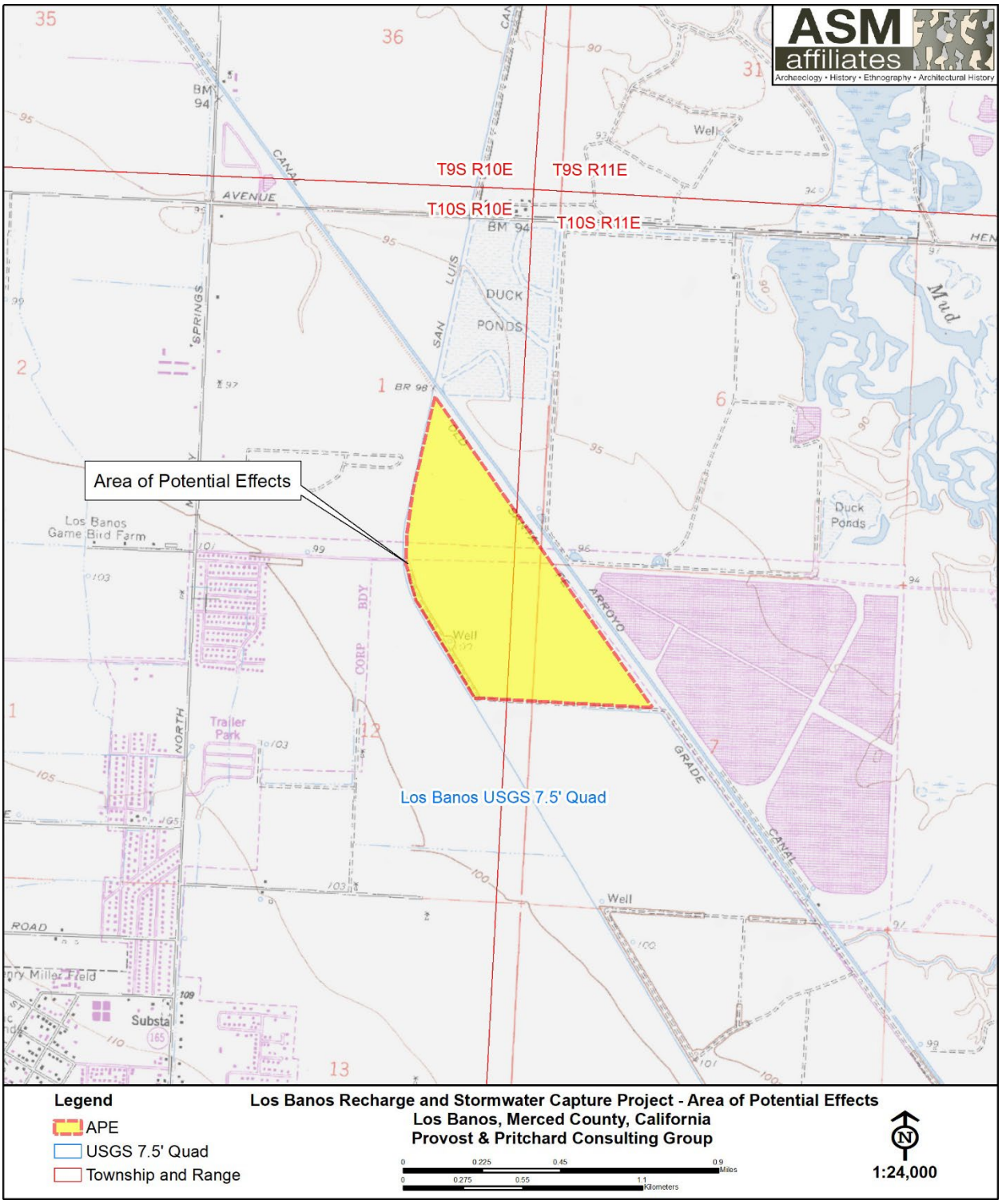


Figure 1. Location of the Los Banos Recharge and Stormwater Capture Project, Merced County, California.

2. ENVIRONMENTAL AND CULTURAL BACKGROUND

2.1 ENVIRONMENTAL BACKGROUND AND GEOARCHAEOLOGICAL SENSITIVITY

As noted above, the Project APE is located on the open flats of the San Joaquin Valley west of the San Joaquin River at an approximate elevation of 95-ft amsl. The Project is located immediately east of the city of Los Banos.

Prior to the appearance of agriculture, starting in the nineteenth century, this area would have been prairie grasslands and riparian environments along creeks and sloughs (Preston 1981). The Project area and immediate surroundings have been farmed and grazed for many years and no native vegetation is present. Perennial bunchgrasses such as purple needlegrass (*Stipa pulchra*) and nodding needlegrass (*Stipa cernua*) most likely would have been the dominant plant cover in the vicinity prior to cultivation.

A Caltrans District 10 geoarchaeological study that includes the Project area provides a guide for the likelihood of subsurface archaeological deposits within the Project APE (Rosenthal and Meyer 2004). The study aimed to determine the age and depositional history of major landforms in District 10 by combining a synthesis of published paleontological, soils and archaeological chronometric dates with geoarchaeological field testing. The ages of surface landforms were then mapped to provide an assessment for the potential for buried archaeological deposits. These ages were derived primarily from the Soil Survey Geographic Database (SSURGO) and the State Soils Geographic (STATSGO) databases. Rosenthal and Meyer (2004) created a map utilizing this information that ranked locations in 7 ordinal classes from Very Low to Very High for their sensitivity for buried soils. This map can be employed to provide a general measure of the potential for buried archaeological deposits in any given location within Caltrans District 10.

The Project area is located in Merced County to the east of the San Joaquin River. According to the Rosenthal and Meyer (2004) model, the potential for buried archaeological deposits in the Project APE is primarily classified as High for containing Middle to Late Holocene (4,000-2,000 cal BP) archaeological deposits. Buried sites and cultural resources therefore, can be considered possible within the Project APE.

2.2 ETHNOGRAPHIC BACKGROUND

Penutian-speaking Yokuts tribal groups occupied the southern San Joaquin Valley region and much of the nearby Sierra Nevada. Ethnographic information about the Yokuts was collected primarily by Powers (1971, 1976 [originally 1877]), Kroeber (1925), Gayton (1930, 1948), Driver (1937), Latta (1977) and Harrington (n.d.). For a variety of historical reasons, existing research information emphasizes the central Yokuts tribes who occupied both the valley and particularly the foothills of the Sierra. The northernmost tribes suffered from the influx of Euro-Americans during the Gold Rush and their populations were in substantial decline by the time ethnographic

studies began in the early twentieth century. In contrast, the southernmost tribes were partially removed by the Spanish to missions and eventually absorbed into multi-tribal communities on the Sebastian Indian Reservation (on Tejon Ranch), and later the Tule River Reservation and Santa Rosa Rancheria to the north. The result is an unfortunate scarcity of ethnographic detail on southern Valley tribes, especially in relation to the rich information collected from the central foothills tribes where native speakers of the Yokuts dialects are still found. Regardless, the general details of indigenous life-ways were similar across the broad expanse of Yokuts territory, particularly in terms of environmentally influenced subsistence and adaptation and with regard to religion and belief, which were similar everywhere.

According to a report prepared by Scientific Resource Surveys, Inc. (1979), the APE is located in *Kahwatchuan* Yokut territory (*Kah-watch-wah* in Powell 2023). As discussed briefly above, there is a dearth of knowledge on the location of ethnographic villages for Northern Valley Yokuts. Neither Kroeber (1925) nor Wallace (1978) list any ethnographic villages in the vicinity of the APE. Powell (2023) identifies *Katomah* as the nearest village to the APE to the north of Los Banos. Work conducted by Scientific Resources Surveys, Inc. (1979) also identifies a village site just over 1-mi southeast of the southeast corner of the current APE on the banks of Mud Slough. This site and nearby sites are further discussed in the following Chapter.

The Yokuts settlement pattern was largely consistent, regardless of specific tribe involved. Winter villages were typically located along lakeshores and major stream courses (as these existed circa AD 1800), with dispersal phase family camps located at elevated spots on the valley floor and near gathering areas in the foothills.

Most Yokuts groups, again regardless of specific tribal affiliation, were organized as a recognized and distinct tribelet; a circumstance that almost certainly pertained to the tribal groups noted above. Tribelets were land-owning groups organized around a central village and linked by shared territory and descent from a common ancestor. The population of most tribelets ranged from about 150 to 500 peoples (Kroeber 1925).

Each tribelet was headed by a chief who was assisted by a variety of assistants, the most important of whom was the *winatum*, a herald or messenger and assistant chief. A shaman also served as religious officer. While shamans did not have any direct political authority, as Gayton (1930) has illustrated, they maintained substantial influence within their tribelet.

Shamanism is a religious system common to most Native American tribes. It involves a direct and personal relationship between the individual and the supernatural world enacted by entering a trance or hallucinatory state (usually based on the ingestion of psychotropic plants, such as jimsonweed or more typically native tobacco). Shamans were considered individuals with an unusual degree of supernatural power, serving as healers or curers, diviners, and controllers of natural phenomena (such as rain or thunder). Shamans also produced the rock art of this region, depicting the visions they experienced in vision quests believed to represent their spirit helpers and events in the supernatural realm (Whitley 1992, 2000).

The centrality of shamanism to the religious and spiritual life of the Yokuts was demonstrated by the role of shamans in the yearly ceremonial round. The ritual round, performed the same each

year, started in the spring with the jimsonweed ceremony, followed by rattlesnake dance and (where appropriate) first salmon ceremony. After returning from seed camps, fall rituals began in the late summer with the mourning ceremony, followed by first seed and acorn rites and then bear dance (Gayton 1930:379). In each case, shamans served as ceremonial officials responsible for specific dances involving a display of their supernatural powers (Kroeber 1925).

Subsistence practices varied from tribelet to tribelet based on the environment of residence. Throughout Native California, and Yokuts territory in general, the acorn was a primary dietary component, along with a variety of gathered seeds. Valley tribes augmented this resource with lacustrine and riverine foods, especially fish and wildfowl. As with many Native California tribes, the settlement and subsistence rounds included the winter aggregation into a few large villages, where stored resources (like acorns) served as staples, followed by dispersal into smaller camps, often occupied by extended families, where seasonally available resources would be gathered and consumed.

Although population estimates vary and population size was greatly affected by the introduction of Euro-American diseases and social disruption, the Yokuts were one of the largest, most successful groups in Native California. Cook (1978) estimates that the Yokuts region contained 27 percent of the aboriginal population in the state at the time of contact; other estimates are even higher. Many Yokuts people continue to reside in the southern San Joaquin Valley today.

2.3 PRE-CONTACT ARCHAEOLOGICAL BACKGROUND

The southern San Joaquin Valley region has received minimal archaeological attention compared to other areas of the state. In part, this is because the majority of California archaeological work has concentrated in the Sacramento Delta, Santa Barbara Channel, and central Mojave Desert areas (see Moratto 1984). Although knowledge of the region's prehistory is limited, enough is known to determine that the archaeological record is broadly similar to south-central California as a whole (see Gifford and Schenk 1926; Hewes 1941; Wedel 1941; Fenenga 1952; Elsasser 1962; Fredrickson and Grossman 1977; Schiffman and Garfinkel 1981). Based on these sources, the general prehistory of the region can be outlined as follows.

Initial occupation of the region occurred at least as early as the *Paleoindian Period*, or prior to about 10,000 years before present (YBP). Evidence of early use of the region is indicated by characteristic fluted and stemmed points found around the margin of Tulare Lake, in the foothills of the Sierra, and in the Mojave Desert proper.

Both fluted and stemmed points are particularly common around lake margins, suggesting a terminal Pleistocene/early Holocene lakeshore adaptation similar to that found throughout the far west at the same time; little else is known about these earliest peoples. Over 250 fluted points have been recovered from the Witt Site (CA-KIN-32), located along the western shoreline of ancient Tulare Lake a distance south of the Project area, demonstrating the importance of this early occupation in the San Joaquin Valley specifically (see Fenenga 1993). Additional finds consist of a Clovis-like projectile point discovered in a flash-flood cut-bank near White Oak Lodge in 1953 on Tejon Ranch (Glennan 1987a, 1987b). More recently, a similar fluted point was found near Bakersfield (Zimmerman et al. 1989), and a number are known from the Edwards Air Force Base

and Boron area of the western Mojave Desert. Although human occupation of the state is well-established during the Late Pleistocene, relatively little can be inferred about the nature and distribution of this occupation with a few exceptions. First, little evidence exists to support the idea that people at that time were big-game hunters, similar to those found on the Great Plains. Second, the western Mojave Desert evidence suggests small, very mobile populations that left a minimal archaeological signature. The evidence from the ancient Tulare Lake shore, in contrast, suggests much more substantial population and settlements which, instead of relying on big game hunting, were tied to the lacustrine lake edge. Variability in subsistence and settlement patterns is thus apparent in California, in contrast to the Great Plains.

Substantial evidence for human occupation across California, however, first occurs during the middle Holocene, roughly 7,500 to 4,000 YBP. This period is known as the *Early Horizon*, or alternatively as the Early Millingstone along the Santa Barbara Channel. In the south, populations concentrated along the coast with minimal visible use of inland areas. Adaptation emphasized hard seeds and nuts with tool-kits dominated by mullers and grindstones (manos and metates). Additionally, little evidence for Early Horizon occupation exists in most inland portions of the state, partly due to a severe cold and dry paleoclimatic period occurring at this time, although a site deposit dating to this age has been identified along the ancient Buena Vista shoreline in Kern County to the south (Rosenthal et al. 2007). Regardless of specifics, Early Horizon population density was low with a subsistence adaptation more likely tied to plant food gathering than hunting.

Environmental conditions improved dramatically after about 4,000 YBP during the *Middle Horizon* (or Intermediate Period). This period is known climatically as the Holocene Maximum (circa 3,800 YBP) and was characterized by significantly warmer and wetter conditions than previously experienced. It was marked archaeologically by large population increase and radiation into new environments along coastal and interior south-central California and the Mojave Desert (Whitley 2000). In the Delta region to the north, this same period of favorable environmental conditions was characterized by the appearance of the Windmiller culture which exhibited a high degree of ritual elaboration (especially in burial practices) and perhaps even a rudimentary mound-building tradition (Meighan, personal communication, 1985). Along with ritual elaboration, Middle Horizon times experienced increasing subsistence specialization, perhaps correlating with the appearance of acorn processing technology. Penutian speaking peoples (including the Yokuts) are also posited to have entered the state roughly at the beginning of this period and, perhaps to have brought this technology with them (cf. Moratto 1984). Likewise, it appears the so-called "Shoshonean Wedge" in southern California, the Takic speaking groups that include the Gabrielino/Fernandeño, Tataviam and Kitanemuk, may have moved into the region at that time (Sutton 2009, rather than at about 1,500 YBP as first suggested by Kroeber (1925).

Evidence for Middle Horizon occupation of interior south-central California is substantial. For example, in northern Los Angeles County along the upper Santa Clara River, to the south of the San Joaquin Valley, the Agua Dulce village complex indicates occupation extending back to the Intermediate Period, when the population of the village may have been 50 or more people (King et al n.d.). Similarly, inhabitation of the Hathaway Ranch region near Lake Piru, and the Newhall Ranch near Valencia, appears to date to the Intermediate Period (W&S Consultants 1994). To the west, little or no evidence exists for pre-Middle Horizon occupation in the upper Sisquoc and Cuyama River drainages; populations first appear there at roughly 3,500 YBP (Horne 1981). The

Carrizo Plain, the valley immediately west of the San Joaquin, experienced a major population expansion during the Middle Horizon (W & S Consultants 2004; Whitley et al. 2007), and recently collected data indicates the Tehachapi Mountains region was first significantly occupied during the Middle Horizon (W&S Consultants 2006). A parallel can be drawn to the inland Ventura County region where a similar pattern has been identified (Whitley and Beaudry 1991), as well as the western Mojave Desert (Sutton 1988a, 1988b), the southern Sierra Nevada (W&S Consultants 1999), and the Coso Range region (Whitley et al. 1988). In all of these areas a major expansion in settlement, the establishment of large site complexes and an increase in the range of environments exploited appear to have occurred sometime roughly around 4,000 years ago. Although most efforts to explain this expansion have focused on local circumstances and events, it is increasingly apparent this was a major southern California-wide occurrence, and any explanation must be sought at a larger level of analysis (Whitley 2000). Additionally, evidence from the Carrizo Plain suggests the origins of the tribelet level of political organization developed during this period (W&S Consultants 2004; Whitley et al. 2007). Whether this same demographic process holds for the southern San Joaquin Valley, including the study area, is yet to be determined.

The beginning of the *Late Horizon* is set variously at 1,500 and 800 YBP, with a growing archaeological consensus for the shorter chronology. Increasing evidence suggests the importance of the Middle-Late Horizons transition (AD 800 to 1200) in the understanding of south-central California prehistory. This corresponds to the so-called Medieval Climatic Anomaly, followed by the Little Ice Age, and this general period of climatic instability extended to about A.D. 1860. It included major droughts matched by intermittent "mega-floods," and resulted in demographic disturbances across much of the west (Jones et al. 1999). It is believed to have resulted in major population decline and abandonments across south-central California, involving as much as 90% of the interior populations in some regions, including the Carrizo Plain (Whitley et al. 2007). It is not clear whether site abandonment was accompanied by a true reduction in population or an agglomeration of the same numbers of peoples into fewer but larger villages in more favorable locations. Population along the Santa Barbara coast appears to have spiked at about the same time that it collapsed on the Carrizo Plain (ibid). Along Buena Vista Lake, in Kern County to the south, population appears to have been increasingly concentrated towards the later end of the Medieval Climatic Anomaly (Culleton 2006), and population intensification also appears to have occurred in the well-watered Tehachapi Mountains during this same period (W&S Consultants 2006).

What is then clear is that Middle Period villages and settlements were widely dispersed across the south-central California landscape, including in the Sierras and the Mojave Desert. Many of these sites are found at locations that lack existing or known historical fresh water sources. Late Horizon sites, in contrast, are typically concentrated in areas where fresh water was available during the historical period, if not currently.

One extensively studied site that shows evidence of intensive occupation during the Middle-Late Horizons transition (~1,500 – 500 YBP) is the Redtfeldt Mound (CA-KIN-66/H), located south of the Project area, near the north shore of ancient Tulare Lake and Lemoore. There, Siefkin (1999) reported on human burials and a host of artifacts and ecofacts excavated from a modest-sized mound. He found that both Middle Horizon and Middle-Late Horizons transition occupations were more intensive than Late Horizon occupations, which were sporadic and less intensive (Siefkin 1999:110-111).

The Late Horizon can then be understood as a period of recovery from a major demographic collapse. One result is the development of regional archaeological cultures as the precursors to ethnographic Native California; suggesting that ethnographic life-ways recorded by anthropologists extend roughly 800 years into the past.

The position of San Joaquin Valley prehistory relative to patterns seen in surrounding areas is still somewhat unknown. The presence of large lake systems in the valley bottoms appears to have mediated some of the desiccation seen elsewhere. But, as the reconstruction of Soda Lake in the nearby Carrizo Plain demonstrates (see Whitley et al. 2007) environmental perturbations had serious impacts on lake systems too. Identifying certain of the prehistoric demographic trends for the San Joaquin Valley and determining how these trends (if present) correlate with those seen elsewhere, is a current important research objective.

2.4 HISTORICAL BACKGROUND

Spanish explorers first visited the San Joaquin Valley in 1772, but its lengthy distance from the missions and presidios along the Pacific Coast delayed permanent settlement for many years, including during the Mexican period of control over the Californian region. In the 1840s, Mexican rancho owners along the Pacific Coast allowed their cattle to wander and graze in the San Joaquin Valley (JRP Historical Consulting 2009). The Mexican government granted the first ranchos in the of the San Joaquin Valley in the early 1840s. For instance, the nearly 50,000-ac *Rancho Sanjon de Santa Rit*a, on the east side of the San Joaquin River to the west and southwest of the Project area, was granted in 1841 by Governor Juan Alvarado to Francisco Maria Soberanes. Though a number of these large ranchos were granted throughout the valley in the early 1840s, it was not until the annexation of California in 1848 that the exploitation of the southern San Joaquin Valley began (Pacific Legacy 2006).

The discovery of gold in northern California in 1848 resulted in a dramatic increase of population, consisting in good part of fortune seekers and gold miners, who began to scour other parts of the state. After 1851, when gold was discovered in the Sierra Nevada Mountains in eastern Kern County, the population of the area grew rapidly. Some new immigrants began ranching in the San Joaquin Valley to supply the miners and mining towns. Ranchers grazed cattle and sheep, and farmers dry-farmed or used limited irrigation to grow grain crops, leading to the creation of small agricultural communities throughout the valley (JRP Historical Consulting 2009).

After the American annexation of California, the southern San Joaquin Valley became significant as a center of food production for this new influx of people in California. The expansive unfenced and principally public foothill spaces were well suited for grazing both sheep and cattle (Boyd 1997). As the Sierra Nevada gold rush presented extensive financial opportunities, ranchers introduced new breeds of livestock, consisting of cattle, sheep and pig (Boyd 1997).

With the increase of ranching in the southern San Joaquin came the dramatic change in the landscape, as non-native grasses more beneficial for grazing and pasture replaced native flora (Preston 1981). After the passing of the Arkansas Swamp Lands Act in 1850, efforts were made to reclaim small tracts of land in order to create more usable spaces for ranching. Eventually, as

farming supplanted ranching as a more profitable enterprise, large tracts of land began to be reclaimed for agricultural use, aided in part by the extension of the railroad in the 1870s (Pacific Legacy 2006).

Following the passage of state wide 'No-Fence' laws in 1874, ranching practices began to decline, while farming expanded in the San Joaquin Valley in both large land holdings and smaller, subdivided properties. As the farming population grew, so did the demand for irrigation. Settlers began reclamation of swampland in 1866. With the passage of the Wright Act in 1887, the legislature allowed the creation of bonded irrigation districts as public entities. The Alta Irrigation District (AID) was created in 1888 with bonds in the amount of $676,000.00. The district purchased the 76 Land and Water Company canal system for $410,000.00 (Grunsky 1898:24) and was one of the first irrigation districts formed in Tulare County (Preston 1981).

During the period of reclaiming unproductive land in the southern San Joaquin Valley, grants were given to individuals who had both the resources and the finances to undertake the operation alone. One small agricultural settlement, founded by Colonel Thomas Baker in 1861 after procuring one such grant, took advantage of reclaimed swampland along the Kern River. This settlement became the City of Bakersfield in 1869, and quickly became the center of activity in the southern San Joaquin Valley, and in the newly formed Kern County. Located on the main stage road through the San Joaquin Valley, the town became a primary market and transportation hub for stock and crops, as well as a popular stopping point for travelers on the Los Angeles and Stockton Road. The Southern Pacific Railroad reached the Bakersfield area in 1873, connecting it with important market towns elsewhere in the state, dramatically impacting both agriculture and oil production (Pacific Legacy 2006).

Three competing partnerships developed during this period which had a great impact on control of water, land reclamation and ultimately agricultural development in the San Joaquin Valley: Livermore and Chester, Haggin and Carr, and Miller and Lux, perhaps the most famous of the enterprises. Livermore and Chester were responsible, among other things, for developing the large Hollister plow (three feet wide by two feet deep), pulled by a 40-mule team, which was used for ditch digging. Haggin and Carr were largely responsible for reclaiming the beds of the Buena Vista and Kern lakes, and for creating the Calloway Canal, which drained through the Rosedale area in Bakersfield to Goose Lake (Morgan 1914). Miller and Lux ultimately became one of the biggest private property holders in the country, controlling the rights to over 22,000 square miles. Among the many landholdings of Miller and Lux was the entirety of *Rancho Sanjon de Santa Rita*, which Henry Miller purchased in 1866. The headquarters of Miller and Lux were located on the rancho near present-day Santa Rita Park (Hoover et al. 2002).

Miller and Lux also played a major role in the water development of the state. They recognized early-on that control of water would have important economic implications. They controlled, for example, over 100 miles of the San Joaquin River with the San Joaquin and Kings River Canal and Irrigation System. They were also embroiled for many years in litigation against Haggin and Carr over control of the water rights to the Kern River. Descendants of Henry Miller continue to play a major role in California water rights, with his great grandson, George Nickel, Jr., the first to develop the concept of water banking, thus creating a system to buy and sell water

(http://exiledonline.com/california-class-war-history-meet-the-oligarch-family-thats-been-scamming-taxpayers-for-150-years-and-counting/).

The San Joaquin Valley was dominated by agricultural pursuits until the oil boom of the early 1900s, which saw a shift in the region, as some reclaimed lands previously used for farming were leased to oil companies. Nonetheless, the shift of the San Joaquin Valley towards oil production did not halt the continued growth of agriculture (Pacific Legacy 2006). The Great Depression of the 1930s brought with it the arrival of great number of migrants from the drought-affected Dust Bowl region, looking for agricultural labor. These migrants established temporary camps in the valley, staying on long past the end of the drought and the Great Depression, eventually settling in towns such as Bakersfield where their descendants live today (Boyd 1997).

3. ARCHIVAL RECORDS SEARCH AND TRIBAL NOTIFICATION

3.1 ARCHIVAL RECORDS SEARCH

ASM consulted a records search of site files and maps conducted by the Central California Information Center, California State University, Stanislaus (CCIC) on 1 May 2023 that covered the current APE with a half mile radius. The records search was completed to determine: (i) if prehistoric or historical archaeological sites had previously been recorded within the study areas; (ii) if the project area had been systematically surveyed by archaeologists prior to the initiation of this field study; and/or (iii) whether the region of the field project was known to contain archaeological sites and to thereby be archaeologically sensitive. Records examined included archaeological site files and maps, the NRHP, Historic Property Data File, California Inventory of Historic Resources, and the California Points of Historic Interest.

According to the CCIC, 5 previous surveys had been completed within the APE (Table 1), and no previously recorded resource are known to exist within it. An additional 6 previous surveys had been completed within a half mile radius of the APE (Table 2), and 16 previously recorded resources had been recorded within that same radius (Table 3). The results of the records search that was consulted for this study is available in Confidential Appendix A.

Table 1. Previous Surveys within the APE

Report #	Year	Author(s)/Organization	Title
ME-01814	1992	Burke, T. D., V. L. Clay, and C. S. Palmer/ Archaeological Research Services, Inc.	Preliminary Environmental Analysis Report for the Los Banos Bypass Project in Merced County, California: Cultural Resources
ME-07779	2009	Bailey, J., Ph.D./ J. Bailey, Historian, Bureau of Reclamation	California's Central Valley Project: Historic Engineering Features to 1956: A Multiple Property Documentation Form, April 2009 (National register of Historic Places Nomination)
ME-07779A	2009	Bailey, Jim, Ph. D./ Bureau of Reclamation	Reclamation, Managing Water in the West: California's Central Valley Project: Historic Engineering Features to 1956
ME-07779B	2018	Palmer, L/ Bureau of Reclamation	Central Valley Project (CVP), National Register of Historic Places Determinations of Eligibility, Multiple Counties, California. Bureau of Reclamation, Mid-Pacific Region Division of Environmental Affairs, Cultural Resources Branch, Sacramento.
ME-08021	2004	Whitehouse, J./ J. Whitehouse for Caltrans	Historic Property Survey Report, Los Banos Bypass, 10-MER-152, KP 25.8/39.9, PM 16.0/24.8, EA 140-419100
ME-08021(b)	2002	Hattersley-Drayton, K./ Caltrans	Historic Resource Evaluation Report and Historic Architectural Survey Report for Los Banos Bypass State Route 152 Merced County 10-MER-152, KP 25.8/39.9, PM 16.0/24.8, EA 140-419100
ME-08778	2017	ICF & California High-Speed Rail Authority/ ICF/California High-Speed Rail Authority for the U.S. Dept. Transportation, Federal Railroad Administration	California High-Speed Rail Authority, San Jose to Merced Project Section, Deliberative and Confidential Draft, Draft, Historic Architectural Survey Report.

Table 2. Previous Surveys within 0.5-mi of the APE

Report #	Year	Author(s)/Organization	Title
ME-00598	1979	Desautels, R.J./ Scientific Resource Surveys, Inc.	Archaeological Report Volume I: Executive Summary on the Archaeological Monitoring, Salvage, Excavation, Index Sampling and Preservation of Merced 220, 221, 223 Located in the City of Los Banos, California.
ME-00607	1989	Garaventa, D.M. and R. M. Harmon/ Basin Research Associates, Inc.	Cultural Resources Assessment, Meadowlands Subdivision at Route 152 and the Arroyo Canal, in and Near Los Banos, Merced County, California
ME-00686	1989	Dillon, B/ Scientific Resource Surveys Inc.	Cultural Resources Investigation Nemethi Ranch Property of the City of Los Banos, Merced County California
ME-00698	1976	Varner, D. M./ Dudley Varner	Archaeological Field Reconnaissance of the Proposed Los Banos Sewage Treatment Plant.
ME-00710	1979	Zelenka, N. and N. A. Whitney-Desautels/ Scientific Resource Surveys, Inc.	Archaeological Report-Volume II Data Presentation: Archaeological Monitoring, Salvage Excavation, Index Sampling, and Preservation of MER-220, MER-221 and MER-223 Located in the City of Los Banos, California, Wastewater Project No. C-06…
ME-08021	2003	Hattersley-Drayton, K/ Hattersley-Drayton for CalTrans	Historic Resource Evaluation Report and Historic Architectural Survey Report for Los Banos Bypass State Route 152 Merced County 10-MER-152, KP 25.8/39.9, PM 16.0/24.8, EAm140-419100

Table 3. Resources within 0.5-mi of the APE

Primary #	Type	Description
P-24-000020	Other	Prehistoric Isolate; flake
P-24-000021	Other	Prehistoric Isolate; flake
P-24-000022	Other	Prehistoric Isolate; flake
P-24-000023	Other	Prehistoric Isolate; flake
P-24-000024	Other	Prehistoric Isolate; shatter
P-24-000025	Other	Prehistoric Isolate; flake
P-24-000026	Other	Prehistoric Isolate; human remains
P-24-000027	Other	Prehistoric Isolate; flake
P-24-000083	Structure	Historic Old Santa Fe Grade (Road), Canal
P-24-000311	Site	Prehistoric Village
P-24-000412	Site	Prehistoric, Nemethi Ranch
P-24-001796	Structure	Historic Arroyo Canal
P-24-001893	Structure	Historic Santa Fe Canal
P-24-001926	Structure	Historic San Luis Canal, San Luis Canal "J" Lateral
P-24-002104	District	Historic Los Banos Miller-Lux Canal District
P-24-002233	Structure	Historic Henry Miller Avenue

ASM also reviewed historical USGS topographical quadrangles and aerial photographs, extending back to 1921 and 1946, respectively, to identify historical use or development of the Project APE. The Los Banos, CA 1921 1:31,680 quadrangle shows the Santa Fe Canal and San Luis Canal already in place. The Los Banos, CA 1960 1:24,000 quadrangle shows a well located in the northeast quarter of Section 12 along the western boundary of the APE with little no other changes within the APE. Historical aerial imagery from 1946, 1957, and 1958 shows the APE as undeveloped with two track dirt roads along the southern boundary and bisecting from south to north. By the next available aerial in 1981 the entire APE has been converted to agricultural land. The results of the review of historical USGS topographical quadrangles and aerial photographs do not indicate that the APE is sensitive for archaeological resources.

In addition to the records search and review of historical USGS topographical quadrangles and aerial photographs, ASM also examined previous studies conducted in 1979 by Scientific Resource Surveys, Inc. to the east of the current APE and outside of the records search radius. This work was considered because it can inform on the potential archaeological sensitivity of the APE. The work was conducted on behalf of the City of Los Banos for proposed improvements to the city's wastewater treatment capacity. Initial studies identified pre-contact sites (CA-MER-220, CA-MER-221, and CA-MER-223) consisting of a village site, a burial site, and a use area with lithics and other artifacts. Monitoring and salvage excavations of the site revealed a large assemblage of stone, faunal bone, and shell artifacts as well as numerous human remains. The village site (CA-MER-221) was identified at an elevation of approximately 95-ft and reported to contain 55 circular house pits ranging in size from 5-m to 20-m in diameter. The village site (CA-MER-221) and use area (CA-MER-220) were preserved. The human remains from the burial site (CA-MER-223) were exhumed and reburied in two mounds to be preserved.

The results of the records search and the review of previous nearby work indicate the current APE has a high sensitivity for cultural resources.

3.2 TRIBAL NOTIFICATION

A *Sacred Lands File* search was requested from the Native American Heritage Commission (NAHC) and the results were received on 12 September 2023. The results were negative for tribal cultural resources and sacred sites. Project notification letters were sent on 17 August 2023 to tribes listed on an NAHC provided contact list for a previous nearby project, with additional letters sent 14 September 2023 to tribes not listed on the previous NAHC provided contact list. Follow up emails were sent on 7 February 2024.

Two responses were received to the notification letters. The Table Mountain Rancheria responded expressing interest in the project and requesting the results of the records search and cultural resource report, once completed. The Santa Rosa Rancheria Tachi Yokut Tribe responded requesting the following:

- The site records that came up due to the archaeological records search;
- The survey results once the survey is completed;
- An SLF search through the NAHC and the results if one has not been completed yet;

- To be retained for a Cultural Presentation;
- To have a Curation Agreement in place for this project;
- To have an archaeologist on site for all ground disturbance and to have their daily monitoring logs sent to us at the end of every day;
- To have a Tribal monitoring contract in place to allow the Tribe to provide a monitor for the project when we are able to; and,
- To be notified of any discoveries made in relation to the project.

4. METHODS AND RESULTS

4.1 FIELD METHODS

An intensive Phase I survey of the Los Banos Recharge and Stormwater Capture Project APE was conducted in January 2024, by ASM Associate Archaeologist Robert Azpitarte, B.A. with assistance from ASM Assistant Archaeologists Margarita Medina Lemus, B.A., and Alexandra Campbell-Grey, B.A. The field methods employed included intensive pedestrian examination of the ground surface for evidence of archaeological sites in the form of artifacts, surface features (such as bedrock mortars, historical mining equipment), and archaeological indicators (e.g., organically enriched midden soil, burnt animal bone); the identification and location of any discovered sites, should they be present; tabulation and recording of surface diagnostic artifacts; site sketch mapping; preliminary evaluation of site integrity; and site recording, following the California Office of Historic Preservation Instructions for Recording Historic Resources, using DPR 523 forms.

Parallel survey transects spaced at 15-m apart were employed for the inventory. All accessible areas of the 180-ac APE were surveyed.

4.2 SURVEY RESULTS

As discussed in Section 2.2 above, the Project APE is located on open flat land in an agricultural and farming landscape. The APE itself is located entirely within an agricultural field. The southern half of the APE consisted of alfalfa (Figures 2 and 3), while the northern half of the APE was actively managed with planted crops (possibly winter wheat) at the time of survey (Figures 4 and 5).

Ground visibility within the southern half of the APE was between 50 and 60 percent at the time of survey due to the overgrowth of vegetation. Ground visibility in the northern half of the APE at the time of survey was between 20 and 25 percent due to the active agriculture within the field. ASM staff was able to survey between rows and along the outskirts of the field. In both the southern and northern portions of the APE, crews focused efforts on open areas with visible ground surface. Heavy disturbance related to agricultural activity was observed throughout the entire Project APE.

No cultural resources of any kind were observed within the Project APE.



Figure 2. Overview of eastern portion of the Project APE, looking southeast.



Figure 3. Overview of eastern portion of the Project APE, looking south.

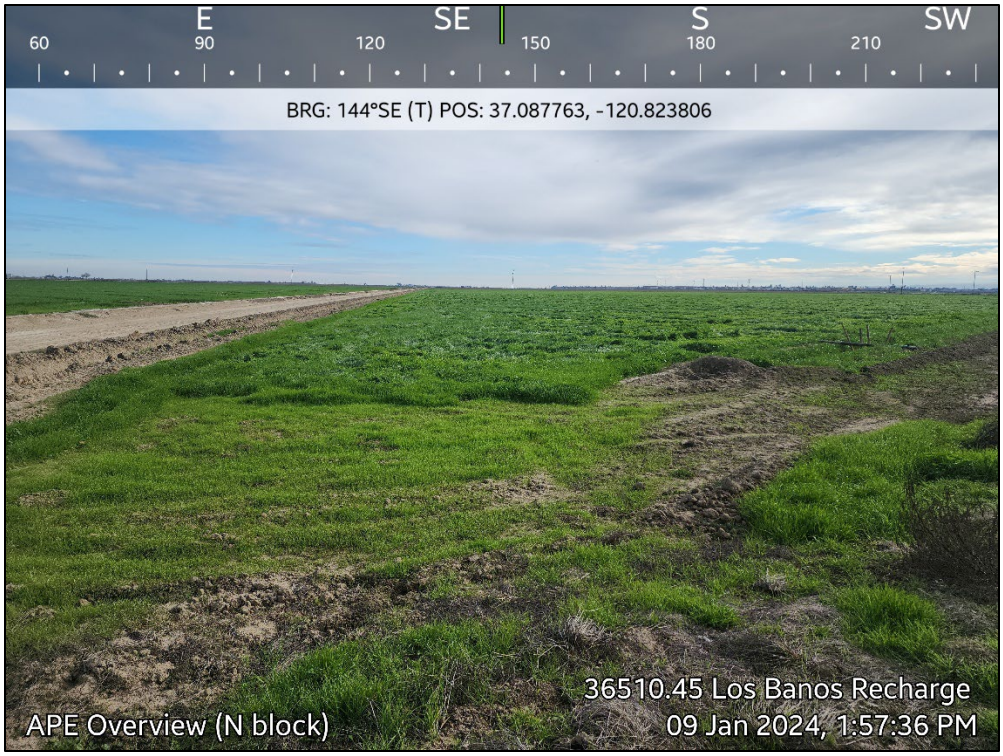


Figure 4. Overview of western portion of the Project APE, looking north.



Figure 5. Overview of northwestern portion of the Project APE, looking northwest.

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5 SUMMARY AND RECOMMENDATIONS

An intensive Phase I survey was conducted for the Los Banos Recharge and Stormwater Capture Project, Merced County, California. A records search conducted at the CCIC in 2023 which included the current APE was consulted for this study. The results indicated that five previous surveys had been completed within the APE and no resources were identified as part of those surveys. An additional six previous surveys had been completed within a half mile radius of the APE, and 16 previously recorded resources had been recorded within the 0.5-mi buffer of the Project APE.

In addition to the records search, ASM reviewed historical USGS topographical quadrangles, historical aerial photographs, geoarchaeological sensitivity, and previous work conducted nearby which identified pre-contact Native American sites. This background research revealed that the APE has High sensitivity for cultural resources.

ASM also requested a *Sacred Lands File* search was requested from the NAHC. The results were negative for tribal cultural resources and sacred sites. Project notification letters were sent to tribes listed on an NAHC provided contact list and follow up emails were sent.

Two responses were received to the notification letters. The Table Mountain Rancheria responded expressing interest in the project and requesting the results of the records search and cultural resource report, once completed. The Santa Rosa Rancheria Tachi Yokut Tribe responded requesting the following:

- The site records that came up due to the archaeological records search;
- The survey results once the survey is completed;
- An SLF search through the NAHC and the results if one has not been completed yet;
- To be retained for a Cultural Presentation;
- To have a Curation Agreement in place for this project;
- To have an archaeologist on site for all ground disturbance and to have their daily monitoring logs sent to us at the end of every day;
- To have a Tribal monitoring contract in place to allow the Tribe to provide a monitor for the project when we are able to; and,
- To be notified of any discoveries made in relation to the project.

The Phase I survey fieldwork was conducted in January 2024, with parallel transects spaced at 15-m intervals walked across the approximately 180-ac APE. Ground visibility was fair to poor, ranging from 20 to 60 percent, across the APE due to planted crops. Aerial imagery indicates the entire APE has been disturbed by decades of agricultural development and use.

5.1 RECOMMENDATIONS

While the Phase I survey of the Los Banos Recharge and Stormwater Capture Project APE did not result in the identification of cultural resources, the geoarchaeological sensitivity and knowledge of sensitive resources in the vicinity of the APE suggests that encountering cultural resources

during project implementation is possible. Therefore, ASM recommends a series of mitigation measures to ensure there is no significant impact to cultural resources as a result of project construction. The mitigation measures take into account the requests made by the Santa Rosa Rancheria Tachi Yokut Tribe in response to the project notification letter and are intended to ensure that if any cultural resources are encountered during project construction that they are treated in a respectful and timely manner. With that in mind, ASM recommends:

- All construction personnel take a Cultural Resources Awareness Training (CRAT) given by a qualified archaeologist in order to become familiar with the types of cultural artifacts that exist in the vicinity of the APE and could potentially be uncovered.
- A curation agreement be put in place prior to project implementation.
- An archaeological monitor and Tribal monitor be retained to monitor all ground disturbing activities within the APE.
- If cultural resources are identified during construction, all work be stopped within 100-ft of the discovery and a qualified archaeologist be contacted to evaluate the find.
- If the find cannot be avoided then additional mitigation may be required, including potential salvage of the find.

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CONFIDENTIAL APPENDIX A

Records Search and Sacred Lands File Search

Appendix D: Phase 1 Environmental Site Assessment

Phase I Environmental Site Assessment

Potential Water Basin
Merced County APNs:
073-220-014
082-020-024
424-010-003
424-010-004

August 24, 2023

Prepared for:

City of Los Banos
520 J Street
Los Banos, California 93635

Prepared by:

EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

455 W. Fir Avenue
Clovis, California 93611

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Environmental Professional Statement

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in § 312.10 of 40 C.F.R. § 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set for in 40 C.F.R. Part 312.

August 24, 2023

Darlyn Tachella
Senior Geologist

David Norman
Principal Environmental Professional

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Executive Summary

- This Phase I Environmental Site Assessment Report has been prepared for the City of Los Banos for the potential water basin project property, located southeast of the intersection of Henry Miller Avenue and Mercey Springs Road in Los Banos, California. The Property has Merced County assessor's parcel numbers 073-220-014, 082-020-024, 424-010-003, and 424-010-004.
- The Property was undeveloped from at least 1937 to 1950, has been agricultural since sometime between 1950 and 1972, and is currently planted with alfalfa.
- The Property is not listed on environmental databases searched.
- Site reconnaissance was conducted on June 15, 2023. Evidence of Recognized Environmental Conditions was not observed.
- Interview questionnaires completed by the user, who is the current owner, do not indicate environmental concerns.
- Provost & Pritchard has performed this ESA in general conformance with the scope and limitations of ASTM E 1527-21. This assessment has revealed no evidence of Recognized Environmental Conditions (RECs) in connection with the Property.
- Non-scope considerations that do not meet the ASTM definition of a REC include:
    - The potential presence of environmentally persistent agricultural pesticides on the Property may represent a Business Environmental Risk (BER) depending on future use of the Property.

1 Introduction

This Phase I Environmental Site Assessment Report (ESA) has been prepared for the City of Los Banos (City) for the potential water basin project property (Property), located southeast of the intersection of Henry Miller Avenue and Mercey Springs Road in Los Banos, California (Figure 1 Appendix A). The Property has Merced County assessor's parcel numbers 073-220-014, 082-020-024, 424-010-003, and 424-010-004. This ESA was performed in accordance with the scope and limitations of the American Society of Testing and Materials (ASTM) Standard Practice for Phase 1 Environmental Site Assessment Process E1527-21. This ESA was conducted to assess the environmental condition of commercial real estate taking into account commonly known and reasonably ascertainable information. The ESA was limited to the area identified on Figure 2 in Appendix A.

The objective of this ESA is to assist the client in understanding recognized environmental conditions associated with the site's past and current use. Recognized Environmental Condition (REC) is defined as "(1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.

Historical Recognized Environmental Condition (HREC) is defined by the ASTM Standard Practice E1527-21 as "a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls".

Business Environmental Risks (BER) include risks which can have a material environmental or environmentally driven impact on the business associated with the current or planned use of commercial real estate, not necessarily related to those environmental issues required to be investigated in the standard ASTM scope. BERs may affect the liabilities and financial obligations of the client, the health and safety of site occupants, and the value and marketability of the subject property.

In addition, this ESA has also noted the presence of housekeeping and other conditions which ASTM identifies as "non-scope considerations" that may create a BER as defined above. Housekeeping conditions, a type of a BER, are generally considered de minimis conditions that in general do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of government agencies but could require regulatory permitting.

1.1 Reasons for Performing ESA

This ESA was conducted to assist the City of Los Banos in understanding potential RECs or impacts prior to design of a water recharge basin.

1.2 Detailed Scope of Services

The ESA process consisted of:

a. A review and evaluation of state and federal (i.e., U.S. EPA) environmental databases that list sites of potential impact within specified search distances;

b. A review and evaluation of reasonably ascertainable local agency records and environmental databases for historical and current documentation pertaining to the site;

c. A review and evaluation of historical use information, including aerial photographs and maps (e.g., USGS, fire insurance, etc.), tax improvement records, city directories, and building department permit records;

d. Interviews with clients and government officials, as appropriate;

e. Site reconnaissance to determine current and past uses and conditions of both the property and adjoining properties;

f. Preparation of a report detailing findings, and conclusions generated from components ‘a’ through ‘d’.

1.3 Common Acronyms

APN:	Assessor’s parcel number
AST:	Above-ground storage tank
ASTM:	American Society for Testing and Materials
CUPA:	Certified Unified Program Agency
DTSC:	California Department of Toxic Substance Control
DWR:	California Department of Water Resources
EDR:	Environmental Data Resources Inc.
EPA:	United States Environmental Protection Agency
ESA:	Environmental site assessment
P&P:	Provost & Pritchard Consulting Group
REC:	Recognized environmental condition
RWQCB:	Regional Water Quality Control Board
USDA:	United States Department of Agriculture
USGS:	United States Geological Survey
UST:	Underground storage tank

1.4 Significant Assumptions and Exceptions

The ESA is designed in principle to be a cost-effective overview of a site, which should identify indications of RECs that are observable, or recorded in readily available public records. Evaluation of the Property is limited to information available through public sources, interviews, and firsthand observation. Judgments leading to opinions and recommendations are made without a complete knowledge of subsurface conditions. Findings and recommendations are made in review of information that was prepared or provided by others. This report assumed that the information provided is accurate and correct. P&P assumes that cases closed by regulatory agencies do not continue to represent a threat of groundwater impacts or vapor migration or intrusion. Additional research beyond that required by ASTM E1527-21 may yield additional information.

1.5 Limitations

Land use, site conditions (both onsite and offsite) and other factors will change over time. Since site activities and regulations could change at any time after the completion of this report, the observations, findings, and opinions can be considered valid only as of the date of the site visit.

P&P’s professional services were performed consistent with generally accepted environmental principles and practices in California at the time the services were performed. Judgments leading to conclusions and recommendations are made without a complete knowledge of subsurface conditions.

No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of the practice outlined in ASTM E1527-21 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.

Therefore, no warranty or guarantee is expressed or implied.

1.6 User Reliance

This report has been prepared for the sole benefit of the City of Los Banos. Any other person or entity without the express written consent of Provost & Pritchard Consulting Group and/or the City may not rely upon this report.

1.7 Site Description

The site description includes information that identifies the physical setting of the site in relation to the surrounding area. Table 1 describes the General Site Characteristics.

Table 1 General Site Characteristics

ADDRESS & ASSESSOR'S PARCEL NUMBER	No address assigned. 073-220-014, 082-020-024, 424-010-003, 424-010-004
APPROXIMATE SIZE	The project Property is approximately 184.9 acres.
LOCATION	The Property is located southeast of the intersection of Henry Miller Avenue and Mercey Spring Road, between the Sante Fe Canal to the east and the San Luis Canal to the west, in Los Banos, Merced County, California.
ZONING	Agricultural, Public facilities
LEGAL DESCRIPTION	The Property is described as portions of Sections 1and 12 in Township 10 South, Range 10 East, and portions of Sections 6 and 7 in Township 10 South, Range 11 East, Mount Diablo Base and Meridian in the County of Merced.

1.8 Owners, Property Manager, and Occupant Information

The project Property is owned by the City of Los Banos and currently leased by an agricultural operator.

2 User Responsibilities

2.1 Environmental Liens or Activity and Use Limitations

Transaction-Related Title Insurance Documentation (ex. Preliminary Title Report) was not provided by the User in order to search for environmental liens and activity and use limitations (AULs). Instead, environmental liens and activity and AULs were searched for by EDR. The search is dated June 2, 2023. No environmental liens or other activity and use limitations (AULs) were reported in the EDR Environmental Lien and AUL Search. See Appendix B.

2.2 User Knowledge

A user questionnaire was completed by Ms. Stacy Souza Elms of the City of Los Banos, included in Appendix B. Specialized or actual knowledge of environmental concerns or commonly known or reasonably ascertainable information of environmental concerns were not indicated in the questionnaire answers.

3 Records Review

The purpose of the records review is to obtain and review records that would help to identify recognized environmental conditions in connection with the Property.

3.1 Physical Setting Resources

The geologic and hydrologic conditions beneath the Property were researched to evaluate whether hazardous substances are likely to migrate into groundwater or soil beneath the site, either from on or off-site sources.

3.1.1 USGS Topographic Maps

USGS 7.5-minute topographic maps of the Los Banos quadrangle from 1921, 1947, 1960, 1961, 1987, 2012, 2015, and 2018 were reviewed for the Property and surrounding area from the EDR Historical Topo Map Report in Appendix D.

The Property is relatively flat. On the 1921 and 1947 maps the Santa Fe Canal and San Luis Canal are shown bordering the Property, and another waterway is mapped trending southwest from the Santa Fe Canal. No other development is mapped on the Property or adjoining properties. On the 1960 and 1961 maps a well is mapped on the Property and the canal bordering the east of the Property is labelled Arroyo Canal; Duck Ponds are mapped to the north of the Property. The adjoining wastewater treatment plant is shown on the 1987 map. Road development to the west of the Property is shown on the 2012 through 2018 maps.

Very few structures or other features are mapped in the area surrounding the Property until 1987 when the wastewater treatment plant and apparent housing development is shown.

3.1.2 Geological Conditions

The site is located in the San Joaquin Valley. The valley is underlain generally by sedimentary deposits of silt, sand, and gravel. The valley is bordered on the east by the Sierra Nevada Mountains whose altitude ranges from less than 1,000 feet in the foothills to more than 14,000 feet above sea level near the crest of the range. The Coast Ranges, bordering the valley on the west, consist of a series of folded and faulted marine and volcanic rocks which rise to about 6,000 feet above sea level (Croft and Gordon, 1968).

The geomorphic province is known as the Great Valley, or Central Valley. The Sacramento Valley makes up the northern third and the San Joaquin Valley makes up the southern two thirds of the geomorphic province. Both valleys are watered by large rivers flowing west from the Sierra Nevada Range, with smaller tributaries flowing east from the Coast Ranges. Gently rolling plains and hills rise from the valley floor along the borders with the surrounding mountainous provinces (Harden, 1998).

Most of the surface of the Great Valley is covered by Quaternary alluvium. Sediments eroded from the Sierra Nevada and Coast Ranges are deposited on the floodplains and bottomlands of the flat-bottomed valley. In the central, lower parts of the Great Valley, young Cenozoic alluvium is underlain by an incredible thickness of older sediments and sedimentary rocks. The basin is deeper on the western side of the valley, where it is filled by as much as 20,000 meters of sediment. Along the eastern margin of the basin, the sedimentary formations are steeply upturned due to the uplifted Sierra Nevada Range (Harden, 1998).

3.1.3 Hydrogeology

The Property is within the Delta-Mendota Subbasin of the San Joaquin Valley Groundwater Basin. The Subbasin is drained toward the Delta by the San Joaquin River and its tributaries (DWR, 2003). The area receives approximately 9 to 16 inches of precipitation annually, increasing northward (DWR, 2003).

The estimated depth to groundwater at the Property is between 30 and 40 feet below the ground surface (bgs) based on the California Department of Water Resources (DWR) Spring 2022 measurements in the area, deepening generally to the southwest. See the map in Appendix A. Groundwater beneath the Property may be shallower than estimated by DWR due to the proximity to canals and treatment ponds.

3.1.4 USDA Soil Survey

The USDA Soil Conservation Service indicates that the soil at the Property are primarily Woo clay loam with minor areas of Stanislaus clay loam. The Woo series has slow infiltration rates and is well drained and the Stanislaus has very slow infiltration rates and is well drained. A soils map and description of the units is included in the GeoCheck section of the EDR Radius Map Report in Appendix C.

3.2 Standard Government Environmental Records Sources

Provost & Pritchard contracted with a commercial database service, Environmental Data Resources (EDR), to review the standard government environmental record sources within the appropriate ASTM

minimum search distance from the Property. The list of government records searched and the search distance are listed in the Map Findings Summary of the EDR Radius Map™ Report, included in Appendix C. The dates of the versions of government records searched are listed in the Government Records Searched/ Data Currency Tracking section of the EDR Radius Map™ Report. Findings of the EDR Radius Map™ Report are discussed in 3.2.1.

Additional state and local agency records were also reviewed by Provost & Pritchard and discussed in sections 3.3.6 through **Error! Reference source not found.**. Records obtained or correspondence with agencies are included in Appendix C.

3.2.1 Standard Records Findings

If the subject property or any of the adjoining properties is identified on one or more of the standard government environmental record resources, pertinent regulatory files and/or records associated with the listing are reviewed below.

3.2.1.1 Subject Property

The government records provided in the EDR Radius Map™ Report for review were compiled on June 1, 2023. The Property is not listed on the state or federal databases searched in the EDR Radius Map™ Report.

3.2.1.2 Adjoining Properties

The properties adjoining the project Property are not listed on the state or federal databases searched in the EDR Radius Map™ Report.

Listings within ½ mile of the Property include City of Los Banos Disposal Site and Vineyard School Site. The former is a closed solid waste facility with the regulatory status listed as “Pre-regulation” and discussed further in 3.2.6. The latter is a school investigation that received no further action determination from the Department of Toxic Substances Control (DTSC).

3.2.2 Vapor Encroachment Screen

The EDR Vapor Encroachment Screen was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property involved in Real Estate Transactions (E-2600-10). A Vapor Encroachment Screen was prepared on June 5, 2023 using EDR’s Vapor Encroachment Worksheet and is included in Appendix C. The Screen indicates that vapor encroachment conditions (VECs) do not exist for the Property. This is based on the presence or absence of hazardous substances, proximity to the Property, groundwater flow, and geologic barriers or pathways. Given the closest listing identified by EDR is almost 1/3 mile from the Property, the no VEC result seems reasonable.

No vapor encroachment screen can wholly eliminate uncertainty regarding VECs. Screening is intended to reduce, but not eliminate, uncertainty regarding whether a VEC exists in connection with a property. Further, findings regarding VECs do not determine whether a REC is or is not present.

3.2.3 Merced County Certified Unified Program Agency

The Unified Program regulates hazardous waste and hazardous materials by ensuring consistency throughout the state regarding the implementation of administrative requirements, permits, inspections, and enforcement at the local regulatory level. CalEPA oversees the statewide implementation of the Unified Program and its 81 certified local agencies, known as Certified Unified Program Agencies (CUPAs), which apply regulatory standards established by State agencies. The CUPA for the County of Merced is the Division of Environmental Health. Records were requested on June 1, 2023 and a response was received on June 12, 2023 that none were found (Appendix C).

3.2.4 California Geologic Energy Management Division

The State of California Geologic Energy Management Division (CalGEM, formerly DOGGR) maintains the Well Finder web site with maps showing the locations of oil and gas wells the department has records of.

The CalGEM website was reviewed on June 5, 2023. A review of the oil and gas maps contains no records of oil or gas wells drilled in the area of the Property, as shown on the map in Appendix C.

3.2.5 Department of Toxic Substances Control

EnviroStor is the Department of Toxic Substances Control's (DTSC) data management system for tracking our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known contamination or sites where there may be reasons to investigate further. The EnviroStor website was reviewed on June 5, 2023. A review of the EnviroStor website indicates that no records exist for this Property, as shown on the map in Appendix C. One school investigation, Vineyard School, with no further action status is mapped within one mile of the Property.

3.2.6 Regional Water Quality Control Board

GeoTracker is the California State Water Resources Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. GeoTracker portals retrieve records and view integrated data sets from multiple State Water Board programs and other agencies. The GeoTracker website was reviewed on June 5, 2023. A review of the GeoTracker website indicates that no records exist for this Property, as shown on the map in Appendix C. One open cleanup program site is mapped within one mile of the Property, Lister Ag Aviation, however no site history is available from GeoTracker. One land disposal site, City of Los Banos Solid Waste Disposal Site, is also listed within one mile of the Property. According to documents available on GeoTracker, the site has been covered and a maintenance plan was approved by the RWQCB. Semiannual groundwater monitoring appears to be ongoing. The most recent groundwater monitoring report for the site dated January 2023 stated that volatile organic compounds were not detected in the groundwater and site is in compliance with issued waste discharge requirements. Records for this site can be reviewed at https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=L10003580012.

3.3 Standard Historical Resources

The objective of compiling and analyzing historical information and developing a history of the previous uses of the Property, adjoining properties, and surrounding area is to help identify the likelihood of past uses having led to RECs in connection with the Property. Historical records reviewed are included in Appendix D. The following standard historical sources were reviewed to identify past use back to at least 1940, or when first developed.

3.3.1 Aerial Photographs

The EDR Aerial Photo Decade Package in Appendix D includes aerial photographs from years 1937, 1942, 1946, 1950, 1972, 1977, 1984, 1998, 2006, 2009, 2012, 2016, 2020

In the aerial photo from 1937 the Property appears undeveloped except for pathway features that may be water ditches or dirt roads and the bordering canals. The Property appears relatively unchanged until the 1972 photograph where the Property is developed with crops with apparent roads trending across the southern boundary and northwest-southeast near the center and the previous pathway features are gone. The photograph from 1977 is relatively unchanged. In the 1984 aerial image two new linear features trending northeast-southwest and east-west are on the Property, presumedly from the installation of sewer pipe. In 1998 the northeast-southwest trending feature has faded. The Property is relatively unchanged in remaining aerial photographs besides cropping pattern changes.

The adjoining property to the south is first shown as developed with agriculture in 1950 and the remaining adjoining properties are first shown as developed with agriculture and wastewater treatment ponds in 1972. In the 1998 image housing first appears west of the Property and the wastewater treatment ponds are being expanded on the east. The area remains relatively unchanged through the remaining photographs.

3.3.2 Topographic Maps

USGS topographic maps are discussed in 3.1.1.

3.3.3 City Directories

The EDR-City Directory Image Report in Appendix D provides directory listings for years 1974, 1977, 1981, 1985, 1992, 1995, 2000, 2005, 2010, 2014, 2017, and 2020 for Santa Fe Grade, Henry Miller Road, and Mercey Springs Road. The Property does not have an assigned address. Nearby addresses are approximately in the 17000 and 18000 blocks of Henry Miller Road and 13000 block of Mercey Springs Road.

Addresses listed on Santa Fe Grade in the report are at least one mile from the Property. Non-residential listings on the 17000 and 18000 blocks of Henry Miller Road include California State Fish & Game, Housing Authority Merced, various childcare facilities, and Los Banos Wastewater Plant. Non-residential listings on the 13000 block of Mercey Springs Road include Los Banos Sports Association.

3.3.4 Sanborn Fire Insurance Maps

The EDR Certified Sanborn® Map Report in Appendix D indicates fire insurance maps covering the Property are not available.

3.3.5 Building Department Records

No building permits were found for the Property in the EDR Building Permit Report in Appendix D. Historic aerial photographs and topographic maps also do not indicate the past presence of buildings. Permits for adjoining properties are for well pump work.

3.3.6 Merced County Assessor's Office

Information for the 4 Kern County assessor parcel numbers (APNs) on the Property are shown in property details from ParcelQuest and tax assessors maps included in Appendix D.

3.4 Uses of the Property

Based on historical records reviewed, the obvious uses of the Property back to initial development (sometime between 1950 and 1972) is agricultural crops.

3.5 Uses of the Adjoining Properties

During records review conducted for the project Property, obvious uses of adjoining properties identified include agriculture and wastewater treatment. Adjoining properties were undeveloped through at least 1946. The adjoining property to the south was developed as agricultural crops between 1946 and 1950 and had remained crops since. Adjoining properties to the west, north, and east were developed as agricultural crops and wastewater ponds (east) between 1950 and 1972. Additional ponds to the east and housing to the west were developed by 1998 while the remaining adjoining properties continued to be agriculture through the present.

4 Site Reconnaissance

4.1 Methodology and Limiting Conditions

An unescorted site reconnaissance was conducted on June 15, 2023 by Darylyn Tachella of Provost & Pritchard Consulting Group to document the physical setting of the site, verify information obtained from the agency records (if available), and obtain site-specific information where no records were available. The objective of a site reconnaissance is to collect information and make observations to help identify RECs in connection with the subject property.

The Property was observed from dirt road around the perimeter of the fields. Limiting conditions of the site reconnaissance included planted alfalfa.

Table 2 lists the observations noted during the site reconnaissance. The photographs of the Property are in Appendix E.

4.2 Observations

The Property is currently planted with alfalfa on the southern portion and mowed and plowed on the northern portion. One irrigation well and one lift pump were observed with electrical power. Sewer manholes were observed across the Property along the pipe alignment to the wastewater treatment plant. Irrigation ditches border the dirt roads in several locations.

Table 2 Features, Activities, Uses, and Conditions

Item	Observation
Current use(s) of the Property	Agricultural.
Past use(s) of the Property	None identified.
Geologic, hydrogeologic, hydrologic, & topographic conditions	Irrigated fields, relatively flat.
Structures & other improvements	None observed.
Foundations of former structures	None observed.
Roads	Dirt roads around and through the Property.
Potable water supply	None observed.
Septic or sewage disposal system	None observed to service the Property. A sewer line traverses the subsurface of the Property.
Hazardous substances and petroleum products in connection with identified uses	5-gallon bucket of lubricating oil at the well head; no adjacent staining observed (photo 11).
Hazardous substances and petroleum products not in connection with identified uses	None observed.
Underground storage tanks	None observed.
Aboveground storage tanks	None observed.
Odors	From adjacent wastewater treatment plant.
Pools of liquids or standing surface water	None observed.
Drums, totes, & intermediate bulk containers	None observed.
Electrical or hydraulic equipment suspected to contain PCBs	None observed.
Heating/Cooling	N/A, no structures.
Stains or corrosion on floors, walls, or ceilings	N/A, no structures.
Drains and sumps	One lift pump observed along canal (photo 10).
Pits, ponds, or lagoons	None observed.
Stained soils or pavement	None observed.
Stressed vegetation (from something other than insufficient water)	None observed.
Solid waste and wastewater	None observed.
Wells (including dry wells, domestic, irrigation, injection, monitoring, abandoned, or other wells)	One irrigation well (photos 10 & 11).

Item	Observation
Current and past uses of adjoining properties	
North	Cattle grazing
West	Orchard, storage basin, residences, vacant
East	Wastewater treatment plant
South	Row crops

4.3 Exterior Observations

The periphery of the property was observed to evaluate evidence of an avenue for the disposal of hazardous substances or petroleum products. No pathway was observed.

4.4 Interior Observations

Not applicable as there are no structures on the Property.

5 Interviews

5.1 Interview with Key Site Manager

A key site manager is defined as a person having good knowledge of the uses and physical characteristics of the subject Property. For this Property, Ms. Stacy Souza Elms of the City of Los Banos is considered a key site manager and completed an interview questionnaire included in Appendix F. The questionnaire is dated August 17, 2023 and indicates the Property has been used as agriculture, particularly alfalfa, for at least 18 years. Ms. Souza indicated no wells are present on the Property, however an irrigation well was observed during site reconnaissance. No environmental concerns are indicated in the questionnaire answers.

5.2 Interviews with Occupants

Not applicable as there are no occupants.

5.3 Interviews with Past Owners, Operators, and Occupants

Contacts for interviews with past owners, operators, and occupants were not identified.

5.4 Interviews with Local Government Officials

Local agencies were contacted for records and not interviewed.

6 Findings and Opinion

The Property was undeveloped until at least 1950, has been agricultural since at least 1972, and is currently planted with alfalfa. Adjoining property uses include agricultural crops, wastewater ponds, and residences.

Because of the prevalence of agriculture on and around the Property, agricultural pesticides believed to have been applied according to label instructions may represent a BER at the site depending on intended future use for the Property. Organochlorine pesticides (OCP) are environmentally persistent and relatively immobile in soil and many present a human health risk above certain concentrations. Residual concentrations of some banned OCPs have been detected above regulatory criteria in areas where they were applied at manufacturer's application rates. If specific information is required on the presence or absence of OCP, a sampling and analyses program can be developed to provide the information.

Records review revealed the Property is not listed on the databases searched nor are the adjoining properties. Within ½ mile of the Property includes a listing City of Los Banos Disposal Site, a closed solid waste facility with the regulatory status listed as "Pre-regulation". Based on the most recent groundwater monitoring report for the site (January 2023), volatile organic compounds were not detected in the

groundwater and site is in compliance with issued waste discharge requirements. Due to distance and the nature of the closest database listings, they are not suspected to be RECs for the subject Property.

Site reconnaissance revealed that the Property is currently occupied by alfalfa and unplanted fields. One irrigation well and one lift pump were observed with electrical power. Sewer manholes were observed across the Property along the pipe alignment to the wastewater treatment plant. Irrigation ditches border the dirt roads in several locations. Evidence of RECs was not observed.

A user and an owner interview questionnaire were completed by a representative of the City of Los Banos. The answers confirmed that the Property has been occupied by agriculture for at least the last 18 years. The questionnaire answers revealed no knowledge of environmental concern.

The EDR Vapor Encroachment Screen was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property involved in Real Estate Transactions (E-2600-10). The Screen indicates that vapor encroachment conditions do not exist for the Property.

6.1 Data Gaps

A data gap is a lack of or inability to obtain information required by ASTM E1527-21 despite good faith efforts to gather such information.

Aerial photographs and topographic maps provided were not at an interval of five years. Use of the Property did not change between years reviewed.

These data gaps are not suspected to affect the ability to identify RECs and so are not considered significant.

7 Conclusions

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E1527-21 of the potential water basin project Property in Merced County, California. Any exceptions to, or deletions from, this practice are described in Section 1.4of this report. This assessment has revealed no RECs, controlled RECs, or significant data gaps in connection with the Property.

Non-scope considerations that do not meet the ASTM definition of a REC include:

- The potential presence of environmentally persistent agricultural pesticides on the Property may represent a BER depending on future use of the Property.

8 References

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9 Environmental Professionals Resumes

Darylyn Tachella, PG

Associate Geologist

Education

- ✓ B.S. Geology
  California State University, Fresno
- ✓ Mathematics Major Coursework,
  California Polytechnic State University,
  San Luis Obispo
- ✓ A.S. Liberal Studies – Mathematics &
  Science, Cuesta College, San Luis
  Obispo, California

Registration/Certifications

- ✓ Professional Geologist, California, #9661
- ✓ HAZWOPER (40 hours)

Affiliations

- ✓ Member, AEHS Foundation

Areas of Expertise

- ✓ Environmental Science
- ✓ Lithologic Logging
- ✓ Geologic Mapping

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PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

Professional Summary

Darylyn Tachella is an associate geologist at Provost & Pritchard with five years of experience in the field of environmental engineering. She has experience in soil characterization, soil and groundwater sampling, environmental remediation, drainage and percolation investigation, and well installations. She is practiced in project coordination, in-field judgment calls, and report preparation. Her previous project experience includes geologic mapping for gold exploration in Mariposa County, and an undergraduate thesis on magma chemistry of Chaos Crags in Lassen Volcanic National Park.

Relevant Experience

Environmental Site Assessment: Phase I and Phase II, Various Clients, Associate Geologist – Ms. Tachella has conducted various Phase I and Phase II Environmental Site Assessments (ESA). The Phase I work includes historical records search, site reconnaissance, and report preparation. Phase II work includes sampling plans, sample collection, and reporting findings.

Stockton Avenue Rehabilitation Project Initial Site Assessment, City of Ripon, Associate Geologist – Ms. Tachella conducted an Initial Site Assessment (ISA) for the City of Ripon for a street rehabilitation project. The goal of the ISA was to identify the potential for hazardous materials or waste before the rehabilitation project was underway. The scope of work included database and historical records reviews, site reconnaissance, and a report of findings. The report was submitted to Caltrans by the client and subsequently approved.

Colony-Hoff Traffic Signal Project Initial Site Assessment, City of Ripon, Associate Geologist & Project Manager – After the Stockton Avenue ISA, Ms. Tachella conducted and managed another ISA for the City of Ripon for a traffic signal installation project. The goal of the ISA was to identify the potential for hazardous materials or waste before the rehabilitation project was underway. The scope of work included database and historical records reviews, site reconnaissance, and a report of findings. The report was submitted to Caltrans by the client and subsequently approved.

Bridge Rehabilitation Project Hazardous Materials Memo, City of Madera, Associate Geologist – Ms. Tachella prepared a hazardous materials technical memorandum for a bridge rehabilitation project for the City of Madera. The memo provided information on hazardous materials and waste that would potentially be encountered during the rehabilitation project. It also provided recommendations on the management of hazardous materials or waste if encountered or generated.

Former Pacheco Oil Site, Kosmont Companies, Madera County, California, Associate Geologist – Ms. Tachella is assisting with the cleanup services of a former oil site located in Merced County. The project includes groundwater well installation, sampling and reporting, remediation of arsenic and hydrocarbons in the soil and groundwater. Site closure has been requested of the regulator.

Groundwater Recharge Soil Investigation, Various Clients, Associate Geologist – Ms. Tachella has assisted on various soil investigations for siting of groundwater recharge ponds. The work has generally included site selection, soil logging, and reporting findings and recommendations.

Seepage Management for San Joaquin River Restoration Program, United States Bureau of Reclamation, CDM Smith, Merced County, California, Associate Geologist – Ms. Tachella assisted the U.S. Bureau of Reclamation

and the prime contractor staff in seepage management support on the San Joaquin River and bypasses. The scope of work generally includes site evaluations, baseline monitoring, and preliminary and 60% project designs. Specific work has included monitoring of shallow groundwater wells, review of data collection methods reports, agronomic evaluations, preparation of geologic logs and soil sampling from monitor wells and hydraulic conductivity testing, and preparation of appraisal level designs for farms impacted by seepage due to restoration flows.

Wawona Wastewater Treatment Plant, Architectural Resources Group, Yosemite National Park, Associate Geologist – Ms. Tachella assisted on the field investigation for the siting of the treated waste water disposal system. Ms. Tachella was involved with the preliminary soil logging, installation of groundwater piezometers, in-situ percolation testing, and groundwater level data collection.

Crows Landing Industrial Business Park Test Wells, E-Pur, Stanislaus County, California, Associate Geologist – Ms. Tachella assisted with the groundwater supply exploration for a proposed business park near Crows Landing. The work included preliminary hydrogeologic investigation, exploratory drilling, installation of 6 test wells, and water quality and production testing. Ms. Tachella was involved with preliminary research, litholigic logging of exploratory boreholes, and testing of aquifer production and water quality in the test wells.

Well 7 Design, Riverdale Public Utilities District, Riverdale, California, Associate Geologist – Ms. Tachella assisted with the exploration and testing for a municipal well in Riverdale, California. The well was installed to provide higher quality water to the community of Riverdale. This project involved geologic logging of soils, test well installation, zone testing of water quality, and final well installation. Ms. Tachella's responsibilities included geologic logging, construction oversight of the test well, water quality sampling of test well zones, and well pump testing of the final well.

South and Highland Basin, Consolidated Irrigation District, Fresno County California, Associate Geologist – Ms. Tachella assisted with the well pump testing and installation of a well monitoring network. This project involved the evaluation of 75-acre groundwater property for development as a groundwater banking facility. The feasibility study included subsurface geologic investigation, evaluation of source water supply availability, preliminary facility design alternatives, construction cost estimates, banking operation, cost/benefit analysis, baseline groundwater monitoring around the project, establishment of a well monitoring network, Phase I Environmental Assessment, Biological/Cultural Studies, pilot basin infiltration testing, well pump testing, and identification of possible banking partners. As part of the study, the project team presented feasibility study information to the district's Board of Directors and conducted a neighboring landowner meeting.

Local Groundwater Assistance (LGA) Grant Application, Tranquility Irrigation District, Fresno County, California, Associate Geologist – Ms. Tachella assisted with preparation and submission of a grant application to the Department of Water Resources for funding to construct monitoring wells. Funding would be provided through the Local Groundwater Assistance Fund, established by AB 303.

Agricultural Well Conversions, Riverstone Development, Madera County, California, Associate Geologist – Ms. Tachella provided geological support associated with the design and construction of two agricultural well conversions, well pumps and motors, site work, electrical, auxiliary power and controls.

PCE Assessment and Cleanup, City of Merced, California, Associate Geologist – Ms. Tachella is assisting with the quarterly reporting required as part of the PCE (dry cleaning solvent) soil and groundwater cleanup program involving six dry cleaners in the downtown area of the City of Merced. The reporting consists of intensive quality assurance/quality control reviews of data gathered by others, quarterly generation of perchloroethylene (PCE) isopleths and groundwater maps for several identified aquifer zones, and hydrographs for shallow zone wells. Quarterly PCE and groundwater data is analyzed with respect to hydrostratigraphical setting, monitoring well construction details, and historical data to determine trends. The report is prepared on behalf of the City of Merced and is submitted to the Central Valley Regional Water Quality Control Board.

Geologic Mapping, Fremont Gold Mining, Mariposa, California, Consultant – Ms. Tachella worked as an independent geologic mapping consultant for Fremont Gold Mining in Mariposa, California. Responsibilities included exploration planning, geologic mapping, and field documentation.

David Norman

Environmental Specialist

Education

- ✓ B.S. Geology, San Jose State University, California
- ✓ B.A. Management & Organizational Development, Fresno Pacific University, California

Registration/Certifications

- ✓ HAZWOPER (40 hours)

Affiliations

- ✓ National Water Well Association
- ✓ Mountain Counties Water Resources Association
- ✓ Groundwater Resources Association

Areas of Expertise

- ✓ Expert Witness in Site Assessments
- ✓ Groundwater Monitoring
- ✓ Groundwater Quality
- ✓ Environmental Site Assessments
- ✓ Environmental Remediation
- ✓ Brownfields Studies
- ✓ Environmental Science
- ✓ Public Outreach

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Professional Summary

Dave Norman has over 30 years of experience providing environmental and engineering consulting services for clients throughout California. His expertise encompasses regulatory compliance, site assessments, human health risk assessments, and remedial action. In addition, he has managed a wide range of Brownfields and redevelopment projects for many small to medium-sized cities in the central valley. Brownfields projects have ranged from significant gasoline impacts requiring assessment and remediation to the simultaneous assessment and cleanup of seven dry cleaner sites. Mr. Norman has extensive experience with a wide range of environmental assessment and compliance for project sites such as processing locations for a large winery organization, former firing ranges, burn dumps, and landfills. He also has experience with civil and development projects including pavement assessments and management plans for Yosemite National Park.

Mr. Norman has represented clients in front of city councils and county counsels, school boards, and state and federal agencies such as the U.S. Environmental Protection Agency, Regional Water Quality Control Board (RWQCB) and California Department of Toxic Substance Control (DTSC).

Relevant Experience

Phase I, Phase II and Risk Assessments

Phase I Environmental Site Assessment for San Madele Well Site, City of Fresno, California, Technical Reviewer – Mr. Norman provided technical oversight and reviews for the preparation of a Phase I environmental site assessment (ESA) for the City of Fresno's Water Division. The property assessed was for a new domestic well site on San Madele Avenue. The house was to be demolished if the test well drilled produced sufficient clean water. Recommendations were given based on the plan for the house. The house was in good condition but built in 1979, so lead-based paint and asbestos containing materials testing was recommended before the demolition of the house. The Phase I ESA was completed within a short timeframe and under budget.

Phase I & II Environmental Site Assessments for Crop Dusting Facility, Western Fresno County, California, Technical Reviewer – Mr. Norman is currently providing technical oversight and reviews for a Phase I ESA and a limited Phase II ESA for a western agriculture aviation property in western Fresno County. The property includes a crop dusting airport and runway. Based on the history of the site, soil samples were taken in areas of potential contamination. Significant detections for Toxaphene and Endosulfan were found in various places. Price estimates were calculated to estimate the approximate cost to clean up the contaminants of concern.

Phase I & II Environmental Site Assessments, Marl Springs, Mojave National Preserve, Mojave, California, Project Manager – Mr. Norman was responsible for completing a Phase I and II ESA and a human health risk assessment of a historic mine. The Marl Springs area of the Mojave National Preserve is the site of the only potable water supply for over 100 miles. The spring was used by early California explorers and mule trains to rest and water horses. Marl Springs is also the site of historic gold and silver mining. The Mojave National Preserve discovered that lead and other heavy metals were present in elevated concentrations requiring further action. The main concerns were whether the concentrations were a human or ecological risk to visitors and

the endangered desert tortoise that occupied the park. A human health risk assessment was conducted. In addition, a visitor study to evaluate the visitor travel patterns through the area was conducted. The combination of both studies was used to develop a site specific exposure scenario which showed that the exposure thresholds for lead and other heavy metals were below human health risk levels, and the ecologic risk was low for the desert tortoise and other animals because the limited uptake of metals by native plants was insignificant.

Hazardous Waste Evaluations, Red Fir Maintenance Facility, Sequoia National Park, California, Project Manager – Mr. Norman conducted several soil assessments at the Red Fir facility in support of a waste management program to evaluate potential locations for historic dumping of waste chemicals and hydrocarbons. As a result of the assessments, the area was cleared of potential remediation or other actions.

Phase II Environmental Site Assessment, Health Risk Assessment and Site Closure, Zymex Industries, Merced, California, Project Manager – Zymex Industries was interested in purchasing a parcel of land at the Airport Redevelopment Business Park from the City of Merced to construct a new tomato processing plant. The parcel and surrounding area was the location of the former Merced Rod and Game Club. For over 50 years, skeet and trap shooting was conducted at the site. Elevated concentrations of lead from the accumulations of lead shot and bullets were detected at the site after the City had conducted several remediation efforts. Mr. Norman assisted the client with formulating an agreement with the DTSC to provide oversight for a self-directed assessment, human health risk assessment and site closure through the department's voluntary cleanup program. Over 75 samples were collected and analyzed for lead, nickel and other compounds associated with clay pigeons and ammunition. On the basis of the results, a human health risk assessment was prepared finding no significant increase in risk. The DTSC issued a site closure letter free of title restrictions and the tomato packing plant was constructed.

Pollution Prevention Planning, Sequoia and Kings Canyon National Park, California, Project Manager, Lead Technical Writer – For this project, Mr. Norman focused on documenting and evaluating the waste streams for the Sequoia and Kings Canyon National Parks and developing waste minimization strategies, recycling opportunities and waste reuse plans. All of the parks' facilities including maintenance, water treatment and wastewater treatment facilities, and former landfill sites were reviewed for chemical and non-chemical waste. The project resulted in the publishing of park-wide Pollution Prevention Opportunity Assessment, and the implementation of new waste minimization programs including a one-pound propane cylinder disposal education program.

Total Petroleum Hydrocarbon Soil Assessment, Sequoia National Park, Crystal Cave, California, Project Manager– Crystal Cave is one of many naturally sensitive caves located in the Sequoia and Kings Canyon National Parks, and is one of only two open to the public for guided tours. In the early 1900s, the park installed a generator to provide electric power to a lighting system. Due to its remote location and difficult access all fuel was hand carried to the site. In the 1940s, an in-ground power line was installed and the generator was removed from service but left in place. Over the years the generator deteriorated and the remaining fuel and oil leaked from its tanks. In 2005, the park dismantled the generator and removed it by hand. During the process impacted soil was encountered underneath and surrounding the generator. Mr. Norman assisted the park in assessing the extent of impact and negotiated with the local county to allow for the impacted soil to be removed slowly (bucket by bucket) during the closed season and stored to later use in asphalt for park road projects. Over two closed (winter) seasons the soil was removed and the project was closed by the county. All equipment, including waste, samplers and replacement soil, was hand carried to the site in buckets with a 20 pound weight limit.

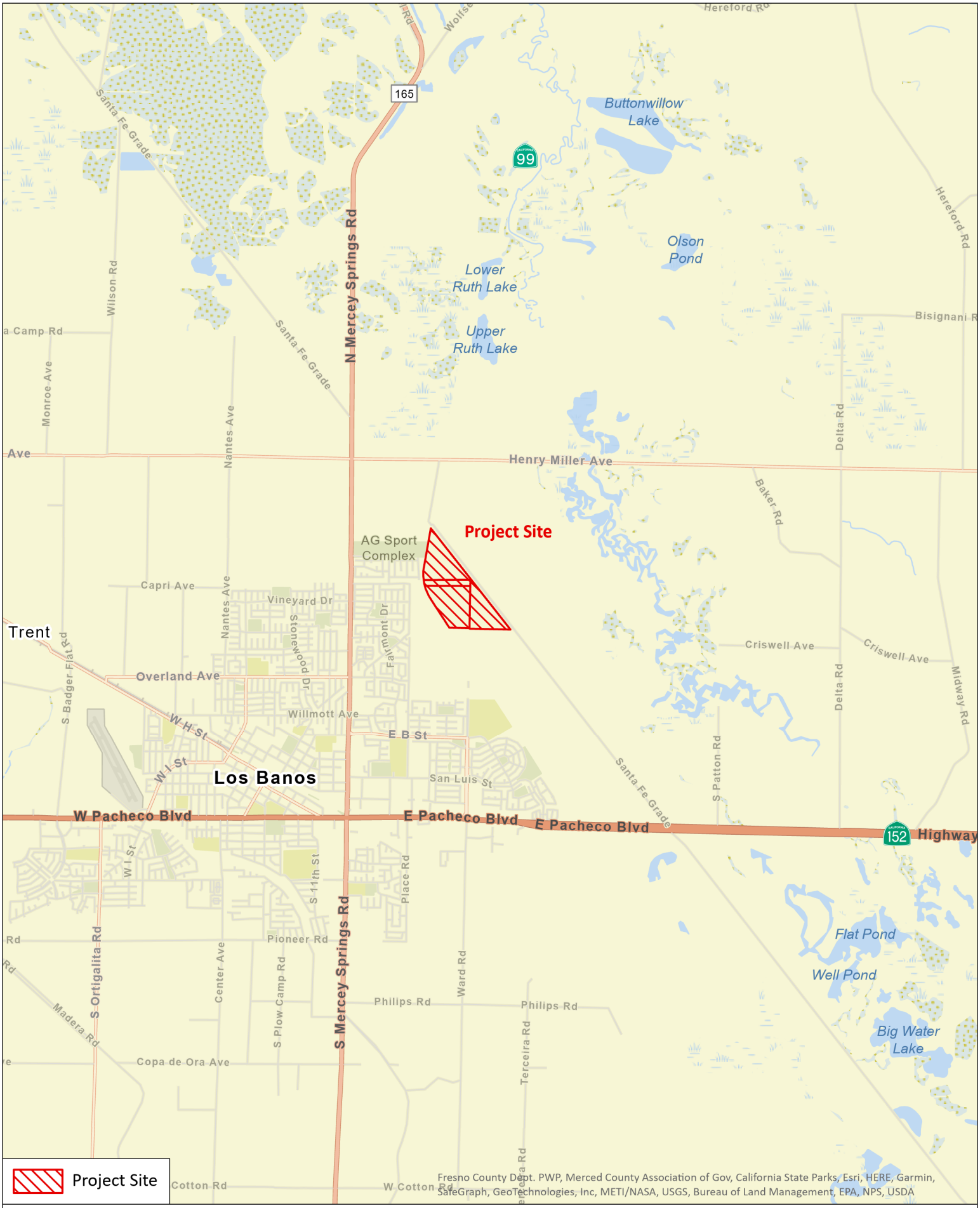
Environmental Assessment & Remedial Services, City of Merced, California, Principal-in-Charge – Mr. Norman is responsible for overseeing environmental assessment and remedial services for the City of Merced's R Street leaking UST assessment, remediation and site closure project. Project responsibilities include project and funding management (Brownfields Cleanup Grant, UST Fund and city redevelopment funds), quarterly monitoring and reporting, communication with the RWQCB, preparation of a focused feasibility study, groundwater monitoring, and the preparation of the final remedial plan (FRP) and implementation of the selected remedial remedy for the project site. The site is comprised of two gasoline stations and a total petroleum hydrocarbons (TPH) and methyl tert-butyl ether (MTBE) plume over half a mile in length. The remedial action includes the installation and operations of two soil vapor extraction (SVE) and ozone injection systems.

Appendix A Figures

Vicinity Map

Site Map

Groundwater Contour Map



Vicinity Map

City of Los Banos Water Basin Phase I ESA, Merced County

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6/23/2023 G:\Los Banos_City of-3501\350123007-Recharge Basin and Stormwater Capture\400 GIS\Map\Phase1Maps.aprx

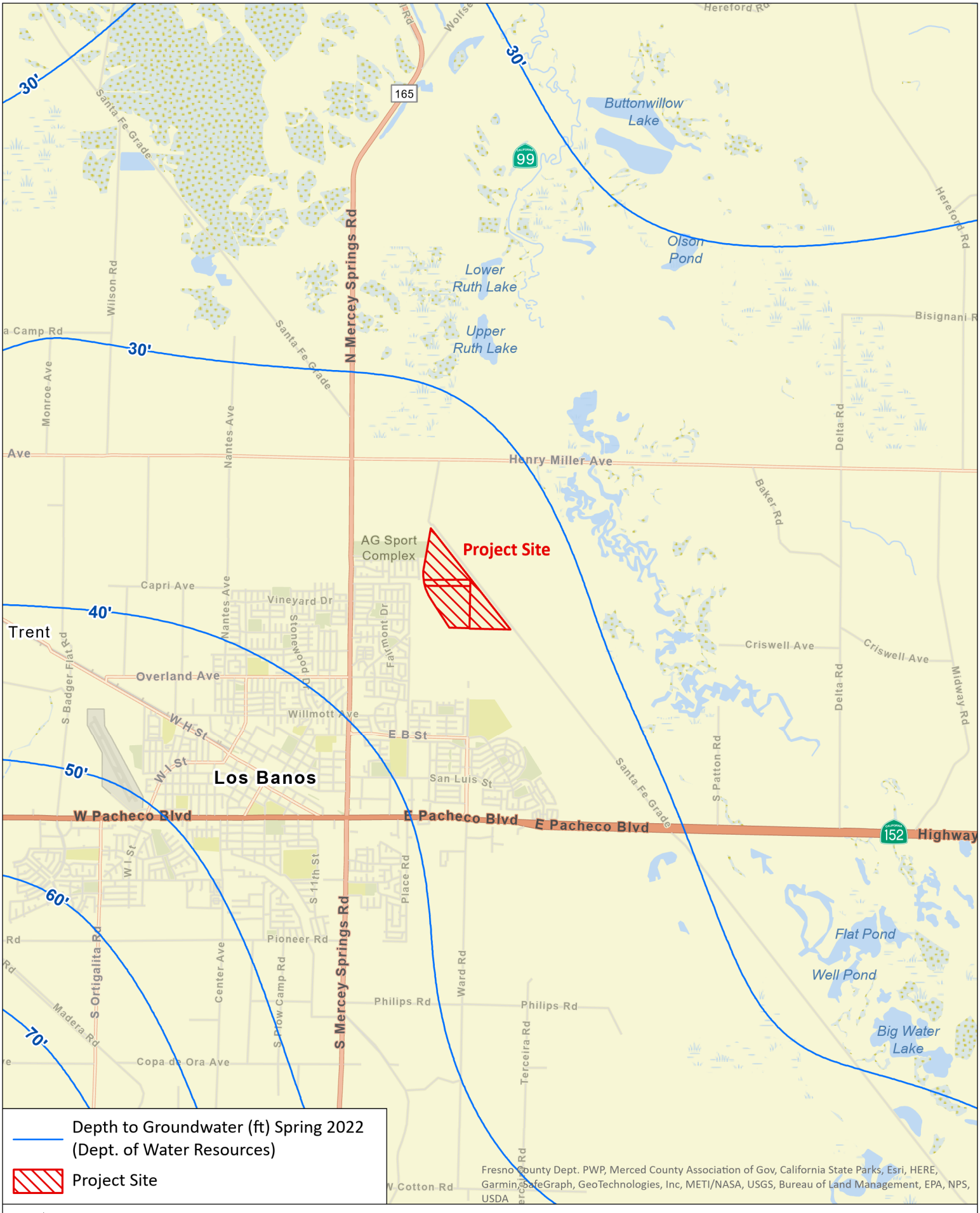


Site Map

City of Los Banos Water Basin Phase I ESA, Merced County

PROVOST& PRITCHARD

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Depth to Groundwater Map

City of Los Banos Water Basin Phase I ESA, Merced County

PROVOST& PRITCHARD

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Appendix B User Responsibilities

EDR Environmental Lien and AUL Search

User Questionnaire

Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.7
June 02, 2023

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Santa Fe Grade
Los Banos Recharge/SW Basin
Los Banos, CA 93635

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Merced Recorder
Merced, CA

PROPERTY INFORMATION

Deed 1:

Type of Deed:	deed
Title is vested in:	City of Los Banos
Title received from:	Mary P Silva TR Carmen Silva TR
Deed Dated	1/28/2002
Deed Recorded:	2/6/2002
Book:	NA
Page:	na
Volume:	na
Instrument:	na
Docket:	NA
Land Record Comments:	apn chg
Miscellaneous Comments:	
Legal Description:	See Exhibit
Legal Current Owner:	City of Los Banos
Parcel # / Property Identifier:	073-220-014-000, 424-010-004-000, 424-010-003-000, 082-020-024-000
Comments:	See Exhibit

Deed Exhibit 1

RECORDING REQUESTED BY:
Fidelity National Title Company of California
Escrow No. 207429 DP
Title Order No. 00207429

When Recorded Mail Document and Tax Statement To:
City of Los Banos
520 J Street
Los Banos, CA 93635

6194
RECORDED BY
Fidelity Nat'l Title
FEB - 6 2002 AT 8:00 am
VOL 4372 PG 212
OFF'L RECORDS OF MERCED COUNTY CALIFORNIA
JAMES L. BALL Recorder
DH

APN: 082-020-024, 073-220-014 082-120-005 & 006

SPACE ABOVE THIS LINE FOR RECORDER'S USE

GRANT DEED

The undersigned grantor(s) declare(s)
Documentary transfer tax is $0
[X] computed on full value of property conveyed, or
[ ] computed on full value less value of liens or encumbrances remaining at time of sale,
[X] Unincorporated Area City of

FOR A VALUABLE CONSIDERATION, receipt of which is hereby acknowledged, Mary P. Silva, A Widow; Mary P. Silva, Successor Trustee of the Silva Living Trust dated Oct. 12, 1978; Carmen Silva, Trustee of the Family Trust under the Silva Living Trust dated Dec. 7, 1979 and Carmen Silva, Trustee of the Carmen A. Silva 1993 Trust dated November 18, 1993
hereby GRANT(S) to City of Los Banos, a Municipal Corporation

the following described real property in the County of Merced, State of California:
SEE EXHIBIT ONE ATTACHED HERETO AND MADE A PART HEREOF

DATED: January 28, 2002

STATE OF CALIFORNIA
COUNTY OF Merced
ON January 31, 2002 before me, Lori A. Marques personally appeared CARMEN SILVA and CARMEN A. SILVA
personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal.

Signature Lori A Marques

LORI A. MARQUES
COMM. #1334755
NOTARY PUBLIC - CALIFORNIA
MERCED COUNTY
My Comm. Expires Jan. 19, 2006

Mary P. Silva
Mary P. Silva
Silva Living Trust dated Oct. 12, 1978

By: Mary P. Silva, Trustee
Mary P. Silva, Successor Trustee

The Family Trust under the Silva Living **

By: Carmen Silva, Trustee
Carmen Silva, Trustee
Carmen A. Silva 1993 Trust dated November 18, 1993

By: Carmen A. Silva Trustee
Carmen A. Silva, Trustee

**Trust dated Dec. 7, 1979

MAIL TAX STATEMENTS AS DIRECTED ABOVE

STATE OF California

COUNTY OF Merced

On February 4, 2002 before me, Kathleen Snapp, Notary Public
(Name, Title of Officer)

personally appeared Mary P. Silva

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

(Signature of Notary Public)

KATHLEEN SNAPP
COMM. #1260170
NOTARY PUBLIC-CALIFORNIA
MERCED COUNTY
My Comm. Exp. April 5, 2003

(This area for notarial seal)

Order No. 207429

EXHIBIT "ONE"

Parcel 1:

All that portion of the Southeast quarter of Section 1, Township 10 South, Range 10 East, and of the Southwest quarter of Southwest quarter of Section 6, Township 10 South, Range 11 East and of the Northwest quarter of Section 7, Township 10 South, Range 11 East, M.D.B. & M., described as a whole as follows:

Beginning at the Southeast corner of aforesaid Section 1; thence along the South line of Section 1, South 89°24' West 2054.85 feet; thence along the center line of the San Luis Canal, North 6°37' West 166.52 feet; North 0°09' West 227.84 feet; North 9°47' East 2190.65 feet; thence along the center line of the Old Santa Fe Grade, a sixty foot road easement, south 38°13' East 2765.53 feet, to a point on the East line of Section 1, which point bears North 1°14' East 357.70 feet from the Southeast corner of Section 1; thence along the center line of aforesaid Santa Fe Grade, South 38°13' East 462.80 feet to a point on the South line of Section 6, Township 10 South, Range 11 East, which point bears South 88°49' East 294.30 feet from the Southwest corner of Section 6, Township 10 South, Range 11 East, thence along the center line of aforesaid Santa Fe Grade, South 38°13' East 2722.57 feet; thence leaving grade, North 88°44 1/2' West 2024.91 feet, to a point on the West line of Section 7, Township 10 South, Range 11 East; thence along the West line of Section 7, North 1°14' East 2101.17 feet to the point of beginning.

Excepting therefrom all that portion as granted to the United States of America in deed recorded January 28, 1969, in Volume 1790, Official Records, Page 356, Merced County Records.

Also excepting and reserving therefrom one-half of all of the minerals, mineral deposits, natural oils and natural gases and other hydrocarbon substances of every kind or nature contained in, under or upon the said lands and rights thereunder as reserved in deed recorded December 5, 1963, in Volume 1633, Official Records, Page 398, Merced County Records.

Assessors Parcel No: 082-020-024;073-220-014

Parcel 2:

All that portion of the Northeast quarter of Section 12, Township 10 South, Range 10 East, M.D.B. & M., described as follows:

Beginning at the Northeast corner of Section 12, Township 10 South, Range 10 East, M.D.B. & M., thence along the East line of Section 12, South 0°36' West 2101.17 feet (South 0°36' West equals North 1°14' East for Section 7, Township 10 South, Range 11 East); thence leaving Section line North 89°22 1/2' West 902.56 feet; thence along the center line of the San Luis Canal, North 33°54 1/2' West 1343.20 feet; North 32°33' West 295.94 feet; North 24°36' West 332.35 feet; North 15°03' West 257.42 feet; North 7°16' West 132.26 feet; thence along the North line of Section 12, North 88°45' East 2054.85 feet (North 88°45' East equals South 89°24' West for Section 1) to the point of beginning.

Excepting and reserving therefrom one-half of all of the minerals, mineral deposits, natural oils and natural gases and other hydrocarbon substances of every kind or nature contained in, under or upon the said lands and rights thereunder as reserved by deed recorded December 5, 1963, in Volume 1633, Official Records, Page 398, Merced County Records.

Assessors Parcel No: 082-120-005;082-120-006

RESOLUTION NO. 4261

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LOS BANOS FOR THE PURCHASE OF REAL PROPERTY FROM MARY P. SILVA, SUCCESSOR TRUSTEE OF THE SILVA LIVING TRUST; CARMEN SILVA, TRUSTEE OF THE FAMILY TRUST UNDER THE SILVA LIVING TRUST DATED DECEMBER 7, 1979; AND CARMEN SILVA, TRUSTEE OF THE CARMEN A. SILVA 1993 TRUST

WHEREAS, the City Council of the City of Los Banos desires to purchase certain real property from Mary P. Silva, Successor Trustee of the Silva Living Trust, and Carmen Silva, Trustee of the Family Trust under the Silva Living Trust dated December 7, 1979, and Carmen Silva, Trustee of the Carmen A. Silva 1993 Trust dated November 18, 1993. described in Exhibit "A" for the purchase price of $748,000.00; and

WHEREAS, the City Council of the City of Los Banos by Resolution 4242 initiated condemnation proceedings for the purchase of said property; and

WHEREAS, the owners of the property namely, Mary P. Silva, Successor Trustee of the Silva Living Trust, as to an undivided fifty percent (50%) interest; Carmen Silva, Trustee of the Family Trust under the Silva Living Trust dated December 7, 1979, as to an undivided twenty-five percent (25%) interest; and Carmen Silva, Trustee of the Carmen A. Silva 1993 Trust dated November 18, 1993, as to an undivided twenty-five percent (25%) interest, and the City of Los Banos have reached an agreement to purchase said real property for the purchase price of $748,000.00 cash; and

WHEREAS, said purchase price is reasonable and is the fair market value of said real property; and

WHEREAS, an escrow shall be opened at Fidelity National Title Company to consummate the purchase.

NOW, THEREFORE BE IT RESOLVED by the City of Los Banos that it does hereby approve the expenditure of $748,000.00 plus closing costs for the purchase of real property from Mary P. Silva, Successor Trustee of the Silva Living Trust; and Carmen Silva, Trustee of the Family Trust under the Silva Living Trust dated December 7, 1979, and Carmen Silva, Trustee of the Carmen A. Silva 1993 Trust dated November 18, 1993, and authorizes the City Manager to execute any and all documents related to said purchase of said real property.

The foregoing Resolution was introduced at a regular meeting of the City Council of the

City of Los Banos, held on the 5th day of December, 2001, by Council Member Smith, who moved its adoption, which motion was seconded by Council Member Hudak, and the Resolution was adopted by the following vote:

AYES: COUNCIL MEMBERS Burnett-Hampson, Hudak, McAdam, Smith and Mayor Amabile

NOES: COUNCIL MEMBERS None

ABSENT: COUNCIL MEMBERS None

APPROVED:

Mayor - City of Los Banos

ATTEST:

City Clerk - City of Los Banos

MERCED COUNTY

City of
Los Banos

I HEREBY CERTIFY THAT THE FOREGOING IS A FULL, CORRECT, AND TRUE COPY OF RESOLUTION NO. 4261 AS ADOPTED BY THE CITY COUNCIL OF THE CITY OF LOS BANOS, A MUNICIPAL CORPORATION OF THE COUNTY OF MERCED, STATE OF CALIFORNIA, AT A REGULAR MEETING HELD ON DECEMBER 5, 2001, AND I FURTHER CERTIFY THAT SAID RESOLUTION HAS NEVER BEEN RESCINDED OR MODIFIED.

SUE CARDOZA
City Clerk

DATED: February 4, 2002

520 "J" Street - Los Banos, California 93635
(209) 827-7000
FAX (209) 827-7006
losbanos.org

VOL 4372 PG 217

Exhibit "A"

All that certain real property situate in the County of Merced, State of California, described as follows:

1. All that portion of the southeast quarter of Section 1, Township 10 South, Range10 East and the southwest quarter of Section 6, Township 10 South, Range 11 East, and the northwest quarter of Section 7, Township 10 South, Range 11 East, Mount Diablo Base and Meridian described as a whole as follows:

   Beginning at the southeast corner of aforesaid Section 1, thence along the south line of Section 1, South 89° 24' West, 2054.85 feet; thence along the centerline of San Luis Canal, North 06° 37' West, 166.52 feet, thence North 00° 09' West, 227.84 feet; thence North 09° 47' East, 2190.65 feet; thence along the centerline of the Old Santa Fe Grade, a sixty foot road easement, South 38° 13' East, 2765.53 feet, to a point on the east line of Section 1, which point bears North 0 1 ° 14' East, 357.70 feet from the southeast corner of Section 1; thence along the centerline of aforesaid Santa Fe Grade, South 38° 13' East, 462.80 feet to a point on the south line of Section 6, Township 10 South, Range 11 East, which bears South 88° 49', 294.30 feet from the southwest corner of Section 6 Township 10 South, Range 11 East; thence along the centerline of aforesaid Santa Fe Grade, South 38° 13' East, 2722.57 feet; thence leaving said Grade, North 88° 44' 30" West, 2024.91 feet, to a point on the west line of Section 7, Township 10 South, Range 11 East; thence along the west line of Section 7, North O 1 ° 14' East, 2101.17 feet to the point of beginning.

   Reserving all of that portion of aforesaid sixty foot road easement, lying within the above described tract as an easement and right of way for a public road.

   Excepting Therefrom all that portion as granted to the United States of America in Deed recorded January 28, 1969, in Volume 1790, Official Records, Page 356, Merced County Records.

   APN 082-020-024-000 and APN 073-220-014-000.

2. All that portion of the northeast quarter of Section 12, Township 10 South. Range 10 East, Mount Diablo Base and Meridian, thence along the east line of Section 12, South 00° 36' west, 2101.17 feet (South 00° 36' West equals North 01 ° 14' East for Section 7, Township 10 South. Range East); thence leaving Section line North 89° 22' 30" West, 902.56 feet; thence along the centerline of the San Luis Canal; North 33° 54' 30" West, 1343.20 feet; North 32° 33' West, 332.35 feet; North 15° 03' West, 257.42 feet; North 07° 16' West, 132.26 feet; thence along the north line of Section 12, North 88° 45' East, 2045.85 feet (North 88° 45' East equals South 89° 24' West for Section 1) to the point of beginning.

   APN 082-120-005-000 & APN 082-120-006-000.

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Clovis, CA 93611-0242
Tel: (559) 449-2700
Fax: (559) 449-2715
www.provostandpritchard.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT—USER QUESTIONNAIRE

Property Name/Address: Los Banos/ GWD Storm Recharge Project

Completed by Mr./Mrs.: Stacy Souza Elms Date: 8/17/23

Company: City of Los Banos Relation with Site: Representing Owner

Address: 520 J Street

Telephone: (209)827-2433 E-mail: stacy.elms@losbanos.org

INTERVIEW QUESTIONS

1) What is the reason for performing the Phase I ESA? Conducting due diligence to utilize property for storm recharge basin

2) What are the past, current, and/or planned uses for the Property (if known)? past and current uses of property are agriculture. Planned use as storm water recharge basin

3) Are there existing or proposed structures on the site? No

4) Will sensitive receptors (ex. children, elderly, people in poor health) occupy the Property? No

5) Are you aware of any environmental cleanup liens against the Property that are filed or recorded under federal, state, or tribal law? No

6) Are you aware of any activity and land use limitations (ex. engineering controls), land use restrictions, or institutional controls in place at the Property or have been filed or recorded? No

7) Do you know of specific chemicals that are or were once present at the Property? No

8) Do you have any specialized knowledge or experience of the chemicals and processes used on the Property or nearby properties? No

9) Do you know of spills, chemical releases, or environmental cleanups that have taken place at the Property? No

10) Does the purchase price being paid for this Property reasonably reflect the fair market value? Property is not for sale. City will be partnering with GWD on storm recharge project

11) Based on your knowledge and experience related to the Property, are there any obvious indicators that point to the presence or likely presence of contamination? No

Appendix C Government Environmental Records

EDR Radius Map Report

EDR Vapor Encroachment Screen

County Environmental Health Department

California Geologic Energy Management Division

Department of Toxic Substances Control

Regional Water Quality Control Board

Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.2s
June 01, 2023

The EDR Radius Map™ Report with GeoCheck®

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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

SANTA FE GRADE
LOS BANOS, CA 93635

COORDINATES

Latitude (North):	37.0840960 - 37° 5' 2.74''
Longitude (West):	120.8189020 - 120° 49' 8.04''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	693869.2
UTM Y (Meters):	4106223.8
Elevation:	100 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12012287 LOS BANOS, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140627
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
SANTA FE GRADE
LOS BANOS, CA 93635

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	CITY OF LOS BANOS DI	894 DEL RIO DR. LOS	SWF/LF	Higher	1537, 0.291, WNW
2	VINEYARD SCHOOL SITE	OVERLAND ROAD	ENVIROSTOR, SCH	Higher	2226, 0.422, SSW
3	ELEMENTARY SCHOOL #2	18761 WILLMONT ROAD	ENVIROSTOR, SCH	Higher	3412, 0.646, SSW
4	LOS BANOS ES #2 EXPA	CORNER OF WILLMOTT A	ENVIROSTOR, SCH	Higher	4029, 0.763, SSW
5	OLD LOS BANOS DUMP	INTERSECTION PARKWOO	RESPONSE, ENVIROSTOR, HIST Cal-Sites, HIST CORTESE	Higher	4720, 0.894, WSW
6	ARCADIAN HIGH SCHOOL	EAST B STREET/WARD R	ENVIROSTOR, SCH	Higher	5119, 0.970, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

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

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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

Lists of Federal CERCLA sites with NFRAP

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

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

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

Lists of Federal RCRA generators

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

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

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

Federal ERNS list

ERNS ..... Emergency Response Notification System

Lists of state and tribal leaking storage tanks

LUST ..... Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ..... Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ..... Statewide SLIC Cases

Lists of state and tribal registered storage tanks

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

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield 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
SCH ..... School Property Evaluation Program
CDL ..... Clandestine Drug Labs
CERS HAZ WASTE ..... CERS HAZ WASTE
Toxic Pits ..... Toxic Pits Cleanup Act Sites
US CDL ..... National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST ..... SWEEPS UST Listing

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

Local Land Records

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

Records of Emergency Release Reports

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

Other Ascertainable Records

RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated
FUDS	Formerly Used Defense Sites
DOD	Department of Defense Sites
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
2020 COR ACTION	2020 Corrective Action Program List
TSCA	Toxic Substances Control Act
TRIS	Toxic Chemical Release Inventory System
SSTS	Section 7 Tracking Systems
ROD	Records Of Decision
RMP	Risk Management Plans
RAATS	RCRA Administrative Action Tracking System
PRP	Potentially Responsible Parties
PADS	PCB Activity Database System
ICIS	Integrated Compliance Information System
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS	Material Licensing Tracking System
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER	PCB Transformer Registration Database
RADINFO	Radiation Information Database
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS	Incident and Accident Data
CONSENT	Superfund (CERCLA) Consent Decrees
INDIAN RESERV	Indian Reservations
FUSRAP	Formerly Utilized Sites Remedial Action Program
UMTRA	Uranium Mill Tailings Sites
LEAD SMELTERS	Lead Smelter Sites
US AIRS	Aerometric Information Retrieval System Facility Subsystem
US MINES	Mines Master Index File
ABANDONED MINES	Abandoned Mines
FINDS	Facility Index System/Facility Registry System
ECHO	Enforcement & Compliance History Information

UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
FUELS PROGRAM EPA Fuels Program Registered Listing
PFAS NPL Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES Federal Sites PFAS Information
PFAS TSCA PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR PFAS Contamination Site Location Listing
PFAS WQP Ambient Environmental Sampling for PFAS
PFAS NPDES Clean Water Act Discharge Monitoring Information
PFAS ECHO Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC Aqueous Foam Related Incidents Listing
PFAS PFAS Contamination Site Location Listing
AQUEOUS FOAM Former Fire Training Facility Assessments Listing
CA BOND EXP. PLAN Bond Expenditure Plan
Cortese "Cortese" Hazardous Waste & Substances Sites List
CUPA Listings CUPA Resources List
DRYCLEANERS Cleaner Facilities
EMI Emissions Inventory Data
ENF Enforcement Action Listing
Financial Assurance Financial Assurance Information Listing
ICE ICE
HIST CORTESE Hazardous Waste & Substance Site List
HWP EnviroStor Permitted Facilities Listing
HWT Registered Hazardous Waste Transporter Database
HAZNET Facility and Manifest Data
MINES Mines Site Location Listing
MWMP Medical Waste Management Program Listing
NPDES NPDES Permits Listing
PEST LIC Pesticide Regulation Licenses Listing
PROC Certified Processors Database
Notify 65 Proposition 65 Records
HAZMAT Hazardous Material Facilities
UIC UIC Listing
UIC GEO UIC GEO (GEOTRACKER)
WASTEWATER PITS Oil Wastewater Pits Listing
WDS Waste Discharge System
WIP Well Investigation Program Case List
MILITARY PRIV SITES MILITARY PRIV SITES (GEOTRACKER)
PROJECT PROJECT (GEOTRACKER)
WDR Waste Discharge Requirements Listing
CIWQS California Integrated Water Quality System
CERS CERS
NON-CASE INFO NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ Well Stimulation Project (GEOTRACKER)
PFAS TRIS List of PFAS Added to the TRI
MINES MRDS Mineral Resources Data System
HWTS Hazardous Waste Tracking System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR Hist Auto---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: 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.

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLD LOS BANOS DUMP	***INTERSECTION PARKWOO***	***WSW 1/2 - 1 (0.894 mi.)***	***5***	***19***

Database: RESPONSE, Date of Government Version: 01/23/2023
Status: Certified
Facility Id: 24490021

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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.

A review of the ENVIROSTOR list, as provided by EDR, and dated 01/23/2023 has revealed that there are 5 ENVIROSTOR sites within approximately 1 of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
VINEYARD SCHOOL SITE Facility Id: 24010010 Status: No Further Action	***OVERLAND ROAD***	***SSW 1/4 - 1/2 (0.422 mi.)***	***2***	***11***
ELEMENTARY SCHOOL #2 Facility Id: 24010012 Status: No Further Action	***18761 WILLMONT ROAD***	***SSW 1/2 - 1 (0.646 mi.)***	***3***	***14***
LOS BANOS ES #2 EXPA Facility Id: 60001504 Status: No Action Required	***CORNER OF WILLMOTT A***	***SSW 1/2 - 1 (0.763 mi.)***	***4***	***17***
OLD LOS BANOS DUMP Facility Id: 24490021 Status: Certified	***INTERSECTION PARKWOO***	***WSW 1/2 - 1 (0.894 mi.)***	***5***	***19***
ARCADIAN HIGH SCHOOL Facility Id: 24010014 Status: No Further Action	***EAST B STREET/WARD R***	***S 1/2 - 1 (0.970 mi.)***	***6***	***36***

Lists of state and tribal landfills and solid waste disposal facilities

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 1 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CITY OF LOS BANOS DI Database: SWF/LF (SWIS), Date of Government Version: 02/06/2023 Facility ID: 24-AA-0007 Operational Status: Closed Regulation Status: Pre-regulation	894 DEL RIO DR. LOS	WNW 1/4 - 1/2 (0.291 mi.)	1	9

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there

is 1 HIST Cal-Sites site within approximately 1 of the target property.

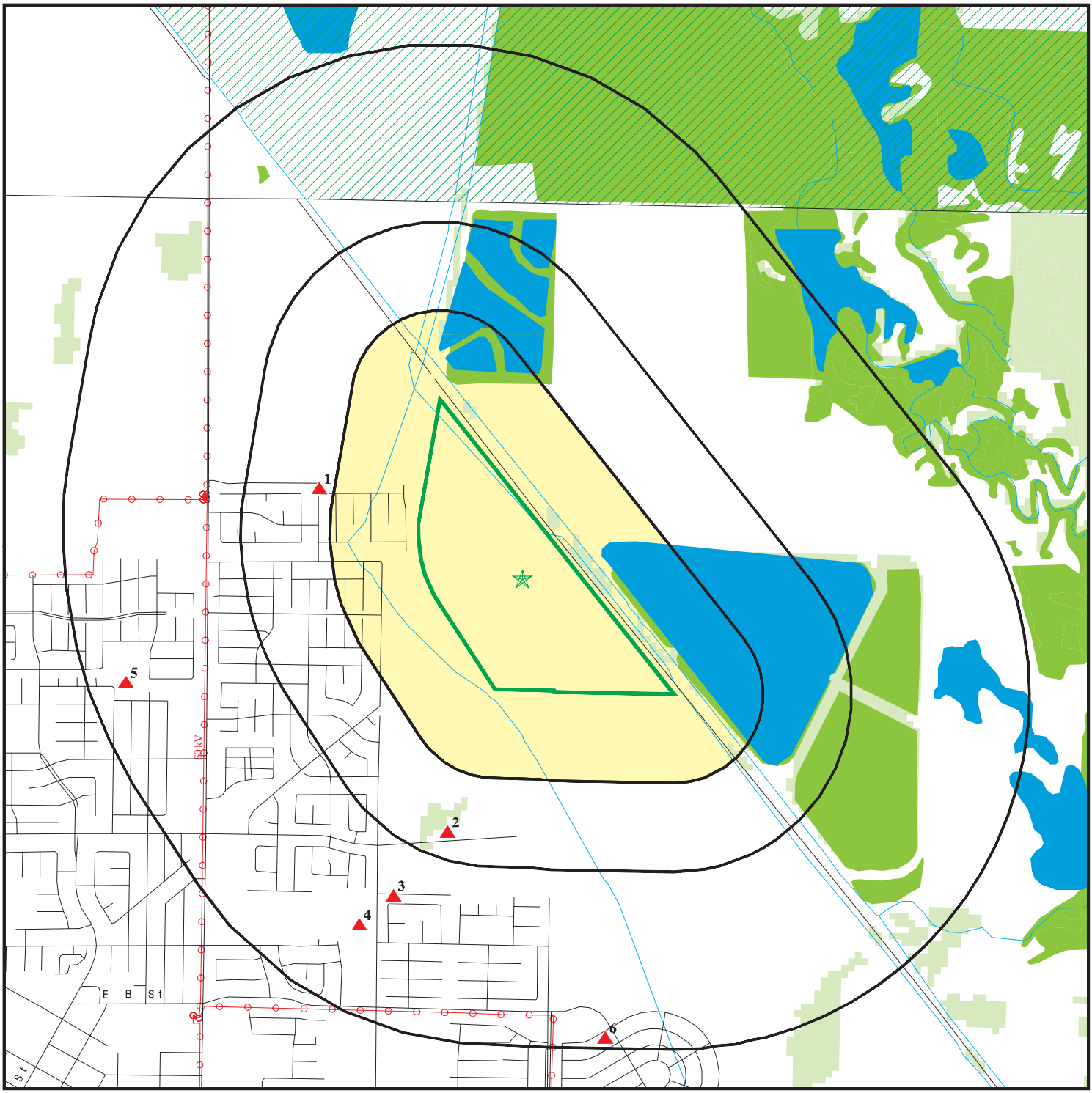
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
OLD LOS BANOS DUMP	*INTERSECTION PARKWOO*	*WSW 1/2 - 1 (0.894 mi.)*	*5*	*19*

EXECUTIVE SUMMARY

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

Site Name	Database(s)
	CDL
	CDL
	CDL
	CDL
LOS BANOS CITY DUMP	ENVIROSTOR
LOS BANOS COUNTY DUMP	ENVIROSTOR

OVERVIEW MAP - 7351896.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	Los Banos Recharge/SW Basin	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	Santa Fe Grade Los Banos CA 93635	CONTACT:	Darylyn Tachella
LAT/LONG:	37.084096 / 120.818902	INQUIRY #:	7351896.2s
		DATE:	June 01, 2023 3:13 pm

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DETAIL MAP - 7351896.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME: Los Banos Recharge/SW Basin	CLIENT: Provost & Pritchard Eng. Group
ADDRESS: Santa Fe Grade Los Banos CA 93635	CONTACT: Darylyn Tachella
LAT/LONG: 37.084096 / 120.818902	INQUIRY #: 7351896.2s DATE: June 01, 2023 3:13 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	1	NR	1
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	1	4	NR	5
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	1	NR	NR	1

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	0	0	2	6	0	8

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
WNW
1/4-1/2
0.291 mi.
1537 ft.

CITY OF LOS BANOS DISPOSAL SITE
894 DEL RIO DR. LOS BANOS, CA 93635
LOS BANOS, CA 93635

SWF/LF **S120834612**
N/A

Relative:
Higher

Actual:
101 ft.

SWF/LF (SWIS):

Name:	CITY OF LOS BANOS DISPOSAL SITE
Address:	894 DEL RIO DR. LOS BANOS, CA 93635
City,State,Zip:	LOS BANOS, CA 93635
Region:	STATE
Facility ID:	24-AA-0007
SWIS Number:	24-AA-0007
Point of Contact:	Abel Martinez-Centeno
Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Closed
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	110014004362
ARB District:	San Joaquin Valley Unified
SWRCB Region:	Central Valley
Local Government:	Los Banos
Reporting Agency Legal Name:	County of Merced
Reporting Agency Department:	Community and Economic Development Department
Enforcing Agency Legal Name:	County of Merced
Enforcing Agency Department:	Community and Economic Development Department
Regulation Status:	Pre-regulation

Activity:

SWIS Number:	24-AA-0007
Site Name:	City of Los Banos Disposal Site
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported
Inspection Frequency:	Quarterly
Throughput:	Not reported
Throughput Units:	Not reported
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	Not reported
Capacity Units:	Not reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Abel Martinez-Centeno
Site Operational Status:	Closed
Site Regulatory Status:	Pre-regulation
Site Is Archived:	No

CITY OF LOS BANOS DISPOSAL SITE (Continued) **S120834612**

Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	1.1001400436e+11
County:	Merced
ARB District:	San Joaquin Valley Unified
SWRCB Region:	Central Valley
Local Government:	Los Banos
Street Address:	894 Del Rio Dr. Los Banos, CA 93635
City:	Los Banos
State:	CA
ZIP Code:	93635
Reporting Agency Legal Name:	County of Merced
Reporting Agency Department:	Community and Economic Development Department
Enforcing Agency Legal Name:	County of Merced
Enforcing Agency Department:	Community and Economic Development Department

Operator:

SWIS Number:	24-AA-0007
Site Name:	City of Los Banos Disposal Site
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Pre-regulation
Latitude:	37.08887
Longitude:	-120.82949
Is Archived:	No
Operator:	City Of Los Banos Public Works Dept
Started On:	Not reported
Contact Name:	Thomas Livingston
Contact Title:	Public Works Director
Contact Email:	Not reported
Contact Phone:	(209) 826-0280
Street Address:	10397 West Walnut Avenue
Operator City:	Livingston
Operator State:	CA
Operator Zip:	Not reported

Owner:

SWIS Number:	24-AA-0007
Owner:	City Of Los Banos Public Works Dept
Owner Address:	10397 West Walnut Avenue
Owner City:	Livingston
Owner State:	CA
Owner Zip:	Not reported
Site Name:	City of Los Banos Disposal Site
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Pre-regulation
Latitude:	37.08887
Longitude:	-120.82949
Is Archived:	No
Started On:	Not reported
Contact Name:	Thomas Livingston

CITY OF LOS BANOS DISPOSAL SITE (Continued) **S120834612**

Contact Title: Public Works Director
Contact Email: Not reported
Contact Phone: (209) 826-0280

---

2 SSW 1/4-1/2 0.422 mi. 2226 ft. **VINEYARD SCHOOL SITE** **ENVIROSTOR** **S104549099**
OVERLAND ROAD **SCH** **N/A**
LOS BANOS, CA 93635

Relative: Higher
Actual: 102 ft.

ENVIROSTOR:
Name: VINEYARD SCHOOL SITE
Address: OVERLAND ROAD
City,State,Zip: LOS BANOS, CA 93635
Facility ID: 24010010
Status: No Further Action
Status Date: 09/15/2000
Site Code: 104139
Site Type: School Investigation
Site Type Detailed: School
Acres: 10
NPL: NO
Regulatory Agencies: SMBRP
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Assembly: 21
Senate: 12
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: School District
Latitude: 37.07385
Longitude: -120.8227
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS
Potential COC: Arsenic Lead
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: LOS BANOS UNIFIED SCHOOL DISTRICT
Alias Type: Alternate Name
Alias Name: LOS BANOS USD/PROPOSED VINEYARD SCH/VCA
Alias Type: Alternate Name
Alias Name: VINEYARD SCHOOL SITE
Alias Type: Alternate Name
Alias Name: 104139
Alias Type: Project Code (Site Code)
Alias Name: 24010010
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 09/15/2000
Comments: DTSC Approved the PEA with a no further action determination

VINEYARD SCHOOL SITE (Continued) **S104549099**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 07/26/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/20/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 06/22/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 09/06/2001
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: VINEYARD SCHOOL SITE
Address: OVERLAND ROAD
City,State,Zip: LOS BANOS, CA 93635
Facility ID: 24010010
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 10
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 104139
Assembly: 21
Senate: 12
Special Program Status: Not reported
Status: No Further Action
Status Date: 09/15/2000

VINEYARD SCHOOL SITE (Continued) **S104549099**

Restricted Use:	NO
Funding:	School District
Latitude:	37.07385
Longitude:	-120.8227
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic, Arsenic, Lead
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	LOS BANOS UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	LOS BANOS USD/PROPOSED VINEYARD SCH/VCA
Alias Type:	Alternate Name
Alias Name:	VINEYARD SCHOOL SITE
Alias Type:	Alternate Name
Alias Name:	104139
Alias Type:	Project Code (Site Code)
Alias Name:	24010010
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	09/15/2000
Comments:	DTSC Approved the PEA with a no further action determination
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Workplan
Completed Date:	07/26/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Site Inspections/Visit (Non LUR)
Completed Date:	07/20/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	06/22/2000
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	09/06/2001
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported

VINEYARD SCHOOL SITE (Continued) **S104549099**

Schedule Due Date: Not reported
Schedule Revised Date: Not reported

3
SSW
1/2-1
0.646 mi.
3412 ft.

ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY **ENVIROSTOR** **S105754248**
18761 WILLMONT ROAD **SCH** **N/A**
LOS BANOS, CA 93635

Relative:
Higher

Actual:
105 ft.

ENVIROSTOR:

Name:	ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY
Address:	18761 WILLMONT ROAD
City,State,Zip:	LOS BANOS, CA 93635
Facility ID:	24010012
Status:	No Further Action
Status Date:	07/12/2003
Site Code:	104258
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	12
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Northern California Schools & Santa Susana
Assembly:	21
Senate:	12
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	37.068
Longitude:	-120.8268
APN:	428-280-008, 428-280-009
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic Chlordane DDD DDE DDT Lead
Confirmed COC:	30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30013-NO
Potential Description:	SOIL
Alias Name:	ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY
Alias Type:	Alternate Name
Alias Name:	LOS BANOS UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	LOS BANOS USD-NEW ELEM #2 RANCHWOOD PROP
Alias Type:	Alternate Name
Alias Name:	428-280-008
Alias Type:	APN
Alias Name:	428-280-009
Alias Type:	APN
Alias Name:	104258
Alias Type:	Project Code (Site Code)
Alias Name:	24010012
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report

ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY (Continued) **S105754248**

Completed Date: 11/04/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 02/27/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Workplan
Completed Date: 12/10/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 12/20/2002
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 03/22/2005
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY
Address: 18761 WILLMONT ROAD
City,State,Zip: LOS BANOS, CA 93635
Facility ID: 24010012
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 12
National Priorities List: NO
Cleanup Oversight Agencies: DTSC
Lead Agency: DTSC
Lead Agency Description: * DTSC
Project Manager: Not reported
Supervisor: Javier Hinojosa
Division Branch: Northern California Schools & Santa Susana
Site Code: 104258
Assembly: 21
Senate: 12

ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY (Continued) **S105754248**

Special Program Status:	Not reported
Status:	No Further Action
Status Date:	07/12/2003
Restricted Use:	NO
Funding:	School District
Latitude:	37.068
Longitude:	-120.8268
APN:	428-280-008, 428-280-009
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic, Chlordane, DDD, DDE, DDT, Lead
Confirmed COC:	30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30013-NO
Potential Description:	SOIL
Alias Name:	ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY
Alias Type:	Alternate Name
Alias Name:	LOS BANOS UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	LOS BANOS USD-NEW ELEM #2 RANCHWOOD PROP
Alias Type:	Alternate Name
Alias Name:	428-280-008
Alias Type:	APN
Alias Name:	428-280-009
Alias Type:	APN
Alias Name:	104258
Alias Type:	Project Code (Site Code)
Alias Name:	24010012
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	11/04/2003
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	02/27/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	* Workplan
Completed Date:	12/10/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Environmental Oversight Agreement
Completed Date:	12/20/2002
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	03/22/2005
Comments:	Not reported

ELEMENTARY SCHOOL #2/RANCHWOOD PROPERTY (Continued) **S105754248**

Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

4
SSW
1/2-1
0.763 mi.
4029 ft.

LOS BANOS ES #2 EXPANSION SITE **ENVIROSTOR** **S118757240**
CORNER OF WILLMOTT AVENUE AND LAS PALMAS STREET **SCH** **N/A**
LOS BANOS, CA 93635

Relative:
Higher

Actual:
106 ft.

ENVIROSTOR:

Name:	LOS BANOS ES #2 EXPANSION SITE
Address:	CORNER OF WILLMOTT AVENUE AND LAS PALMAS STREET
City,State,Zip:	LOS BANOS, CA 93635
Facility ID:	60001504
Status:	No Action Required
Status Date:	07/29/2011
Site Code:	104697
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	4
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Assembly:	21
Senate:	12
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	37.07007
Longitude:	-120.8272
APN:	428-280-007, 428-280-008
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic Chlordane DDD DDE DDT Endrin Toxaphene Dieldrin
Confirmed COC:	30001-NO 30004-NO 30006-NO 30007-NO 30008-NO 30010-NO No Contaminants found 30207-NO 30023-NO
Potential Description:	NMA, SOIL
Alias Name:	428-280-007
Alias Type:	APN
Alias Name:	428-280-008
Alias Type:	APN
Alias Name:	104697
Alias Type:	Project Code (Site Code)
Alias Name:	60001504
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE

LOS BANOS ES #2 EXPANSION SITE (Continued) **S118757240**

Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	08/04/2011
Comments:	CRU signed and e-mailed.
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	07/29/2011
Comments:	Phase I Report approved with no action determination.
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	LOS BANOS ES #2 EXPANSION SITE
Address:	CORNER OF WILLMOTT AVENUE AND LAS PALMAS STREET
City,State,Zip:	LOS BANOS, CA 93635
Facility ID:	60001504
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	4
National Priorities List:	NO
Cleanup Oversight Agencies:	SMBRP
Lead Agency:	SMBRP
Lead Agency Description:	DTSC - Site Cleanup Program
Project Manager:	Not reported
Supervisor:	Juan Koponen
Division Branch:	Northern California Schools & Santa Susana
Site Code:	104697
Assembly:	21
Senate:	12
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	07/29/2011
Restricted Use:	NO
Funding:	School District
Latitude:	37.07007
Longitude:	-120.8272
APN:	428-280-007, 428-280-008
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	Arsenic, Arsenic, Chlordane, DDD, DDE, DDT, Endrin, Toxaphene, Dieldrin
Confirmed COC:	30001-NO, 30004-NO, 30006-NO, 30007-NO, 30008-NO, 30010-NO, No Contaminants found, 30207-NO, 30023-NO
Potential Description:	NMA, SOIL
Alias Name:	428-280-007
Alias Type:	APN

LOS BANOS ES #2 EXPANSION SITE (Continued) **S118757240**

Alias Name: 428-280-008
Alias Type: APN
Alias Name: 104697
Alias Type: Project Code (Site Code)
Alias Name: 60001504
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 08/04/2011
Comments: CRU signed and e-mailed.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 07/29/2011
Comments: Phase I Report approved with no action determination.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

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5 **OLD LOS BANOS DUMP** **RESPONSE** **S100184034**
WSW **INTERSECTION PARKWOOD/RANCHWOOD AVENUES** **ENVIROSTOR** **N/A**
1/2-1 **LOS BANOS, CA 93635** **HIST Cal-Sites**
0.894 mi. **HIST CORTESE**
4720 ft.

Relative: Higher
Actual: 105 ft.

RESPONSE:
Name: OLD LOS BANOS DUMP
Address: INTERSECTION PARKWOOD/RANCHWOOD AVENUES
City,State,Zip: LOS BANOS, CA 93635
Facility ID: 24490021
Site Type: State Response
Site Type Detail: State Response or NPL
Acres: 2
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP, RWQCB 5F - Central Valley, MERCED COUNTY
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Kevin Shaddy
Division Branch: Cleanup San Joaquin
Site Code: 100276
Site Mgmt. Req.: NONE SPECIFIED
Assembly: 21
Senate: 12
Special Program Status: Not reported
Status: Certified
Status Date: 05/11/1995
Restricted Use: NO

OLD LOS BANOS DUMP (Continued) **S100184034**

Funding:	Responsible Party
Latitude:	37.08
Longitude:	-120.8380
APN:	NONE SPECIFIED
Past Use:	INCINERATOR - OTHER
Potential COC :	Lead
Confirmed COC:	Lead
Potential Description:	SOIL
Alias Name:	CITY OF LOS BANOS
Alias Type:	Alternate Name
Alias Name:	110033612464
Alias Type:	EPA (FRS #)
Alias Name:	P14026
Alias Type:	PCode
Alias Name:	100276
Alias Type:	Project Code (Site Code)
Alias Name:	24490021
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Plan
Completed Date:	01/27/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	02/18/1995
Comments:	RMDL -- the last remaining lead soil contamination has been removed from a parcel adjacent to the
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Remedial Action Completion Report
Completed Date:	02/08/1995
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Newsletter
Completed Date:	12/01/1991
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Public Notice
Completed Date:	01/24/1994
Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Other Report
Completed Date:	06/26/1991
Comments:	Not reported
Completed Area Name:	PROJECT WIDE

OLD LOS BANOS DUMP (Continued) **S100184034**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/02/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/03/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/01/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/01/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/15/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 09/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/04/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/26/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/27/1994

OLD LOS BANOS DUMP (Continued) **S100184034**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Engineering Evaluation / Cost Analysis - Non-Time Critical
Completed Date: 01/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/31/1990
Comments: Site Screening Done: Dump residue onsite is contaminated with heavy metals. Site has been proposed for inclusion on the BEP for oversight of clean-up.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/05/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 02/26/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/26/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/1994
Comments: Refer to the final report that includes the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/04/1990
Comments: Not reported

OLD LOS BANOS DUMP (Continued) **S100184034**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/01/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/11/1995
Comments: CERTIFICATION -- Completed review of the Closure Report and prepared the Certification package for the cleanup of the old burn dump. 2 acres were cleaned up and 18,000 cubic yds were properly disposed of at a landfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/27/1994
Comments: CEQA-- Completed CEQA public review (Initial Study and Negative Declaration) prior to implementation of RAP. RAP -- Approval of final remedial action plan for option chosen. DESIGN -- approval of design for final disposal option chosen. Placement of contaminated soil in foundation layer of a clay cap at a Class III landfill. RI/FS -- Conducted soil and groundwater investigations to determine extent of contamination at site. Department oversight and approval of final RI/FS Report. Cost equal to approx. $250,000 (City funded)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/31/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 07/25/1990
Comments: Facility Identified: Merced County Environmental Health Division

OLD LOS BANOS DUMP (Continued) **S100184034**

identified site as problem based on soil sample results.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

ENVIROSTOR:
Name: OLD LOS BANOS DUMP
Address: INTERSECTION PARKWOOD/RANCHWOOD AVENUES
City,State,Zip: LOS BANOS, CA 93635
Facility ID: 24490021
Status: Certified
Status Date: 05/11/1995
Site Code: 100276
Site Type: State Response
Site Type Detailed: State Response or NPL
Acres: 2
NPL: NO
Regulatory Agencies: SMBRP, RWQCB 5F - Central Valley, MERCED COUNTY
Lead Agency: SMBRP
Program Manager: Not reported
Supervisor: Kevin Shaddy
Division Branch: Cleanup San Joaquin
Assembly: 21
Senate: 12
Special Program: Not reported
Restricted Use: NO
Site Mgmt Req: NONE SPECIFIED
Funding: Responsible Party
Latitude: 37.08
Longitude: -120.8380
APN: NONE SPECIFIED
Past Use: INCINERATOR - OTHER
Potential COC: Lead
Confirmed COC: Lead
Potential Description: SOIL
Alias Name: CITY OF LOS BANOS
Alias Type: Alternate Name
Alias Name: 110033612464
Alias Type: EPA (FRS #)
Alias Name: P14026
Alias Type: PCode
Alias Name: 100276
Alias Type: Project Code (Site Code)
Alias Name: 24490021
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan

OLD LOS BANOS DUMP (Continued) **S100184034**

Completed Date: 01/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/18/1995
Comments: RMDL -- the last remaining lead soil contamination has been removed from a parcel adjacent to the

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Completion Report
Completed Date: 02/08/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Newsletter
Completed Date: 12/01/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Notice
Completed Date: 01/24/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 06/26/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 11/02/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 12/03/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/01/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/01/1991
Comments: Not reported

OLD LOS BANOS DUMP (Continued) **S100184034**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 07/15/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 12/21/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Mitigated Neg. Dec. (MND)
Completed Date: 09/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 11/04/1993
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 06/26/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 01/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Design/Implementation Workplan
Completed Date: 01/27/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: *Engineering Evaluation / Cost Analysis - Non-Time Critical
Completed Date: 01/30/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Screening
Completed Date: 08/31/1990
Comments: Site Screening Done: Dump residue onsite is contaminated with heavy metals. Site has been proposed for inclusion on the BEP for oversight of clean-up.

Completed Area Name: PROJECT WIDE

OLD LOS BANOS DUMP (Continued) **S100184034**

Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 07/05/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Public Participation Plan / Community Relations Plan
Completed Date: 02/26/1992
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/26/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 03/11/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 12/23/1994
Comments: Refer to the final report that includes the document.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 09/04/1990
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/28/1994
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 04/01/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Other Report
Completed Date: 01/06/1995
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/03/1994

OLD LOS BANOS DUMP (Continued) **S100184034**

Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Certification
Completed Date: 05/11/1995
Comments: CERTIFICATION -- Completed review of the Closure Report and prepared the Certification package for the cleanup of the old burn dump. 2 acres were cleaned up and 18,000 cubic yds were properly disposed of at a landfill.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: CEQA - Initial Study/ Neg. Declaration
Completed Date: 01/27/1994
Comments: CEQA-- Completed CEQA public review (Initial Study and Negative Declaration) prior to implementation of RAP. RAP -- Approval of final remedial action plan for option chosen. DESIGN -- approval of design for final disposal option chosen. Placement of contaminated soil in foundation layer of a clay cap at a Class III landfill. RI/FS -- Conducted soil and groundwater investigations to determine extent of contamination at site. Department oversight and approval of final RI/FS Report. Cost equal to approx. $250,000 (City funded)

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Consent Order
Completed Date: 05/31/1991
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: * Discovery
Completed Date: 07/25/1990
Comments: Facility Identified: Merced County Environmental Health Division identified site as problem based on soil sample results.

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Calsite:
Name: OLD LOS BANOS DUMP
Address: INTERSECTION PARKWOOD/RANCHWOOD AVENUES
City: LOS BANOS
Region: SACRAMENTO
Facility ID: 24490021
Facility Type: RP
Type: RESPONSIBLE PARTY
Branch: CC
Branch Name: CENTRAL CALIFORNIA

OLD LOS BANOS DUMP (Continued) **S100184034**

File Name: Not reported
State Senate District: 05111995
Status: CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC OVERSIGHT
Status Name: CERTIFIED
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC Code: 49
SIC Name: ELECTRIC, GAS & SANITARY SERVICES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Unknown
Staff Member Responsible for Site: CKOEHN
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Region Water Control Board Name: Not reported
Lat/Long Direction: Not reported
Lat/Long (dms): 0 0 0 / 0 0 0
Lat/long Method: Not reported
Lat/Long Description: Not reported
State Assembly District Code: 17
State Senate District Code: 12
Facility ID: 24490021
Activity: DISC
Activity Name: DISCOVERY
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 07251990
Est Person-Yrs to complete: 0
Estimated Size: Not reported
Request to Delete Activity: Not reported
Activity Status: CERT
Definition of Status: CERTIFIED
Liquids Removed (Gals): 0
Liquids Treated (Gals): 0
Action Included Capping: Not reported
Well Decommissioned: Not reported
Action Included Fencing: Not reported
Removal Action Certification: Not reported
Activity Comments: Not reported
For Commercial Reuse: 0
For Industrial Reuse: 0
For Residential Reuse: 0
Unknown Type: 0
Facility ID: 24490021
Activity: SS
Activity Name: SITE SCREENING
AWP Code: Not reported
Proposed Budget: 0
AWP Completion Date: Not reported
Revised Due Date: Not reported
Comments Date: 08311990
Est Person-Yrs to complete: 0
Estimated Size: Not reported

OLD LOS BANOS DUMP (Continued) **S100184034**

Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	ORDER
Activity Name:	I/SE, IORSE, FFA, FFSRA, VCA, EA
AWP Code:	ISE
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05311991
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	FRIFS
Activity Name:	FOCUSED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01301992
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported

OLD LOS BANOS DUMP (Continued) **S100184034**

Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	CEQA
Activity Name:	CEQA INCLUDING NEGATIVE DECS
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01271994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	DES
Activity Name:	DESIGN
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01271994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	Not reported

OLD LOS BANOS DUMP (Continued) **S100184034**

Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01271994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	01271994
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	RMDL
Activity Name:	REMEDIAL ACTION (RAP REQUIRED)
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	02181995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED

OLD LOS BANOS DUMP (Continued) **S100184034**

Liquids Removed (Gals):	24000
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	THE LAST REMAINING LEAD SOIL CONTAMINATION HAS BEEN REMOVED FROM APARCEL ADJACENT TO THE "SITE". TRANSPORTED TO COUNTY LANDFILL.
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	24490021
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	Not reported
Proposed Budget:	0
AWP Completion Date:	Not reported
Revised Due Date:	Not reported
Comments Date:	05111995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	CERT
Definition of Status:	CERTIFIED
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Alternate Address:	INTERSECTION PARKWOOD/RANCHWOOD AVENUES
Alternate City,St,Zip:	LOS BANOS, CA 93635
Background Info:	order, MCEHD referred the site to DHS for oversight of the remediation. The Old Los Banos Dump site covers approximately six acres and was used as a municipal landfill (surface burn dump) for the City of Los Banos from 1920 to 1947. From 1927 to present, the property changed ownership 19 times, including several times by the City. In February 1990, the Merced County Environmental Health Dept (MCEHD) received several nuisance complaints concerning dust generation from the site. The current owner was excavating and separating material from the landfill to make way for the construction of a storm water drainage basin. MCEHD ordered the current owner to stop work. At this point, approximately 4,500 cubic yards of soil have been excavated and deposited on a 40 acre parcel located north of Philips Road and east of Mercy Springs Road in Los Banos. MCEHD conducted investigations which indicate both properties with surface and subsurface soils contain hazardous levels of heavy metals, including lead (Pb), zinc (Zn) and copper (Cu).

OLD LOS BANOS DUMP (Continued) **S100184034**

Low levels of hydrocarbons were also detected. The contaminants may migrate to offsite receptors by two means: 1) leachate movement to groundwater with the potential to contaminate the adjacent drinking water wells, or 2) airborne particulates to the adjacent housing development.
MCEHD ordered the current owner to conduct further investigations of the site to determine whether or not the site poses a threat to the public health or the environment. Following the

Comments Date: 01271994
Comments: CEQA-- Completed CEQA public review (Initial Study and
Comments Date: 01271994
Comments: Negative Declaration) prior to implementation of RAP.
Comments Date: 01271994
Comments: RAP -- Approval of final remedial action plan for option
Comments Date: 01271994
Comments: chosen.
Comments Date: 01271994
Comments: DESIGN -- approval of design for final disposal option
Comments Date: 01271994
Comments: chosen. Placement of contaminated soil in foundation
Comments Date: 01271994
Comments: layer of a clay cap at a Class III landfill.
Comments Date: 01271994
Comments: RI/FS -- Conducted soil and groundwater investigations to
Comments Date: 01271994
Comments: determine extent of contamination at site. Department
Comments Date: 01271994
Comments: oversight and approval of final RI/FS Report.
Comments Date: 01271994
Comments: Cost equal to approx. $250,000 (City funded)
Comments Date: 02181995
Comments: RMDL -- the last remaining lead soil contamination has been
Comments Date: 02181995
Comments: removed from a parcel adjacent to the "site" of the former
Comments Date: 02181995
Comments: burn dump. A total of approximately 24,000 cubic yards of
Comments Date: 02181995
Comments: soils have been excavated and transported to a County land-
Comments Date: 02181995
Comments: fill for final disposition. The soils were utilized in the
Comments Date: 02181995
Comments: foundation layer for the final cap at the landfill. Approx.
Comments Date: 02181995
Comments: 7-8 acres were cleaned up.
Comments Date: 02181995
Comments: Not reported
Comments Date: 03301995
Comments: REMEDIAL ACTION - completed on 2/18/95, final DTSC site
Comments Date: 03301995
Comments: walk through was conducted on 2/24/95. Approximately
Comments Date: 03301995
Comments: 24,000 cubic yards of lead contaminated soil was removed.
Comments Date: 03301995
Comments: Disposal of contaminated soil was at a Class III landfill.
Comments Date: 03301995
Comments: DTSC awaiting submittal of completion/closure report.
Comments Date: 03301995

OLD LOS BANOS DUMP (Continued) **S100184034**

Comments:	Not reported
Comments Date:	05111995
Comments:	CERTIFICATION -- Completed review of the Closure Report and
Comments Date:	05111995
Comments:	prepared the Certification package for the cleanup of the
Comments Date:	05111995
Comments:	old burn dump. 2 acres were cleaned up and 18,000 cubic yds
Comments Date:	05111995
Comments:	were properly disposed of at a landfill.
Comments Date:	07251990
Comments:	Facility Identified: Merced County Environmental Health
Comments Date:	07251990
Comments:	Division identified site as problem based on soil sample
Comments Date:	07251990
Comments:	results.
Comments Date:	07251991
Comments:	Abandoned municipal landfill. Contaminants include Pb, Zn,
Comments Date:	07251991
Comments:	Cu, and hydrocarbons.
Comments Date:	08311990
Comments:	Site Screening Done: Dump residue onsite is contaminated
Comments Date:	08311990
Comments:	with heavy metals. Site has been proposed for inclusion on
Comments Date:	08311990
Comments:	the BEP for oversight of clean-up.
Comments Date:	10011990
Comments:	This is the date the site was first listed pursuant to
Comments Date:	10011990
Comments:	section 25356.
ID Name:	BEP DATABASE PCODE
ID Value:	P14026
ID Name:	CALSTARS CODE
ID Value:	100276
Alternate Name:	OLD LOS BANOS DUMP
Alternate Name:	CITY OF LOS BANOS
Alternate Name:	Not reported
Special Programs Code:	Not reported
Special Programs Name:	Not reported

HIST CORTESE:

edr_fname:	OLD LOS BANOS DUMP
edr_fadd1:	INTERSECTION PARKWOOD/RAN
City,State,Zip:	LOS BANOS, CA 93635
Region:	CORTESE
Facility County Code:	24
Reg By:	CALSI
Reg Id:	24490021

6
South
1/2-1
0.970 mi.
5119 ft.

ARCADIAN HIGH SCHOOL
EAST B STREET/WARD ROAD
LOS BANOS, CA 93635

ENVIROSTOR SCH **S105754249 N/A**

Relative: Higher

Actual: 104 ft.

ENVIROSTOR:

Name:	ARCADIAN HIGH SCHOOL
Address:	EAST B STREET/WARD ROAD
City,State,Zip:	LOS BANOS, CA 93635
Facility ID:	24010014
Status:	No Further Action
Status Date:	06/15/2004
Site Code:	104310
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	70
NPL:	NO
Regulatory Agencies:	SMBRP
Lead Agency:	SMBRP
Program Manager:	Not reported
Supervisor:	Mark Malinowski
Division Branch:	Northern California Schools & Santa Susana
Assembly:	21
Senate:	12
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	37.06544
Longitude:	-120.8146
APN:	NONE SPECIFIED
Past Use:	AGRICULTURAL - ROW CROPS
Potential COC:	DDD Arsenic Cadmium and compounds Nickel Zinc Chlordane Endrin Heptachlor epoxide Lead Dieldrin HCH (beta Aldrin Chromium VI Mercury (elemental Vanadium and compounds Thallium and compounds Selenium Molybdenum Cobalt Beryllium and compounds Barium and compounds Paraquat DDT DDE Toxaphene Heptachlor Chlordane HCH (gamma) Lindane Endrin Endosulfan Endosulfan Methoxychlor Endrin Endosulfan Total Chromium (1:6 ratio Cr VI:Cr III Silver 3
Confirmed COC:	NONE SPECIFIED
Potential Description:	SOIL
Alias Name:	ARCADIAN HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	LOS BANOS USD
Alias Type:	Alternate Name
Alias Name:	LOS BANOS USD-PROPOSED HIGH SCHOOL
Alias Type:	Alternate Name
Alias Name:	104310
Alias Type:	Project Code (Site Code)
Alias Name:	24010014
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Preliminary Endangerment Assessment Report
Completed Date:	06/14/2004
Comments:	DTSC approved the PEA with a no further action determination.

ARCADIAN HIGH SCHOOL (Continued) **S105754249**

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/06/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

SCH:

Name: ARCADIAN HIGH SCHOOL
Address: EAST B STREET/WARD ROAD
City,State,Zip: LOS BANOS, CA 93635
Facility ID: 24010014
Site Type: School Investigation
Site Type Detail: School
Site Mgmt. Req.: NONE SPECIFIED
Acres: 70
National Priorities List: NO
Cleanup Oversight Agencies: SMBRP
Lead Agency: SMBRP
Lead Agency Description: DTSC - Site Cleanup Program
Project Manager: Not reported
Supervisor: Mark Malinowski
Division Branch: Northern California Schools & Santa Susana
Site Code: 104310
Assembly: 21
Senate: 12
Special Program Status: Not reported
Status: No Further Action
Status Date: 06/15/2004
Restricted Use: NO
Funding: School District
Latitude: 37.06544
Longitude: -120.8146
APN: NONE SPECIFIED
Past Use: AGRICULTURAL - ROW CROPS

ARCADIAN HIGH SCHOOL (Continued) **S105754249**

Potential COC: DDD, DDD, Arsenic, Cadmium and compounds, Nickel, Zinc, Chlordane, Endrin, Heptachlor epoxide, Lead, Dieldrin, HCH (beta, Aldrin, Chromium VI, Mercury (elemental, Vanadium and compounds, Thallium and compounds, Selenium, Molybdenum, Cobalt, Beryllium and compounds, Barium and compounds, Paraquat, DDT, DDE, Toxaphene, Heptachlor, Chlordane, HCH (gamma) Lindane, Endrin, Endosulfan, Endosulfan, Methoxychlor, Endrin, Endosulfan, Total Chromium (1:6 ratio Cr VI:Cr III, Silver, 3
Confirmed COC: NONE SPECIFIED
Potential Description: SOIL
Alias Name: ARCADIAN HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: LOS BANOS USD
Alias Type: Alternate Name
Alias Name: LOS BANOS USD-PROPOSED HIGH SCHOOL
Alias Type: Alternate Name
Alias Name: 104310
Alias Type: Project Code (Site Code)
Alias Name: 24010014
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Report
Completed Date: 06/14/2004
Comments: DTSC approved the PEA with a no further action determination.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Endangerment Assessment Workplan
Completed Date: 03/26/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 07/08/2004
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Environmental Oversight Agreement
Completed Date: 02/06/2003
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

Count: 6 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
LOS BANOS	S107538724		HIGHWAY 152 AND SANTA FE GRADE	93635	CDL
LOS BANOS	S109611781		HIGHWAY 165 AT SANTA FE GRADE	93635	CDL
LOS BANOS	S101481270	LOS BANOS CITY DUMP	SE COR MERCEY SPRINGS & HENRY	93635	ENVIROSTOR
LOS BANOS	S100188301	LOS BANOS COUNTY DUMP	NW COR MERCEY SPRINGS & HENRY	93635	ENVIROSTOR
LOS BANOS	S107540146		ON WILSON ROAD, 1/4 MILE S OF	93635	CDL
LOS BANOS	S107541230		WILSON & SANTA FE	93635	CDL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

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

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
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.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: N/A
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 03/26/2023
Date Data Arrived at EDR: 03/28/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 03/28/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly 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: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

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: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
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: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 82

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 02/20/2023
Date Data Arrived at EDR: 02/21/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 03/20/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database 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: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

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

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

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 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 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

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

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 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 2: Fuel Leak List

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

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 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 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: 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: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

LUST REG 6L: Leaking Underground Storage Tank Case Listing

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

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

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

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

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/26/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: No Update Planned

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

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

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

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

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

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

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

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)
Military ust sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 02/23/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/26/2023
Number of Days to Update: 80

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 134

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 10/19/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 10/14/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
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: 11/23/2022
Date Data Arrived at EDR: 12/06/2022
Date Made Active in Reports: 03/03/2023
Number of Days to Update: 87

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/09/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

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: 03/17/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

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: 07/08/2021
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: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

Lists of state and tribal brownfield 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: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Date of Government Version: 04/06/2023
Date Data Arrived at EDR: 04/13/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 6
Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 06/26/2023
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: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database

A listing of recycling facilities in California.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing

A listing of registered waste tire haulers.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/13/2023
Number of Days to Update: 83

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 08/21/2023
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: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
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: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
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: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
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: 01/23/2023
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71
Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

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: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Quarterly

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

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: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/04/2023
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

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: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/25/2023
Number of Days to Update: 77

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
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: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
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: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 27

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
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: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
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: 03/19/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 07/31/2023
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: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/30/2023
Number of Days to Update: 23

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 03/06/2023
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 02/01/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 77

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

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

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

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

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

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

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 03/13/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EPA WATCH LIST: EPA WATCH LIST

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

Date of Government Version: 08/30/2013
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: 05/01/2023
Next Scheduled EDR Contact: 08/14/2023
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: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/14/2022
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 283

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/13/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 02/16/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 75

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/19/2023
Next Scheduled EDR Contact: 08/28/2023
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: 01/17/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 91

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

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

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
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: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 08/14/2023
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: 11/03/2022
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
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: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
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: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
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: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 03/15/2023
Date Data Arrived at EDR: 03/21/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 70

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
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: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/04/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

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

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84
Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 03/23/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 10/19/2006
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: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80
Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 85

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 04/03/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 03/09/2023
Date Made Active in Reports: 03/20/2023
Number of Days to Update: 11

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

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

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

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

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 05/02/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/02/2023
Next Scheduled EDR Contact: 07/10/2023
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

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 03/01/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 23

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

US MINES: Mines Master Index File

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

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/22/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/24/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 01/07/2022
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 82

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/17/2023
Date Data Arrived at EDR: 03/17/2023
Date Made Active in Reports: 05/30/2023
Number of Days to Update: 74

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 09/18/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 24

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/24/2023
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: 01/01/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 89

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 03/31/2023
Next Scheduled EDR Contact: 07/17/2023
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: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 64

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

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

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

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

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

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

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

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

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

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

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

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 04/20/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

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

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 33

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/07/2023
Number of Days to Update: 8

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

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

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

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

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

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

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

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

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

Date of Government Version: 03/30/2023
Date Data Arrived at EDR: 03/30/2023
Date Made Active in Reports: 04/03/2023
Number of Days to Update: 4

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

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

Date of Government Version: 04/27/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/02/2023
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 59

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/23/2023
Number of Days to Update: 77

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

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

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

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

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: 12/14/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 03/21/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing
list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8
Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 707-433-5911
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: Placer County Air Quality Management District
Telephone: 530-745-2335
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 02/20/2019
Date Data Arrived at EDR: 05/30/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1432
Source: Bay Area Air Quality Management District
Telephone: 415-516-1916
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1469
Source: Butte County Air Quality Management District
Telephone: 530-332-9400
Last EDR Contact: 04/24/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

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

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

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Eastern Kern Air Pollution Control District
Telephone: 661-862-9684
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Glenn County Air Pollution Control District
Telephone: 530-934-6500
Last EDR Contact: 04/16/2019
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 02/04/2021
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 816
Source: California Air Resources Board
Telephone: 916-323-0006
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

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

Date of Government Version: 05/14/2019
Date Data Arrived at EDR: 05/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1445
Source: Imperial County Air Pollution Control District
Telephone: 442-265-1800
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/29/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Lake County Air Quality Management District
Telephone: 707-263-7000
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 02/08/2019
Date Data Arrived at EDR: 05/21/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1441
Source: Mendocino County Air Quality Management District
Telephone: 707-463-4354
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Mojave Desert Air Quality Management District
Telephone: 760-245-1661
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Monterey Bay Air Quality Management District
Telephone: 831-647-9411
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 11/30/2016
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: North Coast Unified Air Quality Management District
Telephone: 707-443-3093
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 05/07/2019
Date Data Arrived at EDR: 05/07/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1455
Source: Northern Sierra Air Quality Management District
Telephone: 530-274-9350
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 02/01/2019
Date Data Arrived at EDR: 05/01/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1461
Source: San Diego County Air Pollution Control District
Telephone: 858-586-2616
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

DRYCLEAN SACRAMENTO METO DIST: Sacramento Metropolitan Air Quality Management DistrictDrycleaner Facility Listing
A listing of drycleaner facility locations, for the Sacramento Metropolitan Air Quality Management District.

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: Sacramento Metropolitan Air Quality Management District
Telephone: 916-874-3958
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Santa Barbara County Air Pollution Control District
Telephone: 805-961-8867
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 05/01/2019
Date Data Arrived at EDR: 05/03/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1459
Source: San Joaquin Valley Air Pollution Control District
Telephone: 559-230-6001
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/23/2019
Date Data Arrived at EDR: 04/25/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1467
Source: San Luis Obispo County Air Pollution Control District
Telephone: 805-781-5756
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/17/2019
Date Data Arrived at EDR: 04/19/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1473
Source: Shasta County Air Quality Management District
Telephone: 530-225-5674
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 04/24/2019
Date Data Arrived at EDR: 04/24/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1468
Source: Tehama County Air Pollution Control District
Telephone: 530-527-3717
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 09/16/2019
Data Release Frequency: Varies

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

Date of Government Version: 05/31/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1425
Source: Yolo-Solano Air Quality Management District
Telephone: 530-757-3650
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79
Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Annually

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

Date of Government Version: 04/16/2019
Date Data Arrived at EDR: 04/17/2019
Date Made Active in Reports: 05/01/2023
Number of Days to Update: 1475
Source: Ventura County Air Pollution Control District
Telephone: 805-645-1421
Last EDR Contact: 04/25/2023
Next Scheduled EDR Contact: 06/12/2023
Data Release Frequency: Varies

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

Date of Government Version: 02/17/2023
Date Data Arrived at EDR: 02/17/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 81

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
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: 02/23/2023
Date Data Arrived at EDR: 02/24/2023
Date Made Active in Reports: 05/15/2023
Number of Days to Update: 80

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
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: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing
A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 01/10/2023
Date Data Arrived at EDR: 01/18/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 76

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
Financial Assurance information

Date of Government Version: 01/11/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
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: 02/06/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: Varies

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

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
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: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 05/16/2023
Next Scheduled EDR Contact: 08/28/2023
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: 01/03/2023
Date Data Arrived at EDR: 01/04/2023
Date Made Active in Reports: 03/21/2023
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

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

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

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/23/2023
Number of Days to Update: 77

Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 01/09/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/28/2023
Number of Days to Update: 80
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 08/21/2023
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: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/22/2023
Number of Days to Update: 83
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

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

Date of Government Version: 03/09/2023
Date Data Arrived at EDR: 03/10/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 75
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82
Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing

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

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90

Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/17/2023
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: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List

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

Date of Government Version: 07/03/2009
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: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)

Military privatized sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)

Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

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

Date of Government Version: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

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

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

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

Non-Case Information sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

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

Other Oil & Gas Projects sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)

Produced water ponds sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)

Sampling point - public sites

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)

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

Date of Government Version: 03/06/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/31/2023
Number of Days to Update: 24

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System

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

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21

Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

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

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 02/28/2023
Number of Days to Update: 98

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

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

Date of Government Version: 03/07/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 03/24/2023
Number of Days to Update: 17

Source: Environmental Protection Agency
Telephone: 202-566-0250
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Varies

PCS: Permit Compliance System

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

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

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

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

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

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

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 12/28/2022
Date Data Arrived at EDR: 12/28/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 79

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List

Cupa Facility List

Date of Government Version: 01/31/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 76

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

BUTTE COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
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: 12/28/2022
Date Data Arrived at EDR: 01/24/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 76

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 02/13/2023
Date Data Arrived at EDR: 02/14/2023
Date Made Active in Reports: 05/08/2023
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 04/19/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
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: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 77

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 01/30/2023
Date Data Arrived at EDR: 02/01/2023
Date Made Active in Reports: 04/21/2023
Number of Days to Update: 79

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/26/2023
Date Data Arrived at EDR: 04/27/2023
Date Made Active in Reports: 05/31/2023
Number of Days to Update: 34

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 03/29/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 01/09/2023
Date Data Arrived at EDR: 01/10/2023
Date Made Active in Reports: 03/23/2023
Number of Days to Update: 72

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 04/11/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 12/31/2022
Date Data Arrived at EDR: 01/12/2023
Date Made Active in Reports: 03/29/2023
Number of Days to Update: 76

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills

This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory

A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory

A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 03/07/2023
Number of Days to Update: 83

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 03/24/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 04/18/2023
Next Scheduled EDR Contact: 07/31/2023
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: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank

Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
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: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 01/23/2023
Date Data Arrived at EDR: 01/25/2023
Date Made Active in Reports: 04/10/2023
Number of Days to Update: 75

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 89

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 02/02/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 02/06/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 83

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/14/2023
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: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 05/08/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
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: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75

Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 01/18/2023
Date Data Arrived at EDR: 01/19/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 75
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/21/2022
Date Made Active in Reports: 03/16/2023
Number of Days to Update: 85
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 12/09/2022
Date Made Active in Reports: 03/01/2023
Number of Days to Update: 82
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2023
Date Data Arrived at EDR: 02/09/2023
Date Made Active in Reports: 05/04/2023
Number of Days to Update: 84
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 02/15/2023
Date Data Arrived at EDR: 02/15/2023
Date Made Active in Reports: 05/09/2023
Number of Days to Update: 83
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
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: 02/27/2023
Date Data Arrived at EDR: 02/28/2023
Date Made Active in Reports: 05/17/2023
Number of Days to Update: 78

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 05/25/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 04/04/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 02/03/2023
Date Data Arrived at EDR: 02/07/2023
Date Made Active in Reports: 04/26/2023
Number of Days to Update: 78

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

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: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 04/28/2023
Date Data Arrived at EDR: 04/28/2023
Date Made Active in Reports: 05/03/2023
Number of Days to Update: 5

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 04/26/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 04/13/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 03/09/2023
Next Scheduled EDR Contact: 06/26/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 02/09/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 03/10/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 05/31/2023
Next Scheduled EDR Contact: 09/18/2023
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: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 02/10/2023
Date Data Arrived at EDR: 02/10/2023
Date Made Active in Reports: 05/05/2023
Number of Days to Update: 84

Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
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: 05/17/2023
Next Scheduled EDR Contact: 09/04/2023
Data Release Frequency: No Update Planned

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
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: 05/10/2023
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 06/28/2021
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 03/16/2023
Next Scheduled EDR Contact: 07/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 04/05/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 05/23/2023
Next Scheduled EDR Contact: 09/11/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 01/13/2023
Date Data Arrived at EDR: 01/17/2023
Date Made Active in Reports: 04/04/2023
Number of Days to Update: 77

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 05/10/2023
Next Scheduled EDR Contact: 08/14/2023
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: 04/12/2023
Next Scheduled EDR Contact: 07/31/2023
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: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
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: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 12/27/2022
Date Data Arrived at EDR: 01/26/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 83
Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 04/17/2023
Next Scheduled EDR Contact: 07/31/2023
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: 02/27/2023
Date Data Arrived at EDR: 03/07/2023
Date Made Active in Reports: 05/24/2023
Number of Days to Update: 78
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 03/07/2023
Next Scheduled EDR Contact: 06/19/2023
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: 12/19/2022
Date Data Arrived at EDR: 12/27/2022
Date Made Active in Reports: 03/17/2023
Number of Days to Update: 80
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 03/22/2023
Next Scheduled EDR Contact: 07/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 01/26/2023
Date Data Arrived at EDR: 01/27/2023
Date Made Active in Reports: 04/19/2023
Number of Days to Update: 82

Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 05/03/2023
Next Scheduled EDR Contact: 08/07/2023
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: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/11/2023
Next Scheduled EDR Contact: 08/21/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 03/30/2023
Next Scheduled EDR Contact: 07/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 04/27/2023
Next Scheduled EDR Contact: 08/07/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/06/2023
Next Scheduled EDR Contact: 07/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/10/2022
Next Scheduled EDR Contact: 08/28/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/06/2023
Next Scheduled EDR Contact: 06/19/2023
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: Endeavor Business Media
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data
Source: Endeavor Business Media
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LOS BANOS RECHARGE/SW BASIN
SANTA FE GRADE
LOS BANOS, CA 93635

TARGET PROPERTY COORDINATES

Latitude (North):	37.084096 - 37° 5' 2.75''
Longitude (West):	120.818902 - 120° 49' 8.05''
Universal Tranverse Mercator:	Zone 10
UTM X (Meters):	693869.2
UTM Y (Meters):	4106223.8
Elevation:	100 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	12012287 LOS BANOS, CA
Version Date:	2018

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

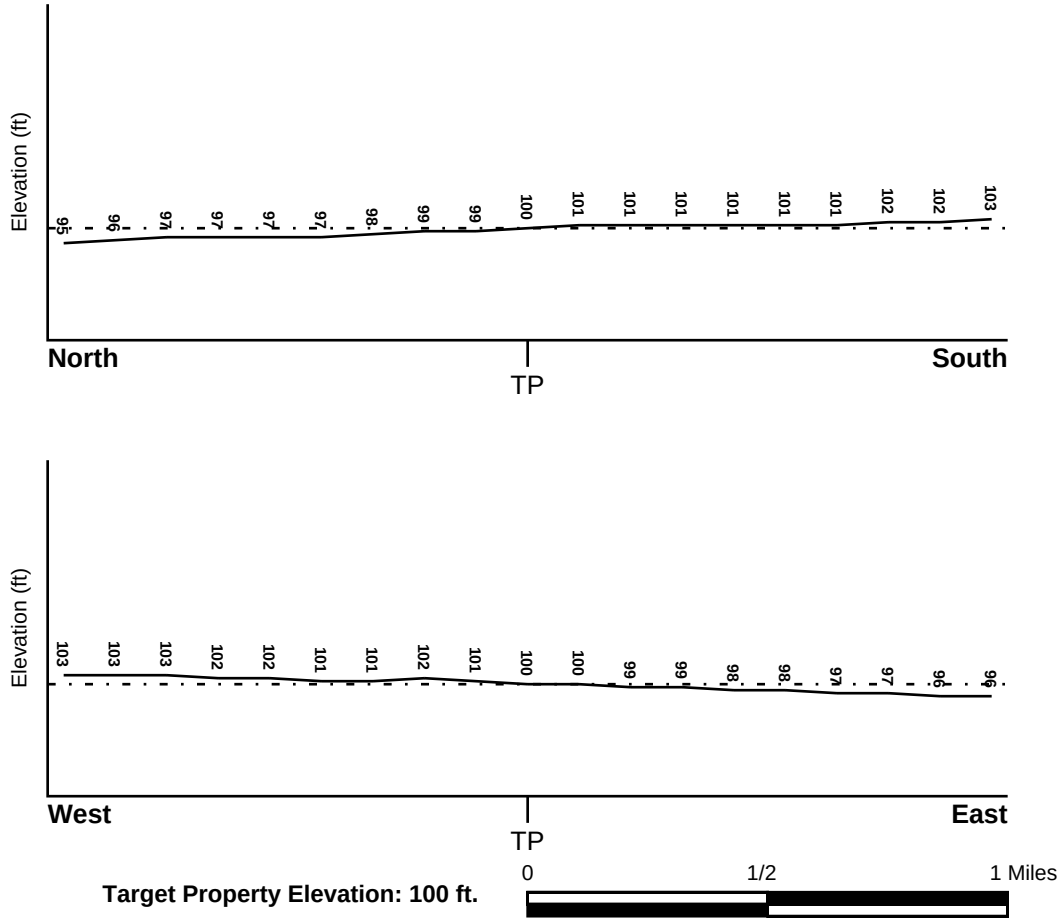
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
06047C0850G	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
Not Reported	

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
LOS BANOS	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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

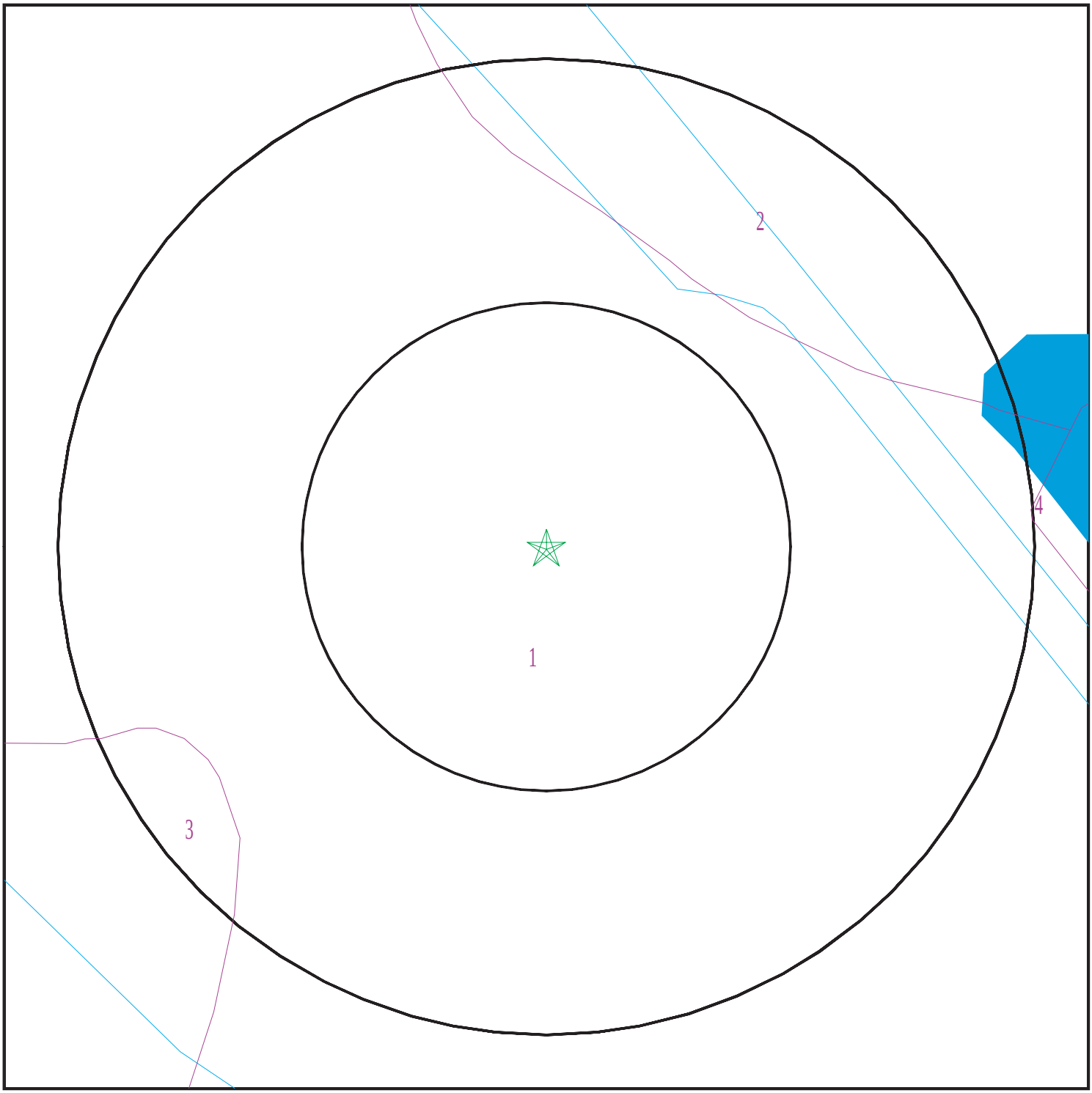
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 7351896.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	Los Banos Recharge/SW Basin	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	Santa Fe Grade Los Banos CA 93635	CONTACT:	Darylyn Tachella
LAT/LONG:	37.084096 / 120.818902	INQUIRY #:	7351896.2s
		DATE:	June 01, 2023 3:14 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: WOO

Soil Surface Texture: clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	14 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 2

Soil Component Name: STANISLAUS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	16 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
2	16 inches	50 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4
3	50 inches	59 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: STANISLAUS

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	18 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
2	18 inches	38 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4
3	38 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: Miscellaneous water

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A2	USGS40000180987	1/8 - 1/4 Mile ENE
B5	USGS40000180984	1/4 - 1/2 Mile ENE
C11	USGS40000180981	1/2 - 1 Mile West
E21	USGS40000180883	1/2 - 1 Mile SSW
23	USGS40000180881	1/2 - 1 Mile SSE
F25	USGS40000180877	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	CADWR0000006225	1/8 - 1/4 Mile NE
A3	CAUSGSN00007220	1/8 - 1/4 Mile ENE
A4	CADWR9000033503	1/8 - 1/4 Mile ENE
B6	CADWR9000033497	1/4 - 1/2 Mile ENE
B7	CADWR0000032265	1/4 - 1/2 Mile ENE
B8	CAUSGSN00009324	1/4 - 1/2 Mile ENE
9	CADWR0000030946	1/2 - 1 Mile WSW
C10	CAUSGSN00002125	1/2 - 1 Mile West
12	CADDW0000001387	1/2 - 1 Mile WSW
13	CADWR0000001638	1/2 - 1 Mile West
14	10224	1/2 - 1 Mile WSW
D15	CADWR9000033525	1/2 - 1 Mile WNW
D16	CADWR0000015295	1/2 - 1 Mile WNW
17	CADWR9000033433	1/2 - 1 Mile SE
18	CADWR9000033495	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

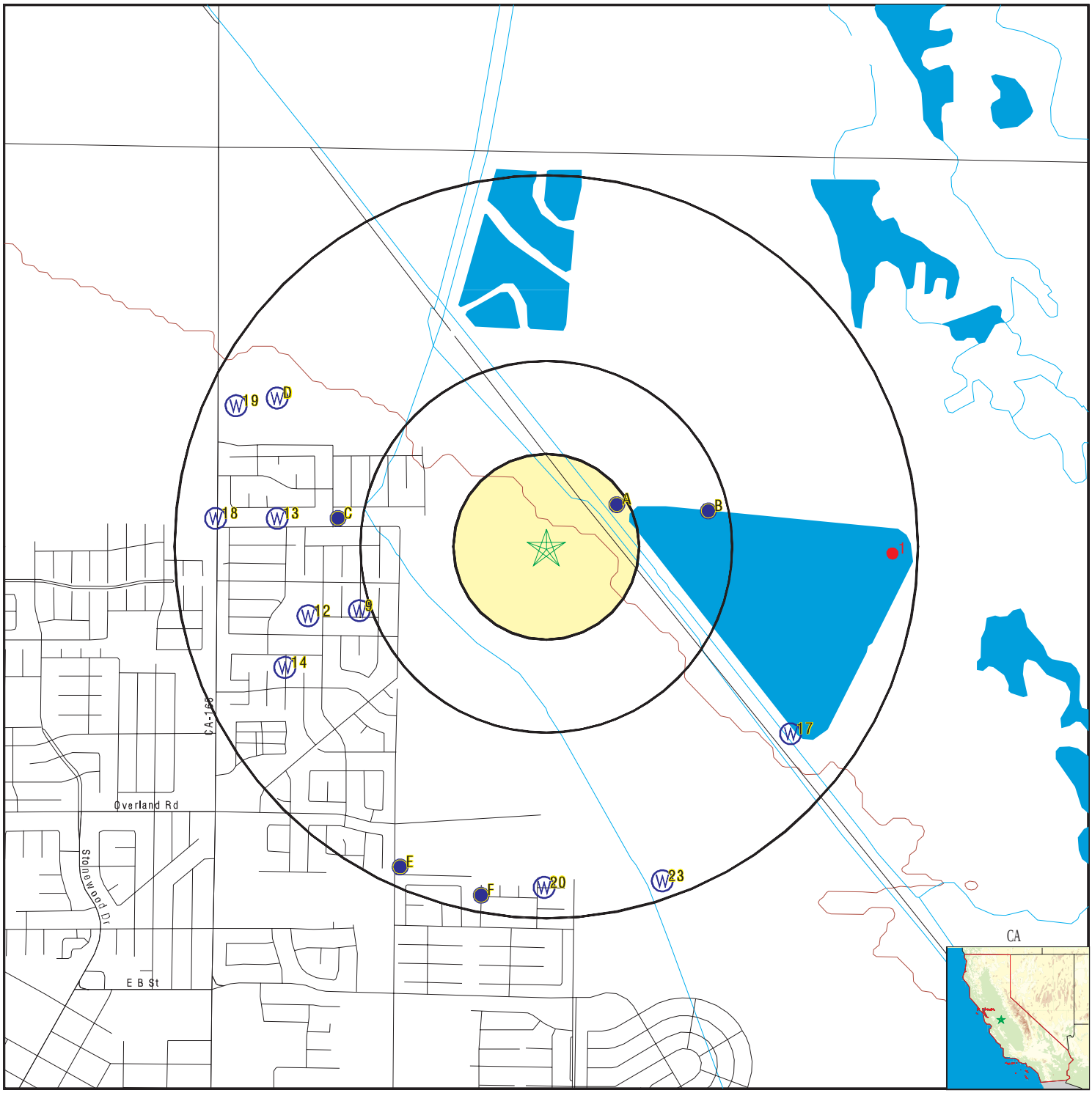
MAP ID	WELL ID	LOCATION FROM TP
19	CADWR9000033524	1/2 - 1 Mile WNW
20	CADWR0000002995	1/2 - 1 Mile South
E22	CADWR9000033391	1/2 - 1 Mile SSW
F24	CADWR9000033379	1/2 - 1 Mile South

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CAOG15000006856	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 7351896.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Los Banos Recharge/SW Basin	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	Santa Fe Grade Los Banos CA 93635	CONTACT:	Darylyn Tachella
LAT/LONG:	37.084096 / 120.818902	INQUIRY #:	7351896.2s
		DATE:	June 01, 2023 3:14 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
NE
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR0000006225**

Well ID:	10S11E06N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	10S11E06N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=10S11E06N001M&store_num=		
GeoTracker Data:	Not Reported		

A2
ENE
1/8 - 1/4 Mile
Lower

FED USGS **USGS40000180987**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	010S011E06N001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	19480101	Well Depth:	185
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

A3
ENE
1/8 - 1/4 Mile
Lower

CA WELLS **CAUSGSN00007220**

Well ID:	USGS-370509120485201	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-370509120485201	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-370509120485201&store_num=		
GeoTracker Data:	Not Reported		

A4
ENE
1/8 - 1/4 Mile
Lower

CA WELLS **CADWR9000033503**

State Well #:	10S11E06N001M	Station ID:	30311
Well Name:	Not Reported	Basin Name:	Delta-Mendota
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

B5
ENE
1/4 - 1/2 Mile
Lower

FED USGS **USGS40000180984**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	010S011E06P001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	19480101	Well Depth:	175
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1966-10-01
Feet below surface:	14.00	Feet to sea level:	Not Reported
Note:	Not Reported		

B6
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR9000033497**

State Well #:	10S11E06P001M	Station ID:	11280
Well Name:	Not Reported	Basin Name:	Delta-Mendota
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

B7
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CADWR0000032265**

Well ID:	10S11E06P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	10S11E06P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=10S11E06P001M&store_num=		
GeoTracker Data:	Not Reported		

B8
ENE
1/4 - 1/2 Mile
Lower

CA WELLS **CAUSGSN00009324**

Well ID:	USGS-370508120483601	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-370508120483601	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-370508120483601&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

9
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000030946**

Well ID:	10S10E12B001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	10S10E12B001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=10S10E12B001M&store_num=		
GeoTracker Data:	Not Reported		

C10
West
1/2 - 1 Mile
Higher

CA WELLS **CAUSGSN00002125**

Well ID:	USGS-370507120494101	Well Type:	UNK
Source:	United States Geological Survey		
Other Name:	USGS-370507120494101	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=USGSNEW&samp_date=&global_id=&assigned_name=USGS-370507120494101&store_num=		
GeoTracker Data:	Not Reported		

C11
West
1/2 - 1 Mile
Higher

FED USGS **USGS40000180981**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	010S010E01P001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Alluvium Above E-Clay	Aquifer Type:	Not Reported
Construction Date:	19520101	Well Depth:	179
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1966-10-01
Feet below surface:	18.00	Feet to sea level:	Not Reported
Note:	Not Reported		

12
WSW
1/2 - 1 Mile
Higher

CA WELLS **CADDW0000001387**

Well ID:	2410005-008	Well Type:	MUNICIPAL
Source:	Department of Health Services		
Other Name:	WELL 08 - IRRIGATION ONLY	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DHS&samp_date=&global_id=&assigned_name=2410005-008&store_num=		

GeoTracker Data: Not Reported

13
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000001638**

Well ID:	10S10E01P001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	10S10E01P001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=10S10E01P001M&store_num=		
GeoTracker Data:	Not Reported		

14
WSW
1/2 - 1 Mile
Higher

CA WELLS **10224**

Seq:	10224	Prim sta c:	10S/10E-12E01 M
Frds no:	2410005008	County:	24
District:	11	User id:	AGE
System no:	2410005	Water type:	G
Source nam:	WELL 08	Station ty:	WELL/AMBNT/MUN/INTAKE
Latitude:	370446.0	Longitude:	1204950.0
Precision:	2	Status:	AR
Comment 1:	Not Reported	Comment 2:	Not Reported
Comment 3:	Not Reported	Comment 4:	Not Reported
Comment 5:	Not Reported	Comment 6:	Not Reported
Comment 7:	Not Reported		

System no:	2410005	System nam:	Los Banos-City
Hqname:	Not Reported	Address:	520 J ST.
City:	LOS BANOS	State:	CA
Zip:	93635	Zip ext:	Not Reported
Pop serv:	18100	Connection:	5708
Area serve:	LOS BANOS		

D15
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000033525**

State Well #:	10S10E01M001M	Station ID:	12838
Well Name:	10S10E01M001M	Basin Name:	Delta-Mendota
Well Use:	Irrigation	Well Type:	Single Well
Well Depth:	210	Well Completion Rpt #:	Not Reported

D16
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000015295**

Well ID:	10S10E01M001M	Well Type:	UNK
Source:	Department of Water Resources		

Other Name:	10S10E01M001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=10S10E01M001M&store_num=		
GeoTracker Data:	Not Reported		

17
SE
1/2 - 1 Mile
Lower

CA WELLS **CADWR9000033433**

State Well #:	10S11E07K002M	Station ID:	11281
Well Name:	10S11E07K002M	Basin Name:	Delta-Mendota
Well Use:	Irrigation	Well Type:	Single Well
Well Depth:	245	Well Completion Rpt #:	Not Reported

18
West
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000033495**

State Well #:	10S10E02R002M	Station ID:	33638
Well Name:	069	Basin Name:	Delta-Mendota
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

19
WNW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000033524**

State Well #:	10S10E01M002M	Station ID:	33635
Well Name:	Not Reported	Basin Name:	Delta-Mendota
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

20
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR0000002995**

Well ID:	10S11E07N001M	Well Type:	UNK
Source:	Department of Water Resources		
Other Name:	10S11E07N001M	GAMA PFAS Testing:	Not Reported
Groundwater Quality Data:	https://gamagroundwater.waterboards.ca.gov/gama/gamamap/public/GamaDataDisplay.asp?dataset=DWR&samp_date=&global_id=&assigned_name=10S11E07N001M&store_num=		
GeoTracker Data:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

E21
SSW
1/2 - 1 Mile
Higher

FED USGS **USGS40000180883**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	010S010E12Q001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	Not Reported
Well Depth Units:	Not Reported	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1966-10-01
Feet below surface:	20.00	Feet to sea level:	Not Reported
Note:	Not Reported		

E22
SSW
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000033391**

State Well #:	10S10E12Q001M	Station ID:	12857
Well Name:	Not Reported	Basin Name:	Delta-Mendota
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

23
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS40000180881**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	010S011E07N001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	19490101	Well Depth:	204
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1966-11-01
Feet below surface:	16.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

F24
South
1/2 - 1 Mile
Higher

CA WELLS **CADWR9000033379**

State Well #:	10S10E13B001M	Station ID:	12858
Well Name:	Not Reported	Basin Name:	Delta-Mendota
Well Use:	Unknown	Well Type:	Unknown
Well Depth:	0	Well Completion Rpt #:	Not Reported

F25
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000180877**

Organization ID:	USGS-CA		
Organization Name:	USGS California Water Science Center		
Monitor Location:	010S010E13B001M	Type:	Well
Description:	Not Reported	HUC:	18040001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Central Valley aquifer system		
Formation Type:	Not Reported	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	32
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

Ground water levels,Number of Measurements:	1	Level reading date:	1966-10-01
Feet below surface:	2.00	Feet to sea level:	Not Reported
Note:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
East **OIL_GAS** **CAOG15000006856**
1/2 - 1 Mile

API #:	0404700060	Well #:	1
Well Status:	Plugged	Well Type:	Dry Hole
Well Design:	Castaic-Highlands-Duncan-Davis 1		
Lease Name:	Castaic-Highlands-Duncan-Davis		
Operator ID:	01437	Field Name:	Any Field
Area Name:	Any Area	Place:	Los Banos
GIS Source:	hud	Confidential Well:	N
Directionally Drilled:	N	Spud Date:	04/23/1955

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zipcode	Num Tests	> 4 pCi/L
93635	20	0

Federal EPA Radon Zone for MERCED County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 93635

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.100 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

Groundwater Ambient Monitoring & Assessment Program
State Water Resources Control Board
Telephone: 916-341-5577
The GAMA Program is Californias comprehensive groundwater quality monitoring program. GAMA collects data by testing the untreated, raw water in different types of wells for naturally-occurring and man-made chemicals. The GAMA data includes Domestic, Monitoring and Municipal well types from the following sources, Department of Water Resources, Department of Heath Services, EDF, Agricultural Lands, Lawrence Livermore National Laboratory, Department of Pesticide Regulation, United States Geological Survey, Groundwater Ambient Monitoring and Assessment Program and Local Groundwater Projects.

Water Well Database
Source: Department of Water Resources
Telephone: 916-651-9648

California Drinking Water Quality Database
Source: Department of Public Health
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations
Source: Dept of Conservation, Geologic Energy Management Division
Telephone: 916-323-1779
Oil and Gas well locations in the state.

California Earthquake Fault Lines
Source: California Division of Mines and Geology
The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

RADON

State Database: CA Radon
Source: Department of Public Health
Telephone: 916-210-8558
Radon Database for California

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

STREET AND ADDRESS INFORMATION

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Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.2s
June 5, 2023

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	1.0	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.5	0	0	0
Federal ERNS list	0.001	0	0	-
Lists of state- and tribal (Superfund) equivalent sites	1.0	0	0	0
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.5	0	0	1
Lists of state and tribal leaking storage tanks	0.5	0	0	0
Lists of state and tribal registered storage tanks	0.25	0	0	0
State and tribal institutional control / engineering control registries	not searched	-	-	-
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	1.0	0	0	0
Local Lists of Registered Storage Tanks	0.25	0	0	0
Local Land Records	0.5	0	0	0
Records of Emergency Release Reports	0.5	0	0	0
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	1.0	0	0	0
Exclusive Recovered Govt. Archives	0.001	0	0	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

LOS BANOS RECHARGE/SW BASIN
SANTA FE GRADE
LOS BANOS, CA 93635

COORDINATES

Latitude (North):	37.084096 - 37° 5′ 2.7420044″
Longitude (West):	120.818902 - 120° 49′ 8.043823″
Elevation:	100 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

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

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
CITY OF LOS BANOS DISPOSAL SITE	894 DEL RIO DR. LOS BANOS, CA 93635	1/10 - 1/3 WNW	▲ 1	8
SWF/LF: SWF/LF (SWIS)				

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR HIGH RISK HISTORICAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 7351896.2S



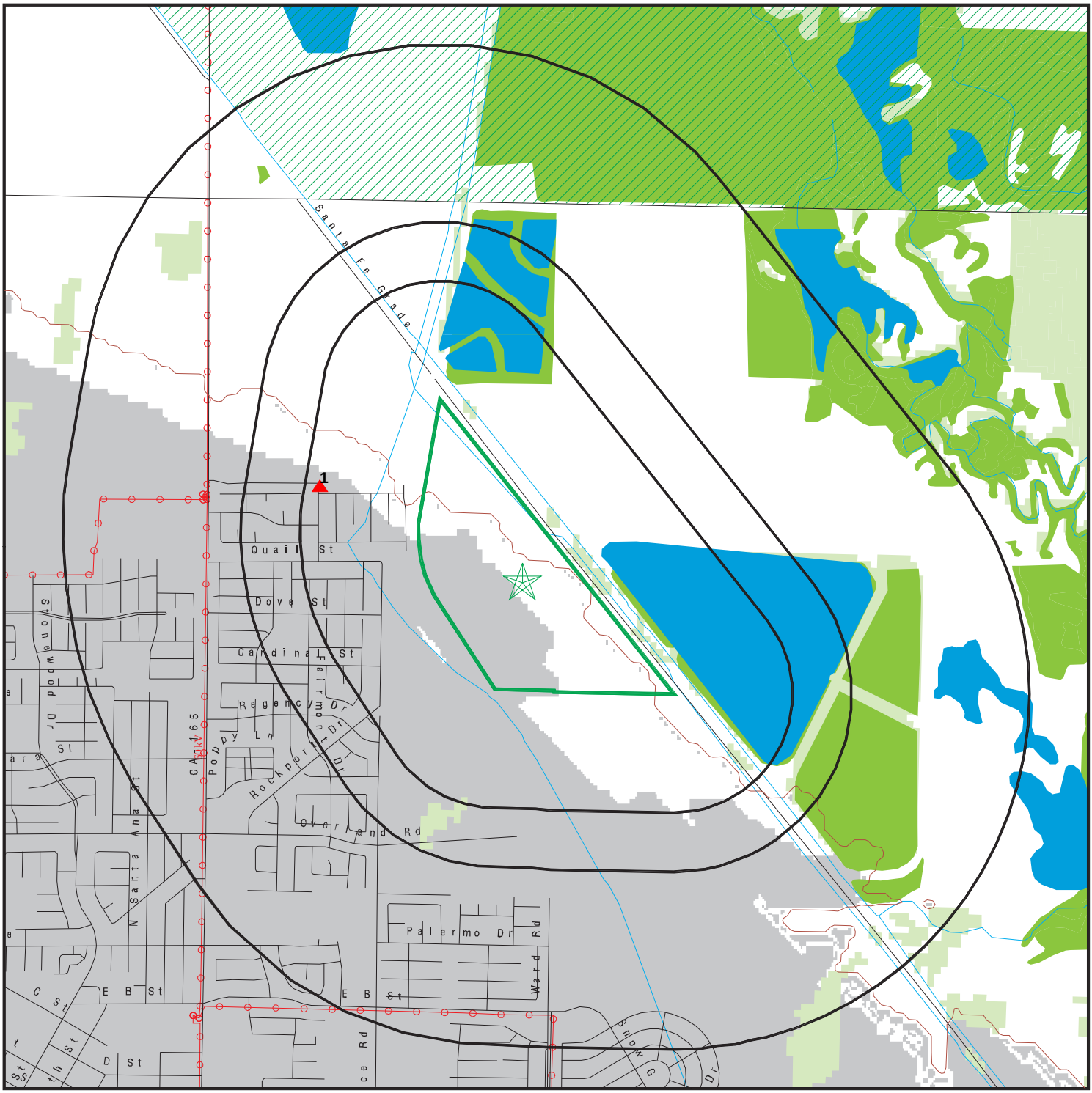
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Areas of Concern

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

SITE NAME:	Los Banos Recharge/SW Basin	CLIENT:	Provost & Pritchard Eng. Group
ADDRESS:	Santa Fe Grade Los Banos CA 93635	CONTACT:	Darylyn Tachella
LAT/LONG:	37.084096 / 120.818902	INQUIRY #:	7351896.2s
		DATE:	June 01, 2023 3:13 pm

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SECONDARY MAP - 7351896.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory
- State Wetlands
- Upgradient Area
- Areas of Concern

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

SITE NAME: Los Banos Recharge/SW Basin	CLIENT: Provost & Pritchard Eng. Group
ADDRESS: Santa Fe Grade Los Banos CA 93635	CONTACT: Darylyn Tachella
LAT/LONG: 37.084096 / 120.818902	INQUIRY #: 7351896.2s DATE: June 01, 2023 3:13 pm

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MAP FINDINGS

LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

CITY OF LOS BANOS DISPOSAL SITE 894 DEL RIO DR. LOS BANOS, CA 93635, LOS BANOS, CA, 93635		S120834612
▲ 1	WNW 1/10 - 1/3 (1537 ft. / 0.291 mi.) 1 ft. Higher Elevation 101 ft. Above Sea Level	Lists of state and tribal landfills and solid waste disposal facilities

Worksheet:

Impact on Target Property: VEC does not exist
Conditions:

Chemicals of Concern: YES
Groundwater Flow Gradient:

Crossgradient: YES

SWF/LF (SWIS): Lists of state and tribal landfills and solid waste disposal facilities

Name:	CITY OF LOS BANOS DISPOSAL SITE
Address:	894 DEL RIO DR. LOS BANOS, CA 93635
City,State,Zip:	LOS BANOS, CA 93635
Region:	STATE
Facility ID:	24-AA-0007
SWIS Number:	24-AA-0007
Point of Contact:	Abel Martinez-Centeno
Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not Reported
Operational Status:	Closed
Absorbed By:	Not Reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	110014004362
ARB District:	San Joaquin Valley Unified
SWRCB Region:	Central Valley

CITY OF LOS BANOS DISPOSAL SITE, 894 DEL RIO DR. LOS BANOS, CA 93635, LOS BANOS, CA 93635 (Continued)

Local Government:	Los Banos
Reporting Agency Legal Name:	County of Merced
Reporting Agency Department:	Community and Economic Development Department
Enforcing Agency Legal Name:	County of Merced
Enforcing Agency Department:	Community and Economic Development Department
Regulation Status:	Pre-regulation

Activity:

SWIS Number:	24-AA-0007
Site Name:	City of Los Banos Disposal Site
Activity:	Solid Waste Disposal Site
Activity Is Archived:	No
Category:	Disposal
Activity Classification:	Solid Waste Disposal Site
WDR Number:	Not Reported
WDR Landfill Class:	Not Reported
Cease Operation:	Not Reported
Cease Operation Type:	Not Reported
Inspection Frequency:	Quarterly
Throughput:	Not Reported
Throughput Units:	Not Reported
Remaining Capacity:	Not Reported
Remaining Capacity Date:	Not Reported
Capacity:	Not Reported
Capacity Units:	Not Reported
Total Acreage:	0
Disposal Acreage:	0
Permitted Elevation:	Not Reported
Permitted Elevation Type:	Not Reported
Permitted Depth:	Not Reported
Permitted Depth Type:	Not Reported
Point of Contact:	Abel Martinez-Centeno
Site Operational Status:	Closed
Site Regulatory Status:	Pre-regulation
Site Is Archived:	No
Is Closed Illegal Abandoned:	Yes
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not Reported
Absorbed By:	Not Reported
Closed Illegal Abandoned Category:	C1
EPA Federal Registry ID:	1.1001400436e+11
County:	Merced
ARB District:	San Joaquin Valley Unified
SWRCB Region:	Central Valley
Local Government:	Los Banos
Street Address:	894 Del Rio Dr. Los Banos, CA 93635
City:	Los Banos
State:	CA
ZIP Code:	93635

CITY OF LOS BANOS DISPOSAL SITE, 894 DEL RIO DR. LOS BANOS, CA 93635, LOS BANOS, CA 93635 (Continued)

Reporting Agency Legal Name:	County of Merced
Reporting Agency Department:	Community and Economic Development Department
Enforcing Agency Legal Name:	County of Merced
Enforcing Agency Department:	Community and Economic Development Department

Operator:

SWIS Number:	24-AA-0007
Site Name:	City of Los Banos Disposal Site
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Pre-regulation
Latitude:	37.08887
Longitude:	-120.82949
Is Archived:	No
Operator:	City Of Los Banos Public Works Dept
Started On:	Not Reported
Contact Name:	Thomas Livingston
Contact Title:	Public Works Director
Contact Email:	Not Reported
Contact Phone:	(209) 826-0280
Street Address:	10397 West Walnut Avenue
Operator City:	Livingston
Operator State:	CA
Operator Zip:	Not Reported

Owner:

SWIS Number:	24-AA-0007
Owner:	City Of Los Banos Public Works Dept
Owner Address:	10397 West Walnut Avenue
Owner City:	Livingston
Owner State:	CA
Owner Zip:	Not Reported
Site Name:	City of Los Banos Disposal Site
Site Operational Status:	Closed
Site Type:	Disposal Only
Site Regulatory Status:	Pre-regulation
Latitude:	37.08887
Longitude:	-120.82949
Is Archived:	No
Started On:	Not Reported
Contact Name:	Thomas Livingston
Contact Title:	Public Works Director
Contact Email:	Not Reported
Contact Phone:	(209) 826-0280

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	04/26/2023	05/02/2023	05/17/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	04/26/2023	05/02/2023	05/17/2023
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	04/26/2023	05/02/2023	05/17/2023
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	03/06/2023	03/09/2023	03/20/2023
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	02/08/2023	02/09/2023	05/02/2023
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	02/20/2023	02/21/2023	05/02/2023
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	03/20/2023	03/21/2023	05/30/2023
State and tribal - equivalent NPL						
CA	RESPONSE	State Response Sites	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023
State and tribal - equivalent CERCLIS						
CA	ENVIROSTOR	EnviroStor Database	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023
State and tribal landfill / solid waste disposal						
CA	SWF/LF (SWIS)	Solid Waste Information System	Department of Resources Recycling and Recover	02/06/2023	02/07/2023	04/26/2023
State and tribal leaking storage tank lists						
CA	LUST REG 4	Underground Storage Tank Leak List	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	LUST REG 5	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	07/01/2008	07/22/2008	07/31/2008
CA	LUST REG 7	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	02/26/2004	02/26/2004	03/24/2004
CA	LUST REG 8	Leaking Underground Storage Tanks	California Regional Water Quality Control Boa	02/14/2005	02/15/2005	03/28/2005
CA	LUST REG 3	Leaking Underground Storage Tank Database	California Regional Water Quality Control Boa	05/19/2003	05/19/2003	06/02/2003
CA	LUST REG 2	Fuel Leak List	California Regional Water Quality Control Boa	09/30/2004	10/20/2004	11/19/2004
CA	LUST REG 1	Active Toxic Site Investigation	California Regional Water Quality Control Boa	02/01/2001	02/28/2001	03/29/2001

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST REG 6V	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	06/07/2005	06/07/2005	06/29/2005
CA	LUST	Leaking Underground Fuel Tank Report (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/30/2023
CA	LUST REG 6L	Leaking Underground Storage Tank Case Listing	California Regional Water Quality Control Boa	09/09/2003	09/10/2003	10/07/2003
CA	LUST REG 9	Leaking Underground Storage Tank Report	California Regional Water Quality Control Boa	03/01/2001	04/23/2001	05/21/2001
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/26/2022	12/06/2022	03/03/2023
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	11/23/2022	12/06/2022	03/03/2023
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	10/19/2022	12/06/2022	03/03/2023
CA	CPS-SLIC	Statewide SLIC Cases (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	SLIC REG 1	Active Toxic Site Investigations	California Regional Water Quality Control Boa	04/03/2003	04/07/2003	04/25/2003
CA	SLIC REG 2	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board San Fran	09/30/2004	10/20/2004	11/19/2004
CA	SLIC REG 3	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	05/18/2006	05/18/2006	06/15/2006
CA	SLIC REG 4	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Region Water Quality Control Board Los Angele	11/17/2004	11/18/2004	01/04/2005
CA	SLIC REG 5	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board Central	04/01/2005	04/05/2005	04/21/2005
CA	SLIC REG 6V	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	Regional Water Quality Control Board, Victorv	05/24/2005	05/25/2005	06/16/2005
CA	SLIC REG 6L	SLIC Sites	California Regional Water Quality Control Boa	09/07/2004	09/07/2004	10/12/2004
CA	SLIC REG 7	SLIC List	California Regional Quality Control Board, Co	11/24/2004	11/29/2004	01/04/2005
CA	SLIC REG 8	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Region Water Quality Control Board	04/03/2008	04/03/2008	04/14/2008
CA	SLIC REG 9	Spills, Leaks, Investigation & Cleanup Cost Recovery Listing	California Regional Water Quality Control Boa	09/10/2007	09/11/2007	09/28/2007
State and tribal registered storage tank lists						
CA	UST	Active UST Facilities	SWRCB	03/06/2023	03/07/2023	05/24/2023
CA	MILITARY UST SITES	Military UST Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	UST CLOSURE	Proposed Closure of Underground Storage Tank (UST) Cases	State Water Resources Control Board	02/23/2023	03/07/2023	05/26/2023
CA	AST	Aboveground Petroleum Storage Tank Facilities	California Environmental Protection Agency	07/06/2016	07/12/2016	09/19/2016
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/23/2022	12/06/2022	04/19/2023
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	10/19/2022	12/06/2022	03/03/2023
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	10/14/2022	12/06/2022	03/03/2023
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	11/23/2022	12/06/2022	03/03/2023
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/23/2022	12/06/2022	03/03/2023
US	FEMA UST	Underground Storage Tank Listing	FEMA	03/08/2023	03/09/2023	05/30/2023
State and tribal voluntary cleanup sites						
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
CA	VCP	Voluntary Cleanup Program Properties	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal Brownfields sites						
CA	BROWNFIELDS	Considered Brownfieds Sites Listing	State Water Resources Control Board	12/14/2022	12/14/2022	03/07/2023
Other Records						
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	12/31/2022	01/12/2023	04/07/2023
US	ROD	Records Of Decision	EPA	04/26/2023	05/02/2023	05/17/2023
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
CA	HIST CAL-SITES	Calsites Database	Department of Toxic Substance Control	08/08/2005	08/03/2006	08/24/2006
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
CA	SWRCY	Recycler Database	Department of Conservation	03/06/2023	03/07/2023	05/24/2023
CA	CA FID UST	Facility Inventory Database	California Environmental Protection Agency	10/31/1994	09/05/1995	09/29/1995
CA	HIST UST	Hazardous Substance Storage Container Database	State Water Resources Control Board	10/15/1990	01/25/1991	02/12/1991
CA	SAN FRANCISCO AST	Aboveground Storage Tank Site Listing	San Francisco County Department of Public Hea	02/03/2023	02/07/2023	04/25/2023
CA	SWEEPS UST	SWEEPS UST Listing	State Water Resources Control Board	06/01/1994	07/07/2005	08/11/2005
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2020	11/30/2021	02/22/2022
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	04/26/2023	05/02/2023	05/17/2023
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	03/13/2023	03/21/2023	05/30/2023
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	07/26/2021	07/27/2021	10/22/2021
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	EPA WATCH LIST	EPA WATCH LIST	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	Delisted NPL	National Priority List Deletions	EPA	04/26/2023	05/02/2023	05/17/2023
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	04/26/2023	05/02/2023	05/17/2023
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	03/06/2023	03/09/2023	03/20/2023
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	03/19/2023	03/21/2023	05/30/2023
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	01/02/2020	01/28/2020	04/17/2020
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	01/06/2023	02/02/2023	02/10/2023
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	04/06/2023	04/13/2023	04/19/2023
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	02/01/2023	02/14/2023	05/02/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	08/30/2019	11/15/2019	01/28/2020
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/02/2023	02/22/2023	05/17/2023
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	02/27/2023	03/01/2023	03/24/2023
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	01/07/2022	02/24/2023	05/17/2023
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	04/26/2023	05/02/2023	05/17/2023
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2021	02/16/2023	05/02/2023
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	SSTS	Section 7 Tracking Systems	EPA	01/17/2023	01/18/2023	04/19/2023
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	PADS	PCB Activity Database System	EPA	11/03/2022	01/04/2023	04/03/2023
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	03/15/2023	03/21/2023	05/30/2023
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	FINDS	Facility Index System/Facility Registry System	EPA	02/02/2023	02/28/2023	03/24/2023
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RMP	Risk Management Plans	Environmental Protection Agency	04/27/2022	05/04/2022	05/10/2022
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2021	03/09/2023	03/20/2023
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	04/01/2014	08/06/2014	01/29/2015
US	ABANDONED MINES	Abandoned Mines	Department of Interior	03/17/2023	03/17/2023	05/30/2023
CA	CA BOND EXP. PLAN	Bond Expenditure Plan	Department of Health Services	01/01/1989	07/27/1994	08/02/1994
CA	CDL	Clandestine Drug Labs	Department of Toxic Substances Control	12/31/2020	11/30/2022	02/09/2023
CA	CHMIRS	California Hazardous Material Incident Report System	Office of Emergency Services	08/02/2022	10/17/2022	01/04/2023
CA	CORTESE	"Cortese" Hazardous Waste & Substances Sites List	CAL EPA/Office of Emergency Information	12/14/2022	12/14/2022	03/07/2023
CA	CUPA LIVERMORE-PLEASANTON	CUPA Facility Listing	Livermore-Pleasanton Fire Department	12/07/2021	05/09/2022	05/17/2022
CA	DEED	Deed Restriction Listing	DTSC and SWRCB	02/27/2023	02/28/2023	05/17/2023
CA	DRYCLEAN NO SONOMA CO DIST	Norther Sonoma County County Air Pollution Control District	Santa Barbara County Air Pollution Control Di	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN PLACER CO DIST	Placer County Air Quality Management District Drycleaner Fac	Placer County Air Quality Management District	01/16/2018	04/19/2019	05/01/2023
CA	DRYCLEAN BAY AREA DIST	Bay Area Air Quality Management District Drycleaner Facility	Bay Area Air Quality Management District	02/20/2019	05/30/2019	05/01/2023
CA	DRYCLEAN BUTTE CO DIST	Butte County Air Quality Management DistrictDrycleaner Facil	Butte County Air Quality Management District	12/31/2018	04/23/2019	05/01/2023
CA	DRYCLEAN CALAVERAS CO DIST	Calaveras County Environmental Management Agency Drycleaner	Calaveras County Environmental Management Age	06/17/2019	06/19/2019	05/01/2023
CA	DRYCLEAN EAST KERN DIST	Eastern Kern Air Pollution Control District District Dryclea	Eastern Kern Air Pollution Control District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN GLENN CO DIST	Glenn County Air Pollution Control District Drycleaner Facil	Glenn County Air Pollution Control District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN GRANT	Grant Recipients List	California Air Resources Board	12/31/2020	02/04/2021	05/01/2023
CA	DRYCLEAN IMPERIAL CO DIST	Imperial County Air Pollution Control District Drycleaner Fa	Imperial County Air Pollution Control Distric	05/14/2019	05/17/2019	05/01/2023
CA	DRYCLEAN LAKE CO DIST	Lake County Air Quality Management District Drycleaner Facil	Lake County Air Quality Management District	04/29/2019	05/07/2019	05/01/2023
CA	DRYCLEAN MENDO CO DIST	Mendocino County Air Quality Management District Drycleaner	Mendocino County Air Quality Management Distr	02/08/2019	05/21/2019	05/01/2023
CA	DRYCLEAN MOJAVE DESERT DIST	Mojave Desert Air Quality Management District Drycleaner Fac	Mojave Desert Air Quality Management District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN MONTEREY BAY DIST	Monterey Bay Air Quality Management District Drycleaner Faci	Monterey Bay Air Quality Management District	04/17/2019	04/17/2019	05/01/2023
CA	DRYCLEAN NO COAST UNIFIED DIST	North Coast Unified Air Quality Management District Dryclean	North Coast Unified Air Quality Management Di	11/30/2016	04/19/2019	05/01/2023
CA	DRYCLEAN NO SIERRA DIST	Northern Sierra Air Quality Management District Drycleaner F	Northern Sierra Air Quality Management Distri	05/07/2019	05/07/2019	05/01/2023
CA	DRYCLEAN SAN DIEGO CO DIST	San Diego County Air Pollution Control District Drycleaner F	San Diego County Air Pollution Control Distri	02/01/2019	05/01/2019	05/01/2023
CA	DRYCLEAN SACRAMENTO METRO DIST	Sacramento Metropolitan Air Quality Management DistrictDrycl	Sacramento Metropolitan Air Quality Managemen	04/24/2019	04/25/2019	05/01/2023
CA	DRYCLEAN SANTA BARB CO DIST	Santa Barbara County Air Pollution Control District Dryclean	Santa Barbara County Air Pollution Control Di	02/19/2019	04/17/2019	05/01/2023
CA	DRYCLEAN SAN JOAQ VAL DIST	San Joaquin Valley Air Pollution Control District District D	San Joaquin Valley Air Pollution Control Dist	05/01/2019	05/03/2019	05/01/2023
CA	DRYCLEAN SAN LUIS OB CO DIST	San Luis Obispo County Air Pollution Control District Drycle	San Luis Obispo County Air Pollution Control	04/23/2019	04/25/2019	05/01/2023
CA	DRYCLEAN SHASTA CO DIST	Shasta County Air Quality Management District District Drycl	Shasta County Air Quality Management District	04/17/2019	04/19/2019	05/01/2023
CA	DRYCLEAN TEHAMA CO DIST	Tehama County Air Pollution Control District Drycleaner Faci	Tehama County Air Pollution Control District	04/24/2019	04/24/2019	05/01/2023
CA	DRYCLEAN YOLO-SOLANO DIST	Yolo-Solano Air Quality Management District Drycleaner Facil	Yolo-Solano Air Quality Management District	05/31/2019	06/06/2019	05/01/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	DRYCLEANERS	Cleaner Facilities	Department of Toxic Substance Control	08/27/2021	09/01/2021	11/19/2021
CA	DRYCLEAN VENTURA CO DIST	Drycleaner Facility Listing	Ventura County Air Pollution Control District	04/16/2019	04/17/2019	05/01/2023
CA	DRYCLEAN SOUTH COAST	South Coast Air Quality Management District Drycleaner Listi	South Coast Air Quality Management District	02/17/2023	02/17/2023	05/09/2023
CA	DRYCLEAN AVAQMD	Antelope Valley Air Quality Management District Drycleaner L	Antelope Valley Air Quality Management Distri	02/23/2023	02/24/2023	05/15/2023
CA	EMI	Emissions Inventory Data	California Air Resources Board	12/31/2020	06/13/2022	08/30/2022
CA	ENF	Enforcement Action Listing	State Water Resoruces Control Board	01/10/2023	01/18/2023	04/04/2023
CA	Financial Assurance 1	Financial Assurance Information Listing	Department of Toxic Substances Control	01/11/2023	01/17/2023	04/04/2023
CA	Financial Assurance 2	Financial Assurance Information Listing	California Integrated Waste Management Board	02/06/2023	02/15/2023	05/09/2023
CA	HAULERS	Registered Waste Tire Haulers Listing	Integrated Waste Management Board	11/16/2022	11/22/2022	02/13/2023
CA	HAZNET	Facility and Manifest Data	California Environmental Protection Agency	12/31/2021	07/05/2022	09/19/2022
CA	HIST CORTESE	Hazardous Waste & Substance Site List	Department of Toxic Substances Control	04/01/2001	01/22/2009	04/08/2009
CA	HWP	EnviroStor Permitted Facilities Listing	Department of Toxic Substances Control	02/13/2023	02/14/2023	05/08/2023
CA	HWT	Registered Hazardous Waste Transporter Database	Department of Toxic Substances Control	01/03/2023	01/04/2023	03/21/2023
CA	ICE	ICE	Department of Toxic Subsances Control	02/13/2023	02/14/2023	05/08/2023
CA	LDS	Land Disposal Sites Listing (GEOTRACKER)	State Water Qualilty Control Board	03/06/2023	03/07/2023	03/30/2023
CA	LIENS	Environmental Liens Listing	Department of Toxic Substances Control	02/23/2023	02/24/2023	03/23/2023
CA	MCS	Military Cleanup Sites Listing (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	MINES	Mines Site Location Listing	Department of Conservation	03/06/2023	03/07/2023	05/23/2023
CA	MWMP	Medical Waste Management Program Listing	Department of Public Health	01/09/2023	02/28/2023	05/17/2023
CA	NPDES	NPDES Permits Listing	State Water Resources Control Board	02/06/2023	02/07/2023	04/28/2023
CA	PEST LIC	Pesticide Regulation Licenses Listing	Department of Pesticide Regulation	02/27/2023	02/28/2023	05/22/2023
CA	PROC	Certified Processors Database	Department of Conservation	03/06/2023	03/07/2023	03/31/2023
CA	NOTIFY 65	Proposition 65 Records	State Water Resources Control Board	03/09/2023	03/10/2023	05/24/2023
CA	SAN JOSE HAZMAT	Hazardous Material Facilities	City of San Jose Fire Department	11/03/2020	11/05/2020	01/26/2021
CA	SCH	School Property Evaluation Program	Department of Toxic Substances Control	01/23/2023	01/24/2023	04/10/2023
CA	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	06/06/2012	01/03/2013	02/22/2013
CA	TOXIC PITS	Toxic Pits Cleanup Act Sites	State Water Resources Control Board	07/01/1995	08/30/1995	09/26/1995
CA	UIC	UIC Listing	Deaprtment of Conservation	03/06/2023	03/07/2023	03/31/2023
CA	WASTEWATER PITS	Oil Wastewater Pits Listing	RWQCB, Central Valley Region	02/11/2021	07/01/2021	09/29/2021
CA	WDS	Waste Discharge System	State Water Resources Control Board	06/19/2007	06/20/2007	06/29/2007
CA	WIP	Well Investigation Program Case List	Los Angeles Water Quality Control Board	07/03/2009	07/21/2009	08/03/2009
CA	WMUDS/SWAT	Waste Management Unit Database	State Water Resources Control Board	04/01/2000	04/10/2000	05/10/2000
CA	PROD WATER PONDS	Produced Water Ponds Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	PROJECT	Project Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	SAMPLING POINT	Sampling Point ? Public Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	UIC GEO	Underground Injection Control Sites (GEOTRACKER)	State Water Resource Control Board	03/06/2023	03/07/2023	03/31/2023
CA	OTHER OIL GAS	Other Oil & Gas Projects Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
CA	PFAS	PFAS Contamination Site Location Listing	State Water Resources Control Board	03/06/2023	03/07/2023	05/05/2023
CA	WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	WDR	Waste Discharge Requirements Listing	State Water Resources Control Board	03/06/2023	03/07/2023	05/24/2023
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	03/30/2023	03/30/2023	05/02/2023
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	01/03/2022	03/31/2022	11/08/2022
US	MINES MRDS	Mineral Resources Data System	USGS	08/23/2022	11/22/2022	02/28/2023
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
CA	CERS TANKS	California Environmental Reporting System (CERS) Tanks	California Environmental Protection Agency	01/06/2023	01/06/2023	01/11/2023

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	CERS HAZ WASTE	CERS HAZ WASTE	CalEPA	01/05/2023	01/06/2023	01/11/2023
CA	AQUEOUS FOAM	Former Fire Training Facility Assessments Listing	State Water Resources Control Board	03/06/2023	03/07/2023	05/23/2023
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	02/23/2022	07/08/2022	11/08/2022
CA	CERS	CalEPA Regulated Site Portal Data	California Environmental Protection Agency	01/05/2023	01/06/2023	01/10/2023
CA	HWTS	Hazardous Waste Tracking System	Department of Toxic Substances Control	04/05/2022	04/05/2022	04/26/2022
CA	CIWQS	California Integrated Water Quality System	State Water Resources Control Board	02/27/2023	02/28/2023	05/17/2023
CA	MILITARY PRIV SITES	Military Privatized Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
CA	NON-CASE INFO	Non-Case Information Sites (GEOTRACKER)	State Water Resources Control Board	03/06/2023	03/07/2023	03/31/2023
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	03/26/2023	03/28/2023	05/30/2023
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	01/01/2023	01/04/2023	04/03/2023
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	03/30/2023	03/30/2023	04/07/2023
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	03/07/2023	03/07/2023	03/24/2023
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	03/30/2023	03/30/2023	04/03/2023
US	UXO	Unexploded Ordnance Sites	Department of Defense	11/09/2021	10/20/2022	01/10/2023
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	02/13/2023	02/14/2023	04/19/2023
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	04/27/2023	04/27/2023	05/02/2023
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
CA	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Resources Recycling and Recover		07/01/2013	01/13/2014
CA	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	State Water Resources Control Board		07/01/2013	12/30/2013
COUNTY RECORDS						
CA	CS ALAMEDA	Contaminated Sites	Alameda County Environmental Health Services	01/09/2019	01/11/2019	03/05/2019
CA	UST ALAMEDA	Underground Tanks	Alameda County Environmental Health Services	12/28/2022	12/28/2022	03/17/2023
CA	CUPA AMADOR	CUPA Facility List	Amador County Environmental Health	01/31/2023	02/02/2023	04/19/2023
CA	CUPA BUTTE	CUPA Facility Listing	Public Health Department	04/21/2017	04/25/2017	08/09/2017
CA	CUPA CALVERAS	CUPA Facility Listing	Calveras County Environmental Health	12/13/2022	12/15/2022	12/21/2022
CA	CUPA COLUSA	CUPA Facility List	Health & Human Services	04/06/2020	04/23/2020	07/10/2020
CA	SL CONTRA COSTA	Site List	Contra Costa Health Services Department	12/28/2022	01/24/2023	04/10/2023
CA	CUPA DEL NORTE	CUPA Facility List	Del Norte County Environmental Health Divisio	02/13/2023	02/14/2023	05/08/2023
CA	CUPA EL DORADO	CUPA Facility List	El Dorado County Environmental Management Dep	08/08/2022	08/09/2022	09/01/2022
CA	CUPA FRESNO	CUPA Resources List	Dept. of Community Health	06/28/2021	12/21/2021	03/03/2022
CA	CUPA GLENN	CUPA Facility List	Glenn County Air Pollution Control District	01/22/2018	01/24/2018	03/14/2018
CA	CUPA HUMBOLDT	CUPA Facility List	Humboldt County Environmental Health	08/12/2021	08/12/2021	11/08/2021
CA	CUPA IMPERIAL	CUPA Facility List	San Diego Border Field Office	01/13/2023	01/17/2023	04/04/2023
CA	CUPA INYO	CUPA Facility List	Inyo County Environmental Health Services	04/02/2018	04/03/2018	06/14/2018
CA	CUPA KERN	CUPA Facility List	Kern County Public Health	01/30/2023	02/01/2023	04/19/2023
CA	UST KERN	Underground Storage Tank Sites & Tank Listing	Kern County Environment Health Services Depar	01/30/2023	02/01/2023	04/21/2023
CA	CUPA KINGS	CUPA Facility List	Kings County Department of Public Health	12/03/2020	01/26/2021	04/14/2021
CA	CUPA LAKE	CUPA Facility List	Lake County Environmental Health	04/26/2023	04/27/2023	05/31/2023
CA	CUPA LASSEN	CUPA Facility List	Lassen County Environmental Health	07/31/2020	08/21/2020	11/09/2020

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	AOCONCERN	Key Areas of Concerns in Los Angeles County		03/30/2009	03/31/2009	10/23/2009
CA	HMS LOS ANGELES	HMS: Street Number List	Department of Public Works	01/09/2023	01/12/2023	03/29/2023
CA	LF LOS ANGELES	List of Solid Waste Facilities	La County Department of Public Works	01/09/2023	01/10/2023	03/23/2023
CA	LF LOS ANGELES CITY	City of Los Angeles Landfills	Engineering & Construction Division	12/31/2022	01/12/2023	03/29/2023
CA	LOS ANGELES AST	Active & Inactive AST Inventory	Los Angeles Fire Department	06/01/2019	06/25/2019	08/22/2019
CA	LOS ANGELES CO LF METHANE	Methane Producing Landfills	Los Angeles County Department of Public Works	01/10/2022	01/12/2022	04/04/2022
CA	LOS ANGELES HM	Active & Inactive Hazardous Materials Inventory	Los Angeles Fire Department	11/01/2022	12/14/2022	03/07/2023
CA	LOS ANGELES UST	Active & Inactive UST Inventory	Los Angeles Fire Department	11/01/2022	12/14/2022	03/07/2023
CA	SITE MIT LOS ANGELES	Site Mitigation List	Community Health Services	05/26/2021	07/09/2021	09/29/2021
CA	UST EL SEGUNDO	City of El Segundo Underground Storage Tank	City of El Segundo Fire Department	01/21/2017	04/19/2017	05/10/2017
CA	UST LONG BEACH	City of Long Beach Underground Storage Tank	City of Long Beach Fire Department	04/22/2019	04/23/2019	06/27/2019
CA	UST TORRANCE	City of Torrance Underground Storage Tank	City of Torrance Fire Department	10/18/2022	10/19/2022	01/10/2023
CA	CUPA MADERA	CUPA Facility List	Madera County Environmental Health	08/10/2020	08/12/2020	10/23/2020
CA	UST MARIN	Underground Storage Tank Sites	Public Works Department Waste Management	09/26/2018	10/04/2018	11/02/2018
CA	UST MENDOCINO	Mendocino County UST Database	Department of Public Health	09/22/2021	11/18/2021	11/22/2021
CA	CUPA MERCED	CUPA Facility List	Merced County Environmental Health	02/15/2022	02/17/2022	05/11/2022
CA	CUPA MONO	CUPA Facility List	Mono County Health Department	02/22/2021	03/02/2021	05/19/2021
CA	CUPA MONTEREY	CUPA Facility Listing	Monterey County Health Department	10/04/2021	10/06/2021	12/29/2021
CA	LUST NAPA	Sites With Reported Contamination	Napa County Department of Environmental Manag	01/09/2017	01/11/2017	03/02/2017
CA	UST NAPA	Closed and Operating Underground Storage Tank Sites	Napa County Department of Environmental Manag	09/05/2019	09/09/2019	10/31/2019
CA	CUPA NEVADA	CUPA Facility List	Community Development Agency	01/23/2023	01/25/2023	04/10/2023
CA	IND_SITE ORANGE	List of Industrial Site Cleanups	Health Care Agency	02/02/2023	02/09/2023	05/09/2023
CA	LUST ORANGE	List of Underground Storage Tank Cleanups	Health Care Agency	02/02/2023	02/09/2023	05/04/2023
CA	UST ORANGE	List of Underground Storage Tank Facilities	Health Care Agency	02/06/2023	02/09/2023	05/03/2023
CA	MS PLACER	Master List of Facilities	Placer County Health and Human Services	08/26/2022	08/29/2022	11/15/2022
CA	CUPA PLUMAS	CUPA Facility List	Plumas County Environmental Health	03/31/2019	04/23/2019	06/26/2019
CA	LUST RIVERSIDE	Listing of Underground Tank Cleanup Sites	Department of Environmental Health	01/18/2023	01/19/2023	04/04/2023
CA	UST RIVERSIDE	Underground Storage Tank Tank List	Department of Environmental Health	01/18/2023	01/19/2023	04/04/2023
CA	CS SACRAMENTO	Toxic Site Clean-Up List	Sacramento County Environmental Management	11/07/2022	12/21/2022	03/16/2023
CA	ML SACRAMENTO	Master Hazardous Materials Facility List	Sacramento County Environmental Management	11/07/2022	12/09/2022	03/01/2023
CA	CUPA SAN BENITO	CUPA Facility List	San Benito County Environmental Health	02/08/2023	02/09/2023	05/04/2023
CA	PERMITS SAN BERNARDINO	Hazardous Material Permits	San Bernardino County Fire Department Hazardo	02/15/2023	02/15/2023	05/09/2023
CA	HMMD SAN DIEGO	Hazardous Materials Management Division Database	Hazardous Materials Management Division	02/27/2023	02/28/2023	05/17/2023
CA	LF SAN DIEGO	Solid Waste Facilities	Department of Health Services	10/27/2021	03/04/2022	05/31/2022
CA	SAN DIEGO CO LOP	Local Oversight Program Listing	Department of Environmental Health	07/22/2021	10/19/2021	01/13/2022
CA	SAN DIEGO CO SAM	Environmental Case Listing	San Diego County Department of Environmental	03/23/2010	06/15/2010	07/09/2010
CA	CUPA SAN FRANCISCO CO	CUPA Facility Listing	San Francisco County Department of Environmen	02/03/2023	02/07/2023	04/26/2023
CA	LUST SAN FRANCISCO	Local Oversite Facilities	Department Of Public Health San Francisco Cou	09/19/2008	09/19/2008	09/29/2008
CA	UST SAN FRANCISCO	Underground Storage Tank Information	Department of Public Health	04/28/2023	04/28/2023	05/03/2023
CA	SAN FRANCISCO MAHER	Maher Ordinance Property Listing	San Francisco Planning	10/11/2022	10/14/2022	01/04/2023
CA	UST SAN JOAQUIN	San Joaquin Co. UST	Environmental Health Department	06/22/2018	06/26/2018	07/11/2018
CA	CUPA SAN LUIS OBISPO	CUPA Facility List	San Luis Obispo County Public Health Departme	02/09/2023	02/10/2023	05/05/2023
CA	BI SAN MATEO	Business Inventory	San Mateo County Environmental Health Service	02/20/2020	02/20/2020	04/24/2020
CA	LUST SAN MATEO	Fuel Leak List	San Mateo County Environmental Health Service	03/29/2019	03/29/2019	05/29/2019
CA	CUPA SANTA BARBARA	CUPA Facility Listing	Santa Barbara County Public Health Department	09/08/2011	09/09/2011	10/07/2011
CA	CUPA SANTA CLARA	Cupa Facility List	Department of Environmental Health	02/10/2023	02/10/2023	05/05/2023
CA	HIST LUST SANTA CLARA	HIST LUST - Fuel Leak Site Activity Report	Santa Clara Valley Water District	03/29/2005	03/30/2005	04/21/2005

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
CA	LUST SANTA CLARA	LOP Listing	Department of Environmental Health	03/03/2014	03/05/2014	03/18/2014
CA	CUPA SANTA CRUZ	CUPA Facility List	Santa Cruz County Environmental Health	01/21/2017	02/22/2017	05/23/2017
CA	CUPA SHASTA	CUPA Facility List	Shasta County Department of Resource Manageme	06/15/2017	06/19/2017	08/09/2017
CA	LUST SOLANO	Leaking Underground Storage Tanks	Solano County Department of Environmental Man	06/04/2019	06/06/2019	08/13/2019
CA	UST SOLANO	Underground Storage Tanks	Solano County Department of Environmental Man	09/15/2021	09/16/2021	12/09/2021
CA	CUPA SONOMA	Cupa Facility List	County of Sonoma Fire & Emergency Services De	07/02/2021	07/06/2021	07/14/2021
CA	LUST SONOMA	Leaking Underground Storage Tank Sites	Department of Health Services	06/30/2021	06/30/2021	09/24/2021
CA	CUPA STANISLAUS	CUPA Facility List	Stanislaus County Department of Ennvironmenta	02/08/2022	02/10/2022	05/04/2022
CA	UST SUTTER	Underground Storage Tanks	Sutter County Environmental Health Services	08/03/2022	08/25/2022	11/14/2022
CA	CUPA TEHAMA	CUPA Facility List	Tehama County Department of Environmental Hea	11/17/2022	11/21/2022	02/10/2023
CA	CUPA TRINITY	CUPA Facility List	Department of Toxic Substances Control	01/13/2023	01/17/2023	04/04/2023
CA	CUPA TULARE	CUPA Facility List	Tulare County Environmental Health Services D	10/07/2022	10/07/2022	12/21/2022
CA	CUPA TUOLUMNE	CUPA Facility List	Divison of Environmental Health	04/23/2018	04/25/2018	06/25/2018
CA	BWT VENTURA	Business Plan, Hazardous Waste Producers, and Operating Unde	Ventura County Environmental Health Division	12/27/2022	01/26/2023	04/19/2023
CA	LF VENTURA	Inventory of Illegal Abandoned and Inactive Sites	Environmental Health Division	12/01/2011	12/01/2011	01/19/2012
CA	LUST VENTURA	Listing of Underground Tank Cleanup Sites	Environmental Health Division	05/29/2008	06/24/2008	07/31/2008
CA	MED WASTE VENTURA	Medical Waste Program List	Ventura County Resource Management Agency	12/27/2022	01/26/2023	04/19/2023
CA	UST VENTURA	Underground Tank Closed Sites List	Environmental Health Division	02/27/2023	03/07/2023	05/24/2023
CA	UST YOLO	Underground Storage Tank Comprehensive Facility Report	Yolo County Department of Health	12/19/2022	12/27/2022	03/17/2023
CA	CUPA YUBA	CUPA Facility List	Yuba County Environmental Health Department	01/26/2023	01/27/2023	04/19/2023

STREET AND ADDRESS INFORMATION

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COMMUNITY & ECONOMIC DEVELOPMENT DEPARTMENT
Division of Environmental Health
2222 "M" STREET, Merced CA 95340
(209) 381-1100 fax (209) 384-1593 http://www.countyofmerced.com/eh

California Public Records Act Request Form

Date of Request: 6/1/2023 12

Received Date: 6/1/2023 1
Received By: EE0000335 Andrea Valencia

Requesting Party

Name: Darvlyn Tachella / Provost & Pritchard Consulting Group

Address: 455 W Fir Ave

City/State/Zip Clovis, CA 93611

Phone #: (559) 449-2700 Fax / Alt.#: Email: dtachella@ppeng.com

Information Requested

Name (Facility):

Address:

SR0002147

City: APN: 073-220-014, 082-020-024,

Specific Information Requested:

CUPA records, UST records, hazardous materials or waste records

Environmental Health Use Only

Date and Time to Review Record:

Date Sent to County Counsel:

County Counsel Approval to Release:

Date Environmental Health Sent Written Response to Requesting Party:

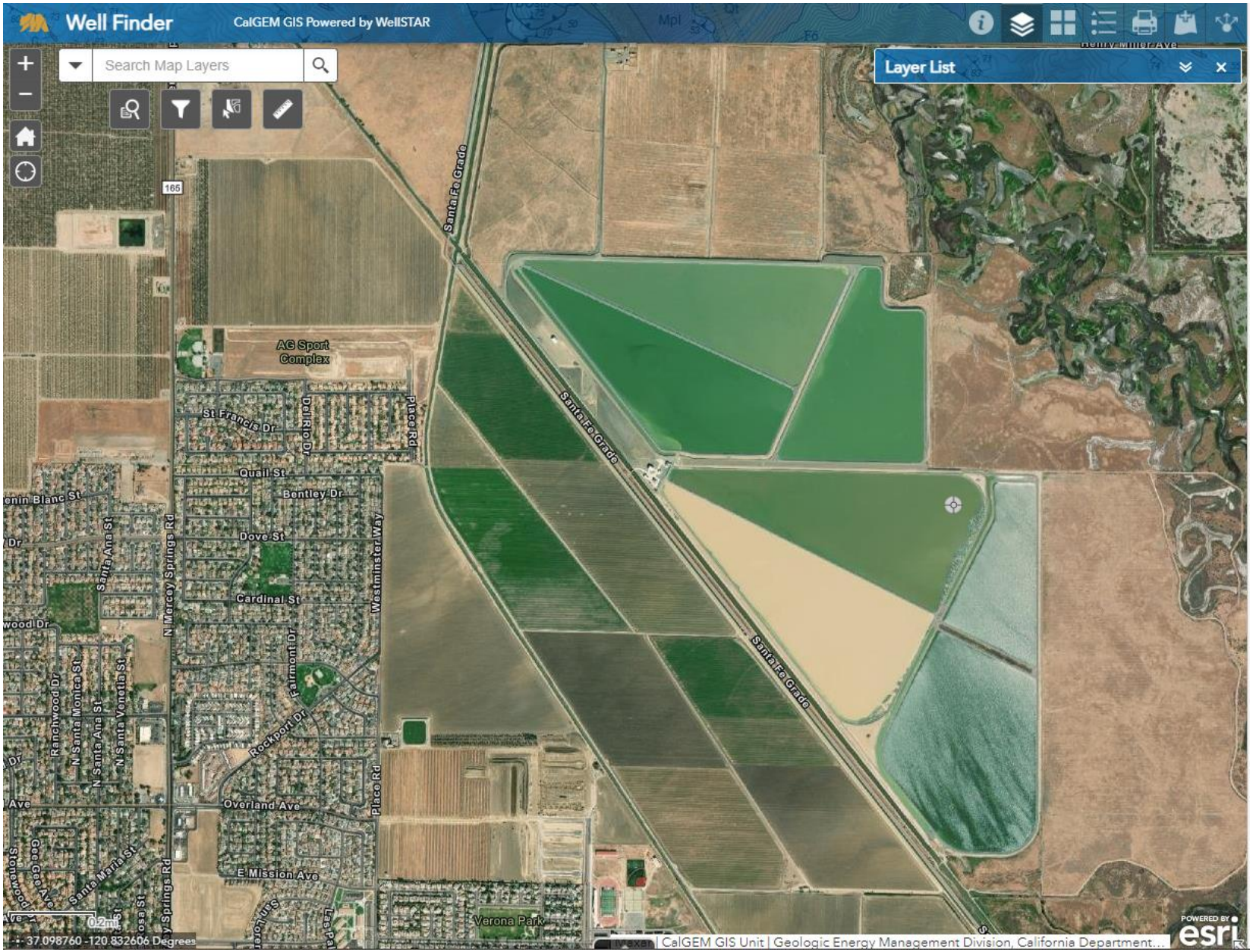
File #: SR0002147

A total of _____pages of maps / chemical storage / confidential / trade secret information were removed from this file.

Final Disposition:

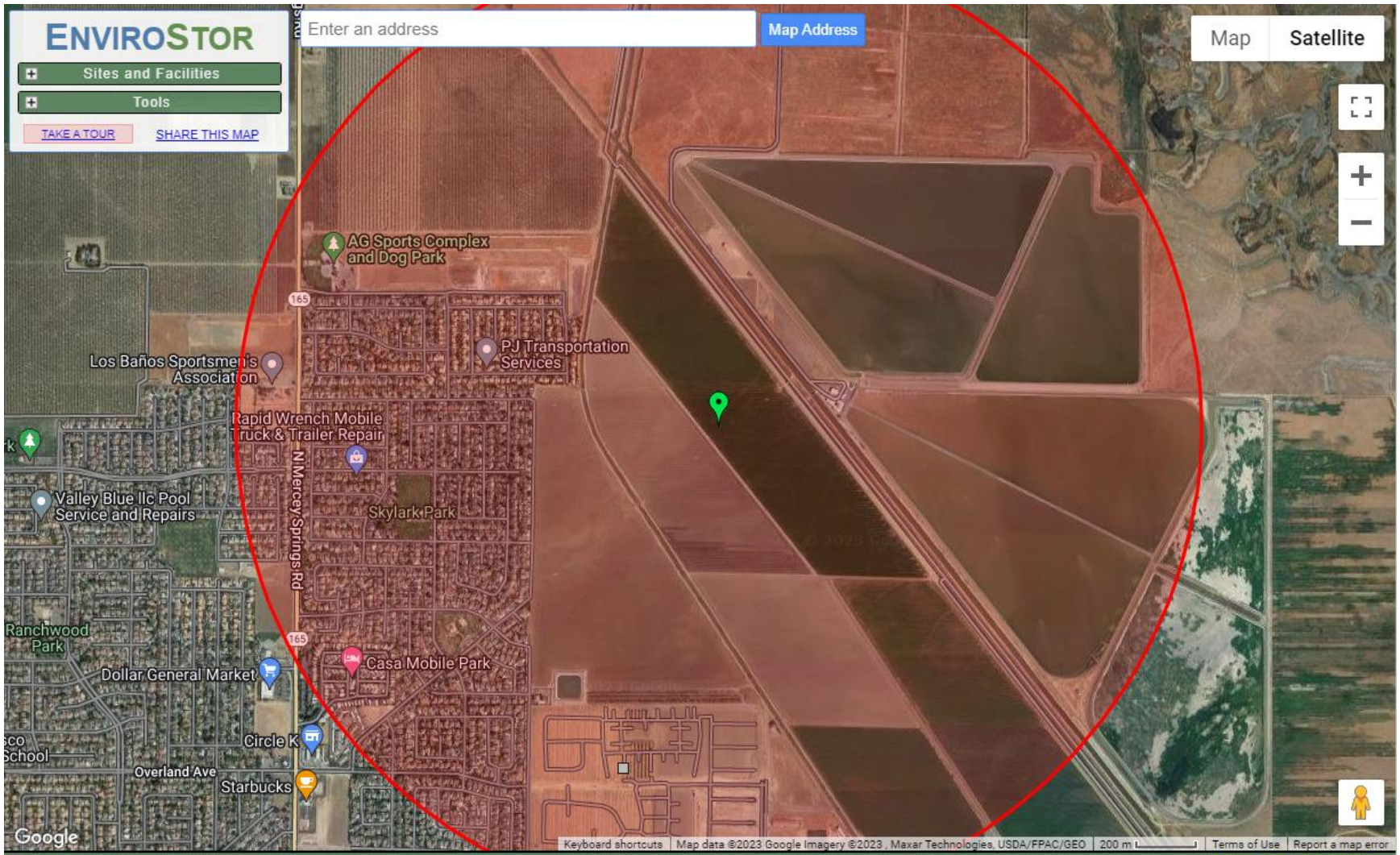
Assigned To / Completed By: EE0000258 Kelly Ornellas 6/1/2023 12

California Geologic Energy Management Division – CalGEM
(https://www.conservation.ca.gov/calgem/Pages/WellFinder.aspx)

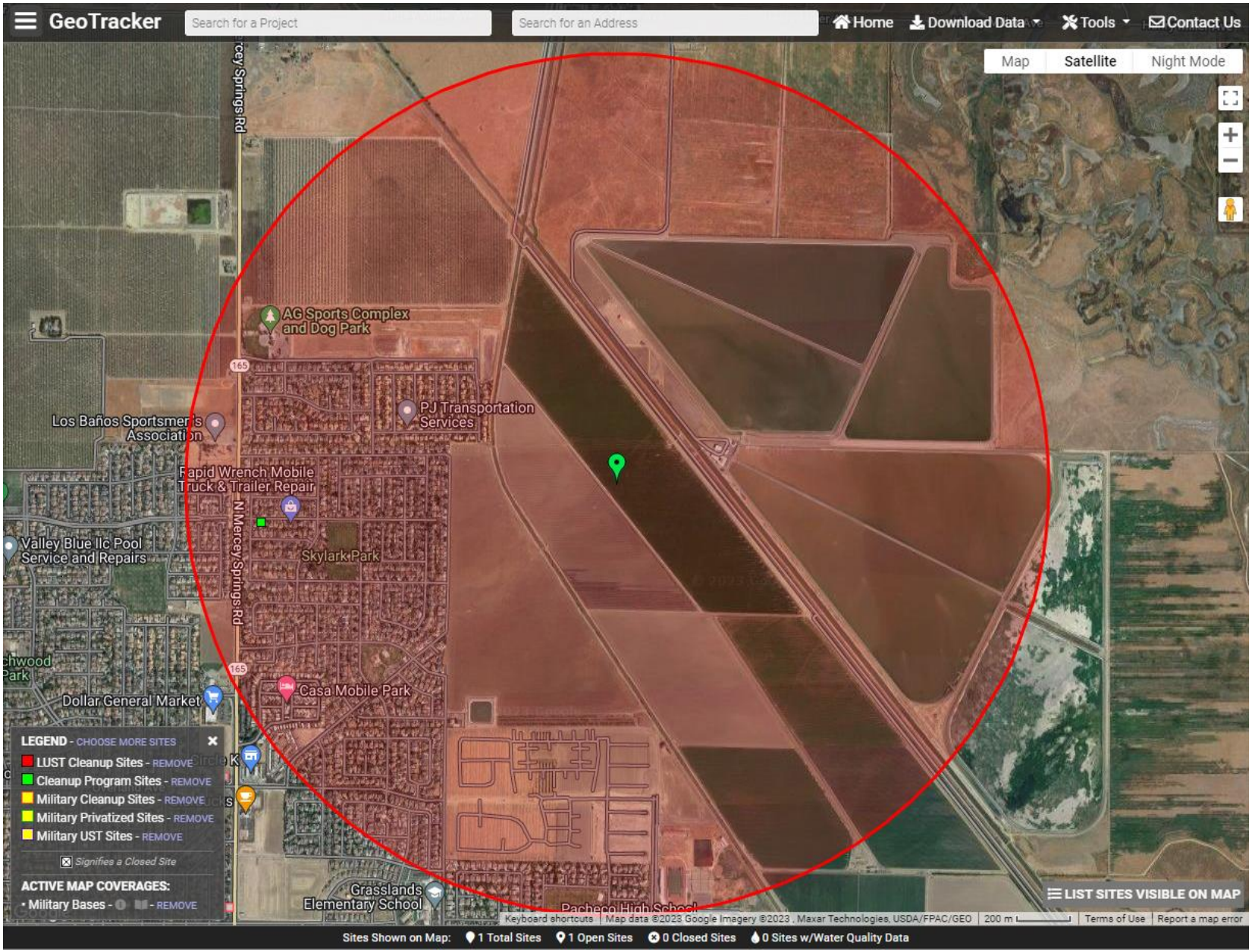


G:\Los Banos_City of-3501\350123007-Recharge Basin and Stormwater Capture\200 Technical\220 Env Engineering\Phase I ESA\website temp figures\CalGEM.docx

Department of Toxic Substances Control – EnviroStor (http://www.envirostor.dtsc.ca.gov/public/)



Regional Water Quality Control Board – GeoTracker (http://geotracker.waterboards.ca.gov/default.asp)



Appendix D Historical Records

EDR Aerial Photo Decade Package

EDR Historical Topo Map Report

EDR-City Directory Image Report

EDR Certified Sanborn Map Report

EDR Building Permit Report

County Tax Assessor Records

ParcelQuest Property Detail Report

EDR Property Tax Map Report

Los Banos Recharge/SW Basin

Santa Fe Grade

Los Banos, CA 93635

Inquiry Number: 7351896.11

June 01, 2023

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

06/01/23

Site Name:

Los Banos Recharge/SW Basir
Santa Fe Grade
Los Banos, CA 93635
EDR Inquiry # 7351896.11

Client Name:

Provost & Pritchard Eng. Group
455 W. Fir Ave
Clovis, CA 93611
Contact: Darylyn Tachella

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:

Year	*Scale*	*Details*	*Source*
2020	1"=625'	Flight Year: 2020	USDA/NAIP
2016	1"=625'	Flight Year: 2016	USDA/NAIP
2012	1"=625'	Flight Year: 2012	USDA/NAIP
2009	1"=625'	Flight Year: 2009	USDA/NAIP
2006	1"=625'	Flight Year: 2006	USDA/NAIP
1998	1"=625'	Acquisition Date: January 01, 1998	USGS/DOQQ
1984	1"=625'	Flight Date: June 16, 1984	USDA
1977	1"=625'	Flight Date: June 26, 1977	USGS
1972	1"=625'	Flight Date: September 08, 1972	USGS
1950	1"=625'	Flight Date: March 10, 1950	USDA
1946	1"=625'	Flight Date: April 29, 1946	USGS
1942	1"=625'	Flight Date: May 04, 1942	USDA
1937	1"=625'	Flight Date: March 31, 1937	USDA

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INQUIRY #: 7351896.11

YEAR: 2020

= 625'

N

EDR



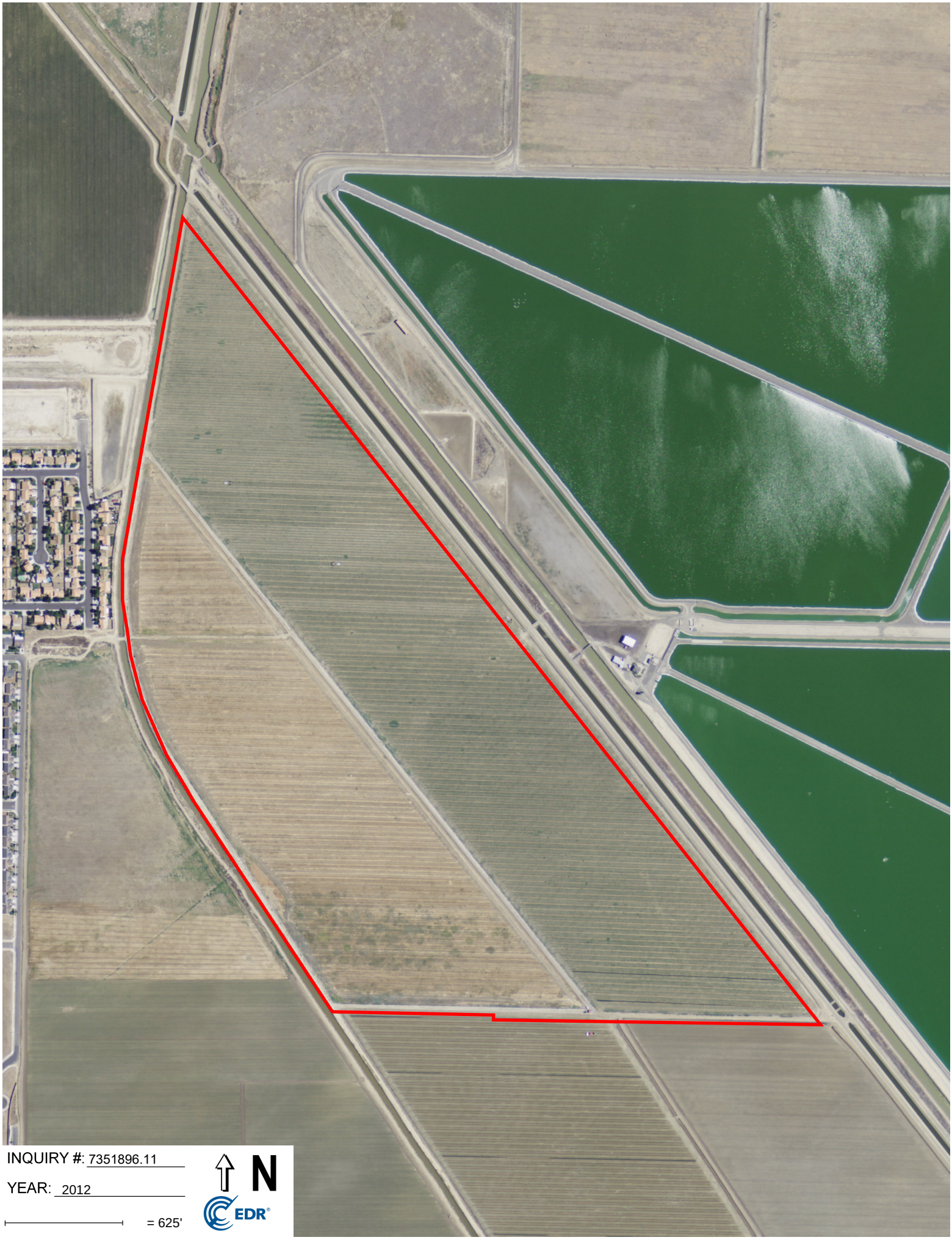
INQUIRY #: 7351896.11

YEAR: 2016

= 625'

N

EDR



INQUIRY #: 7351896.11

YEAR: 2012

= 625'

N

EDR



INQUIRY #: 7351896.11

YEAR: 2009

= 625'

N

EDR



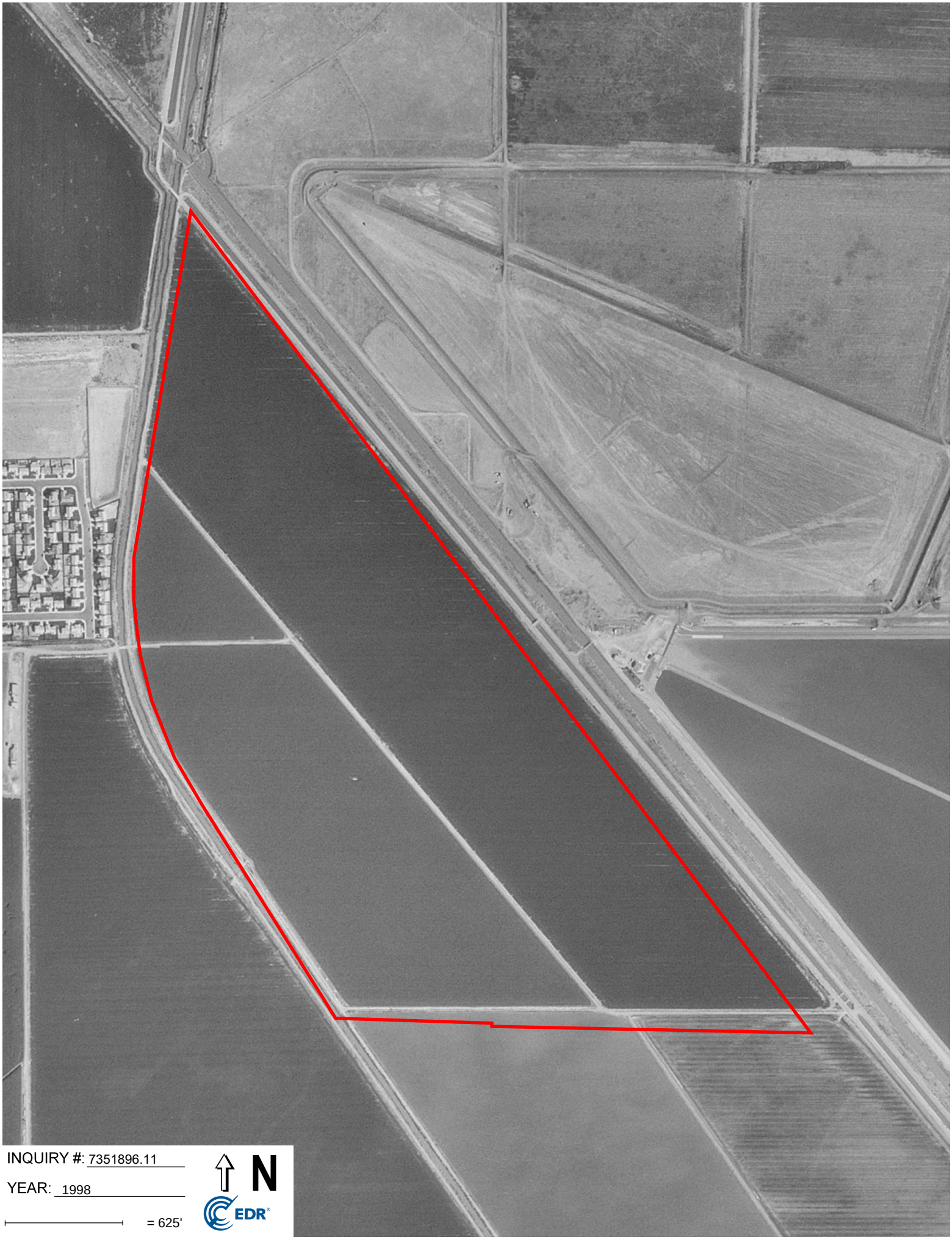
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YEAR: 2006

= 625'

N

EDR



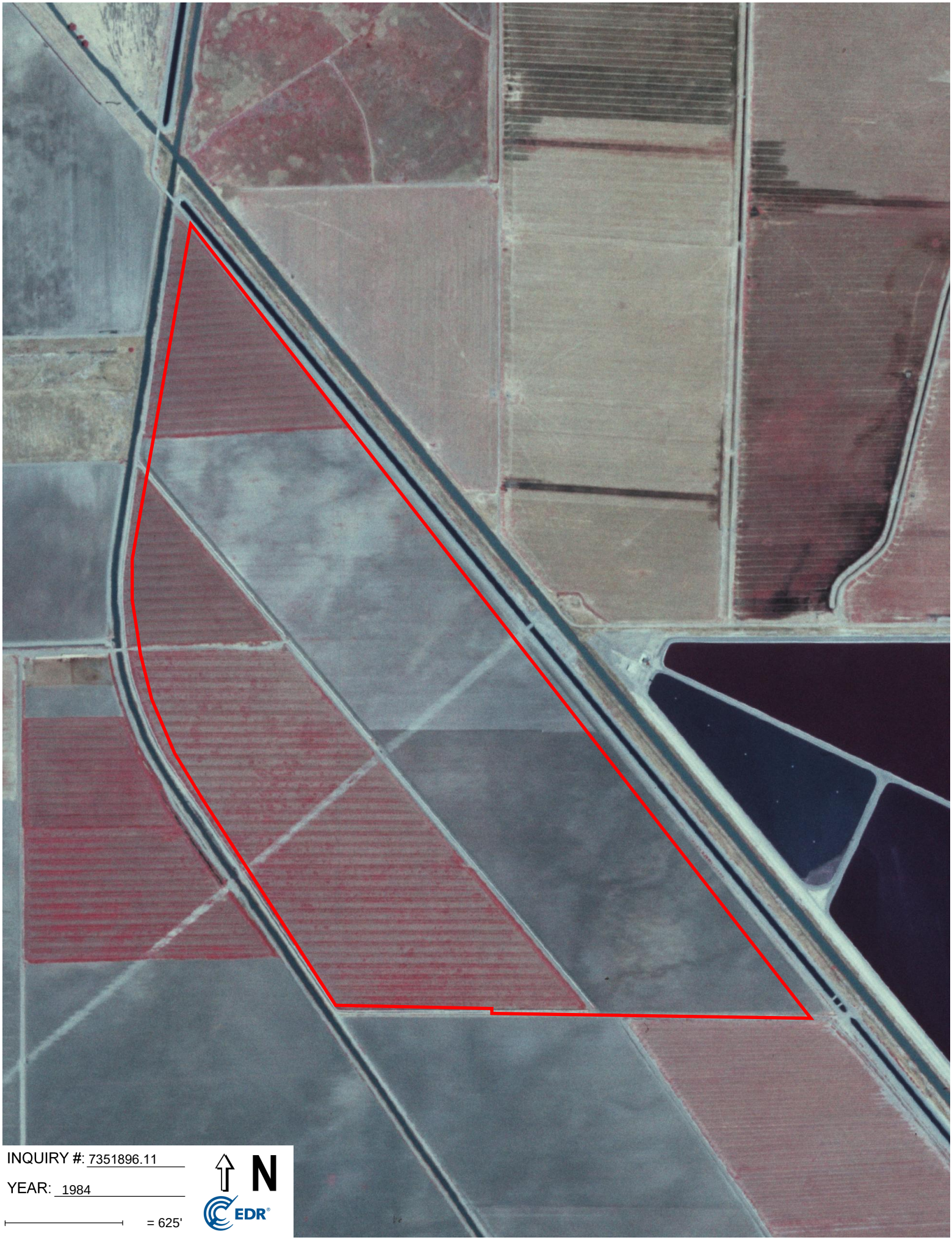
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YEAR: 1998

= 625'

N

EDR



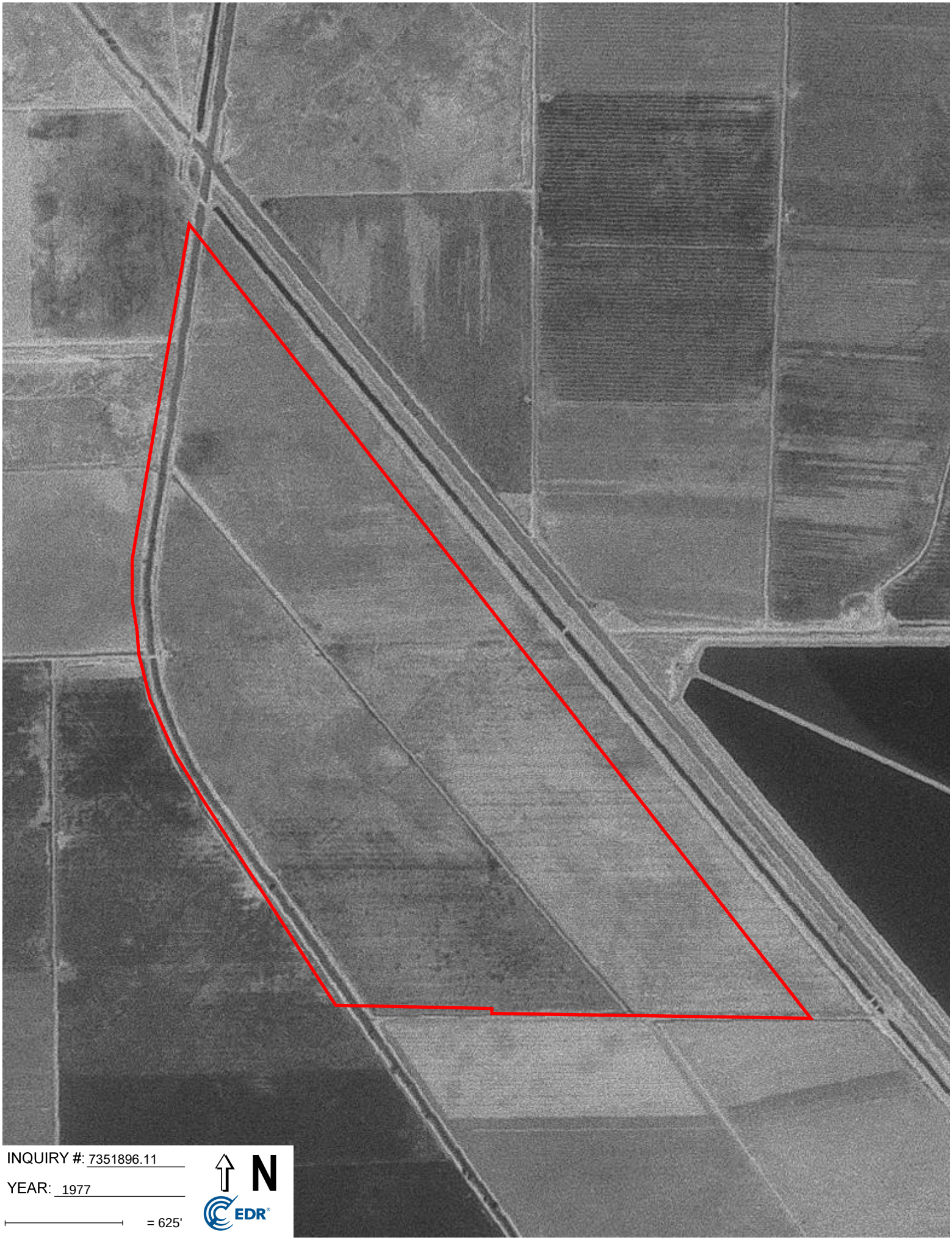
INQUIRY #: 7351896.11

YEAR: 1984

= 625'

N

EDR



INQUIRY #: 7351896.11

YEAR: 1977

= 625'

N

EDR



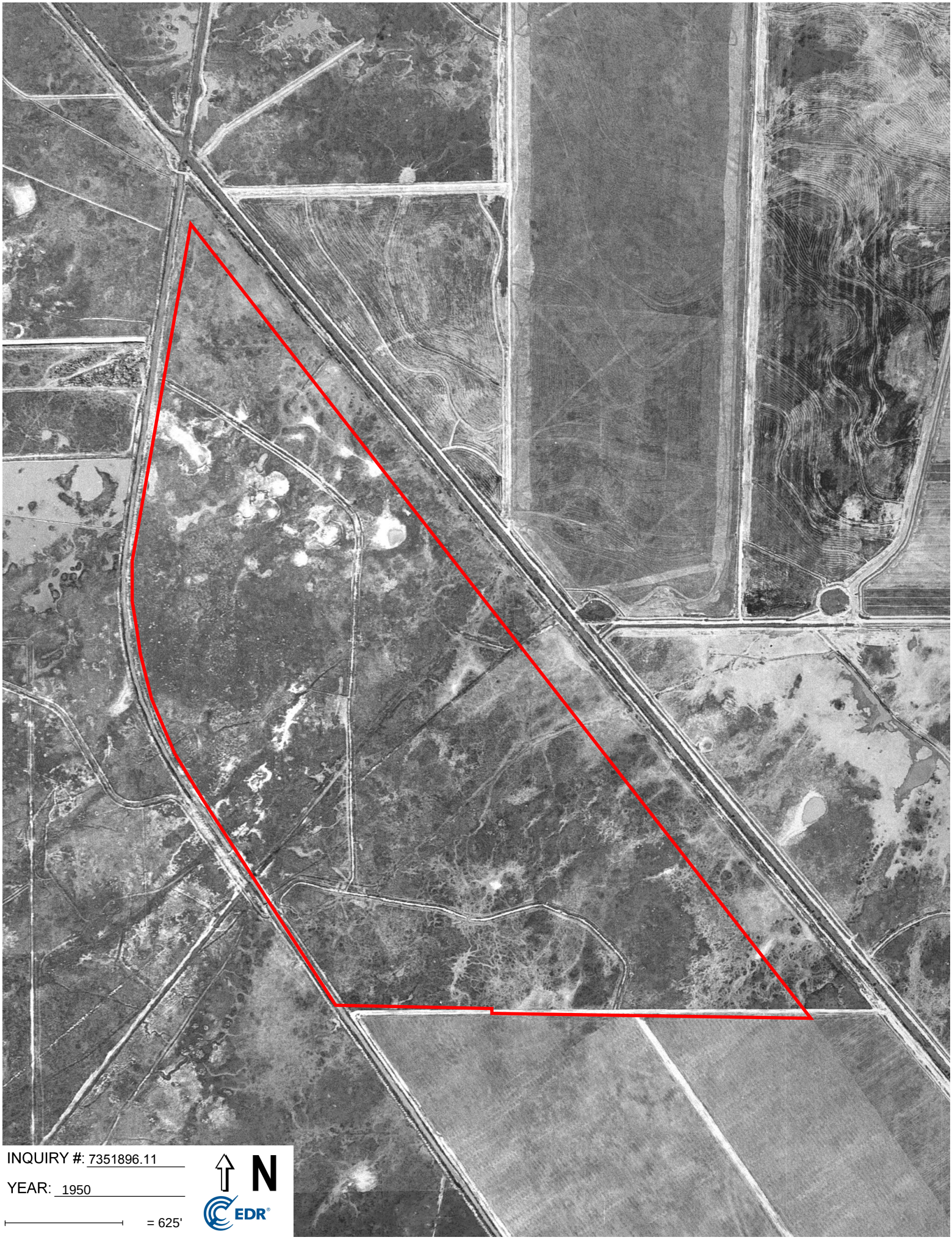
INQUIRY #: 7351896.11

YEAR: 1972

= 625'

N

EDR



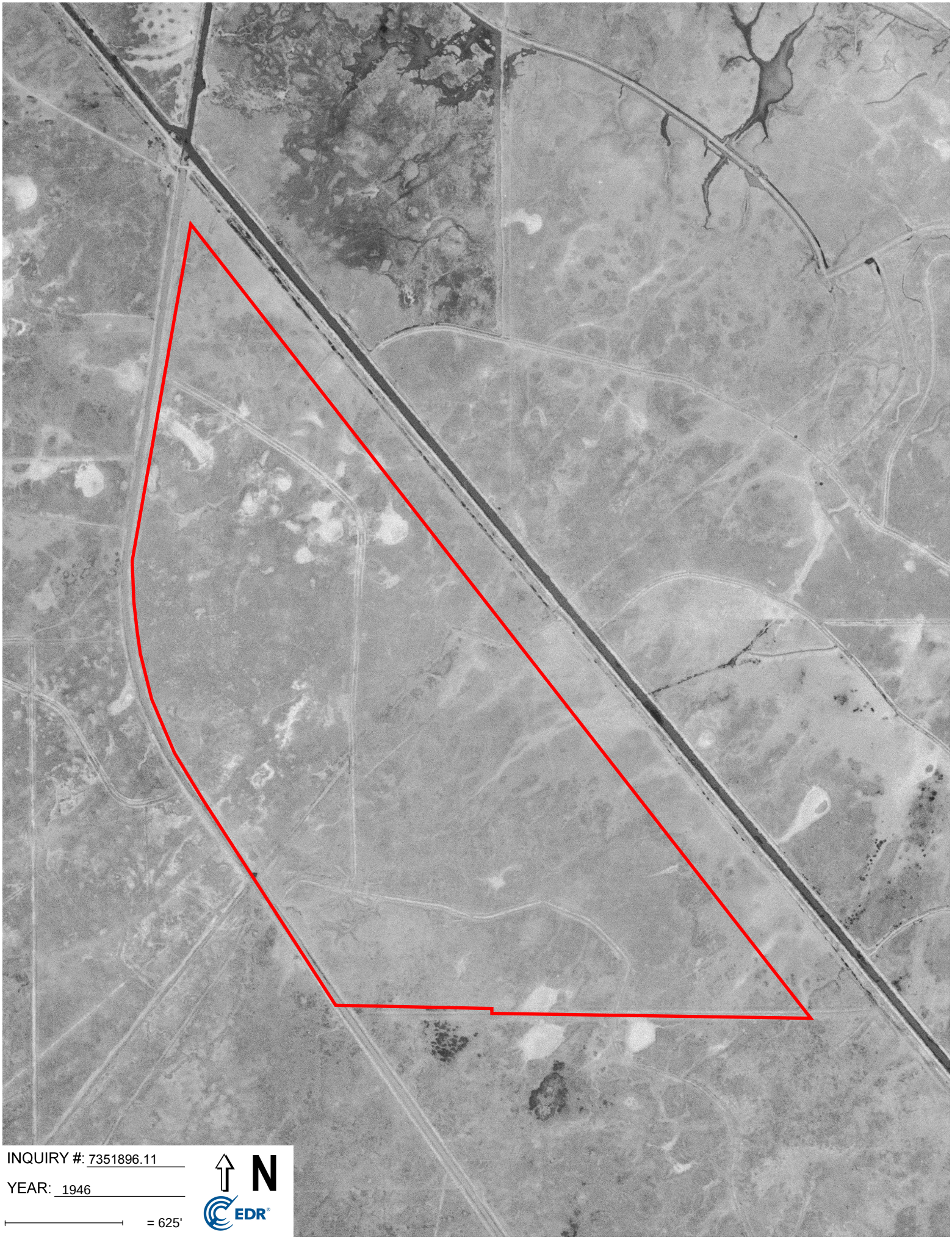
INQUIRY #: 7351896.11

YEAR: 1950

= 625'

N

EDR



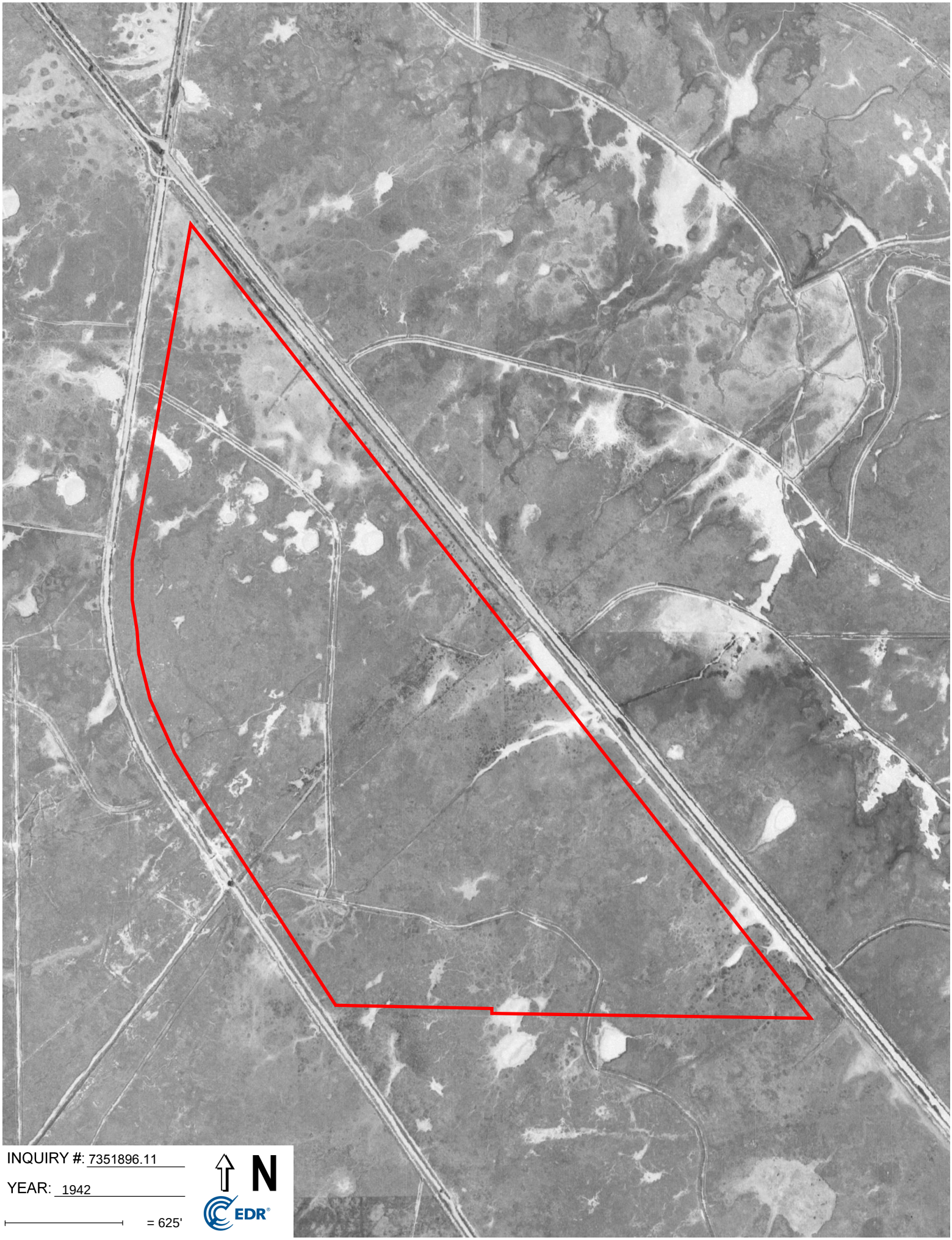
INQUIRY #: 7351896.11

YEAR: 1946

= 625'

N

EDR



INQUIRY #: 7351896.11

YEAR: 1942

= 625'

N

EDR



INQUIRY #: 7351896.11

YEAR: 1937

= 625'

N

EDR

Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.4

June 01, 2023

EDR Historical Topo Map Report

with QuadMatch™

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

EDR Historical Topo Map Report

06/01/23

Site Name:	Client Name:
Los Banos Recharge/SW Basir	Provost & Pritchard Eng. Group
Santa Fe Grade	455 W. Fir Ave
Los Banos, CA 93635	Clovis, CA 93611
EDR Inquiry # 7351896.4	Contact: Darylyn Tachella

EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by Provost & Pritchard Eng. Group 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.#	3501-23007-P1	**Latitude:**	37.084096 37° 5' 3" North
Project:	Los Banos Recharge/SW Basir	**Longitude:**	-120.818902 -120° 49' 8" West
		UTM Zone:	Zone 10 North
		UTM X Meters:	693864.48
		UTM Y Meters:	4106427.09
		Elevation:	100.00' above sea level

Maps Provided:

2018
2015
2012
1987
1961
1960
1947
1921

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Topo Sheet Key

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

2018 Source Sheets



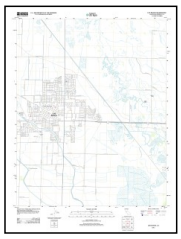
Los Banos
2018
7.5-minute, 24000

2015 Source Sheets



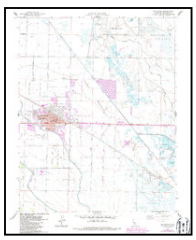
Los Banos
2015
7.5-minute, 24000

2012 Source Sheets



Los Banos
2012
7.5-minute, 24000

1987 Source Sheets

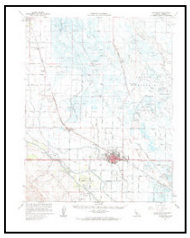


Los Banos
1987
7.5-minute, 24000
Aerial Photo Revised 1984

Topo Sheet Key

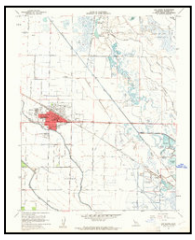
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1961 Source Sheets



Los Banos
1961
15-minute, 62500

1960 Source Sheets



Los Banos
1960
7.5-minute, 24000
Aerial Photo Revised 1958

1947 Source Sheets



Los Banos
1947
7.5-minute, 24000

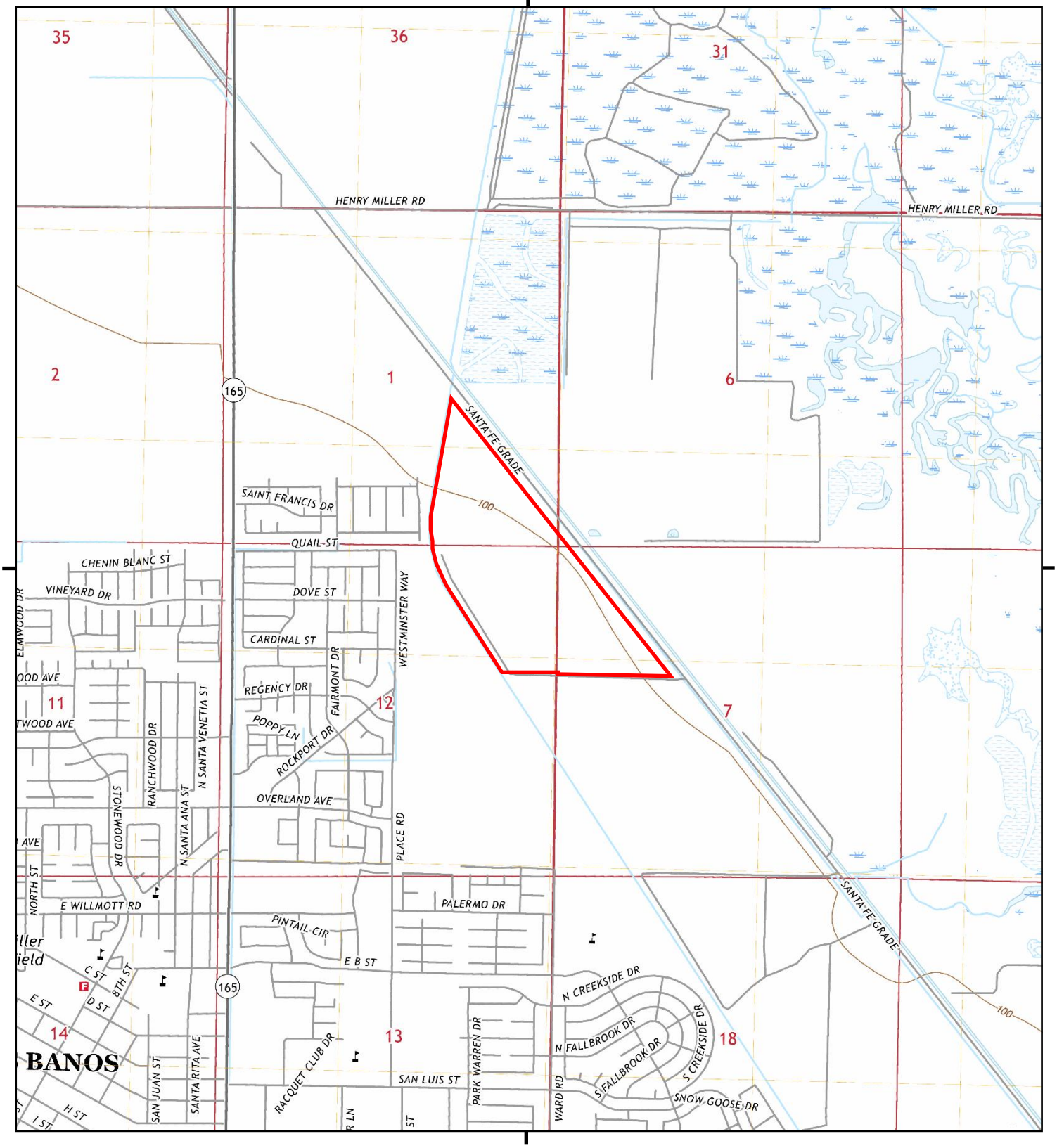
1921 Source Sheets



Los Banos
1921
7.5-minute, 31680

Historical Topo Map

2018



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

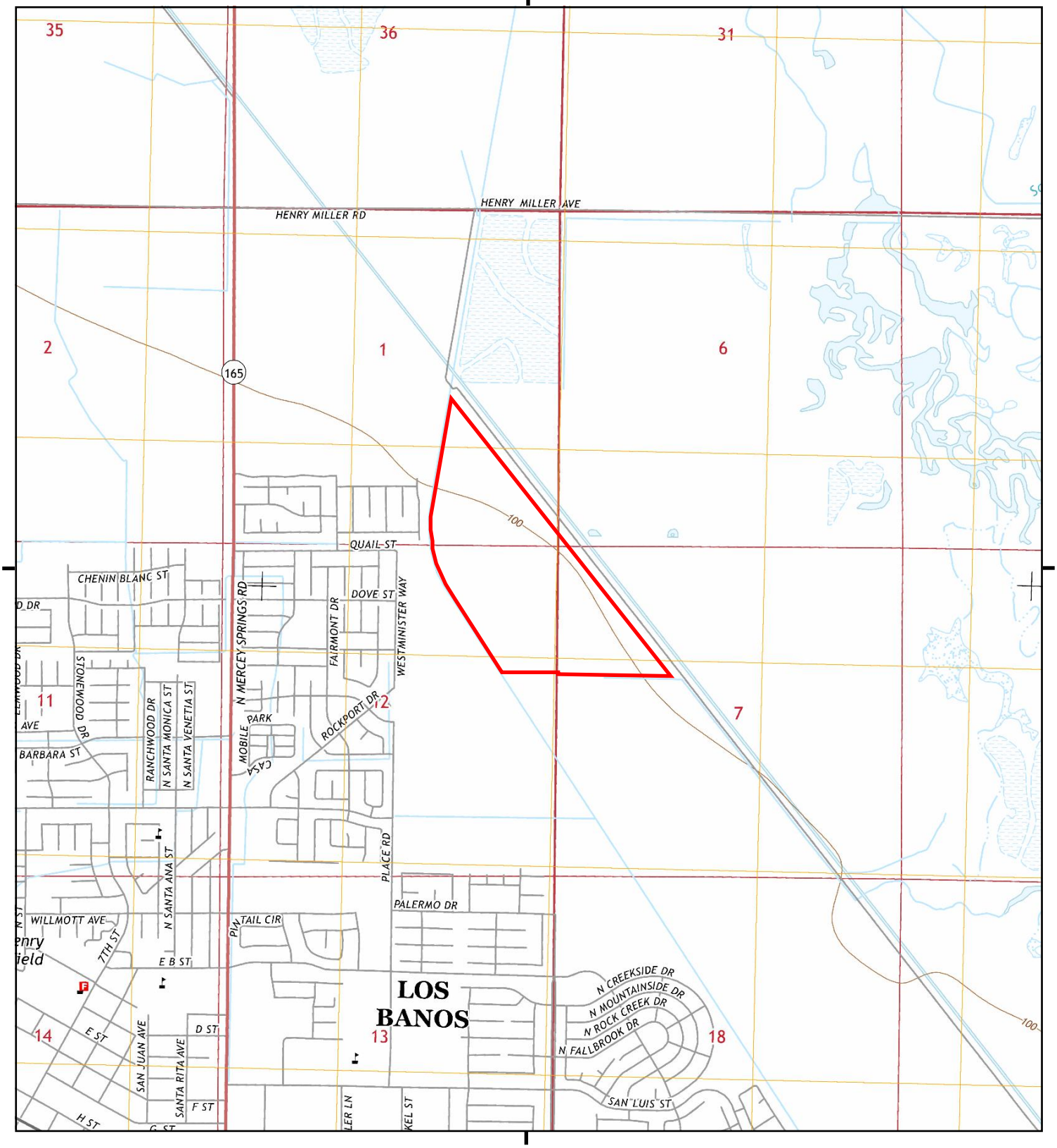
TP, Los Banos, 2018, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N

Historical Topo Map

2015



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

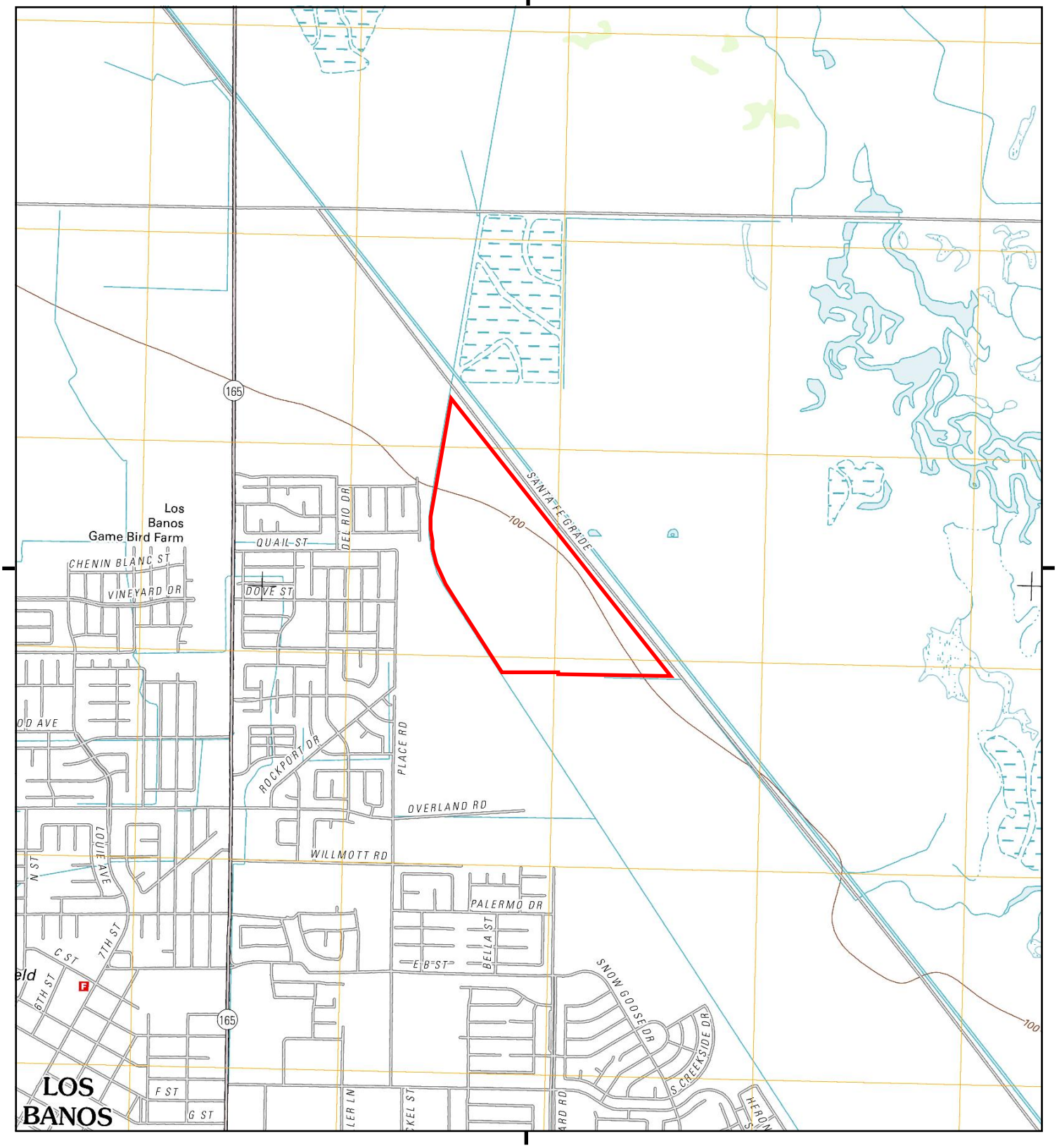
TP, Los Banos, 2015, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N

Historical Topo Map

2012



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

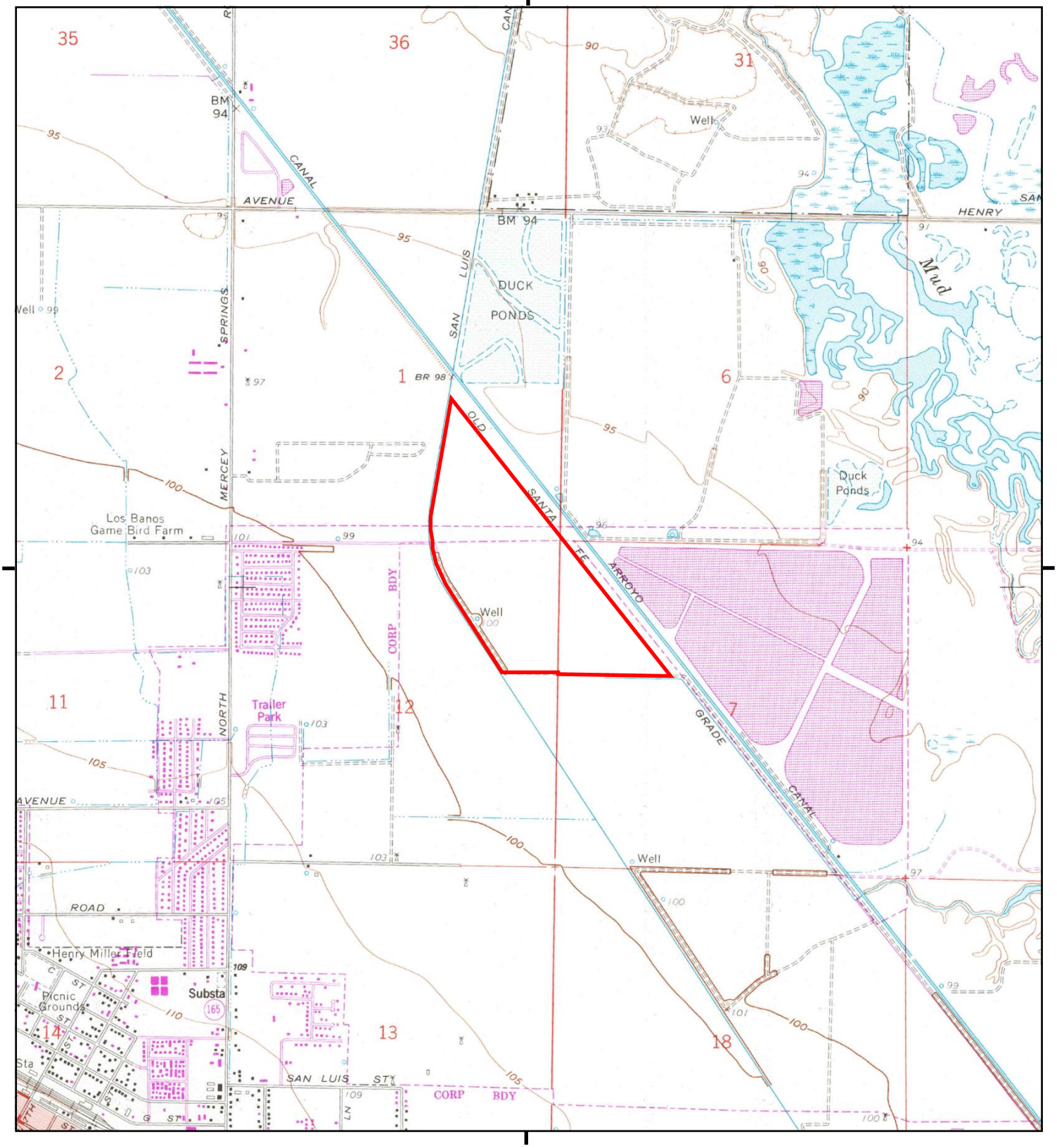
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Banos, 2012, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N



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

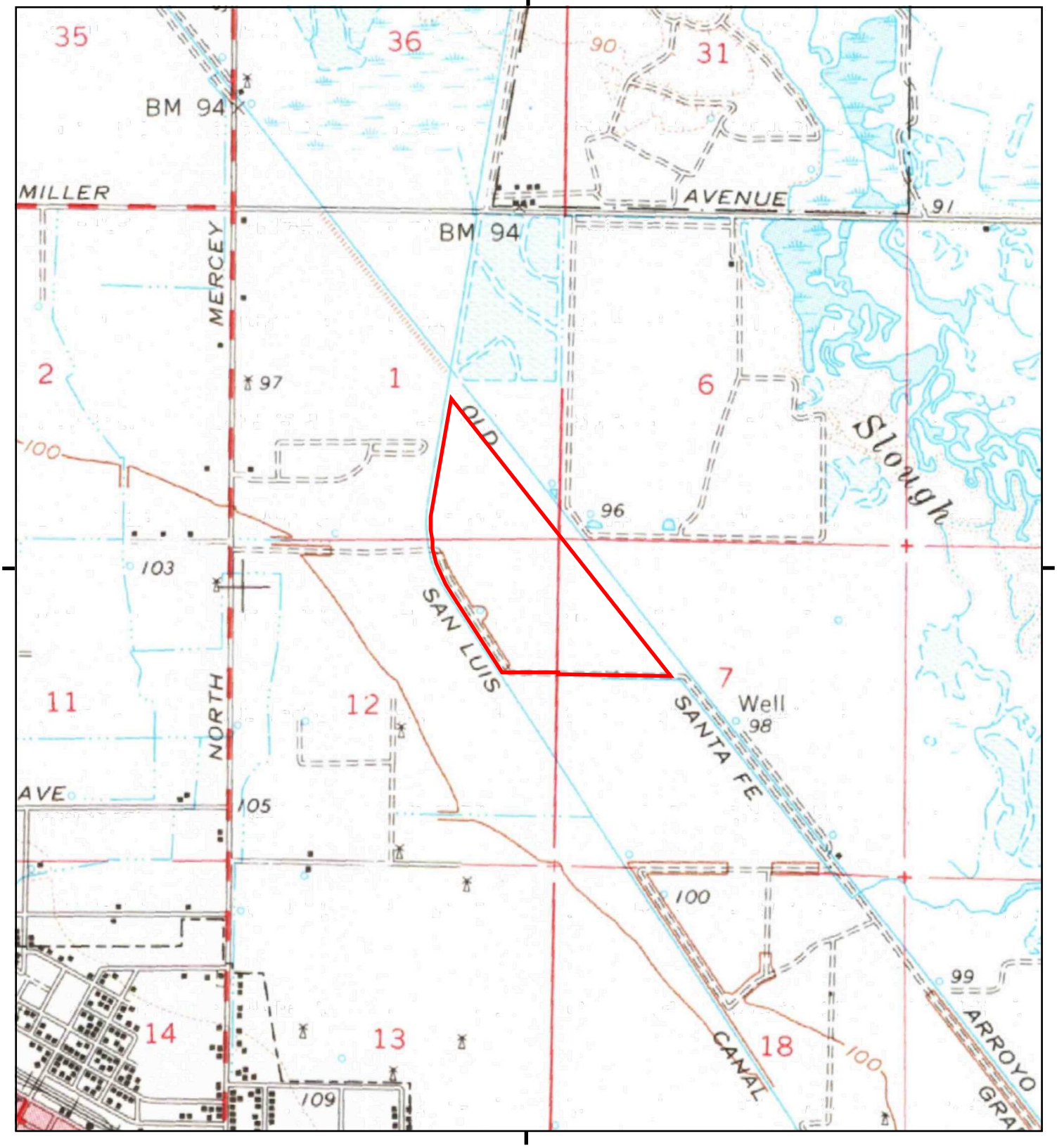
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Banos, 1987, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

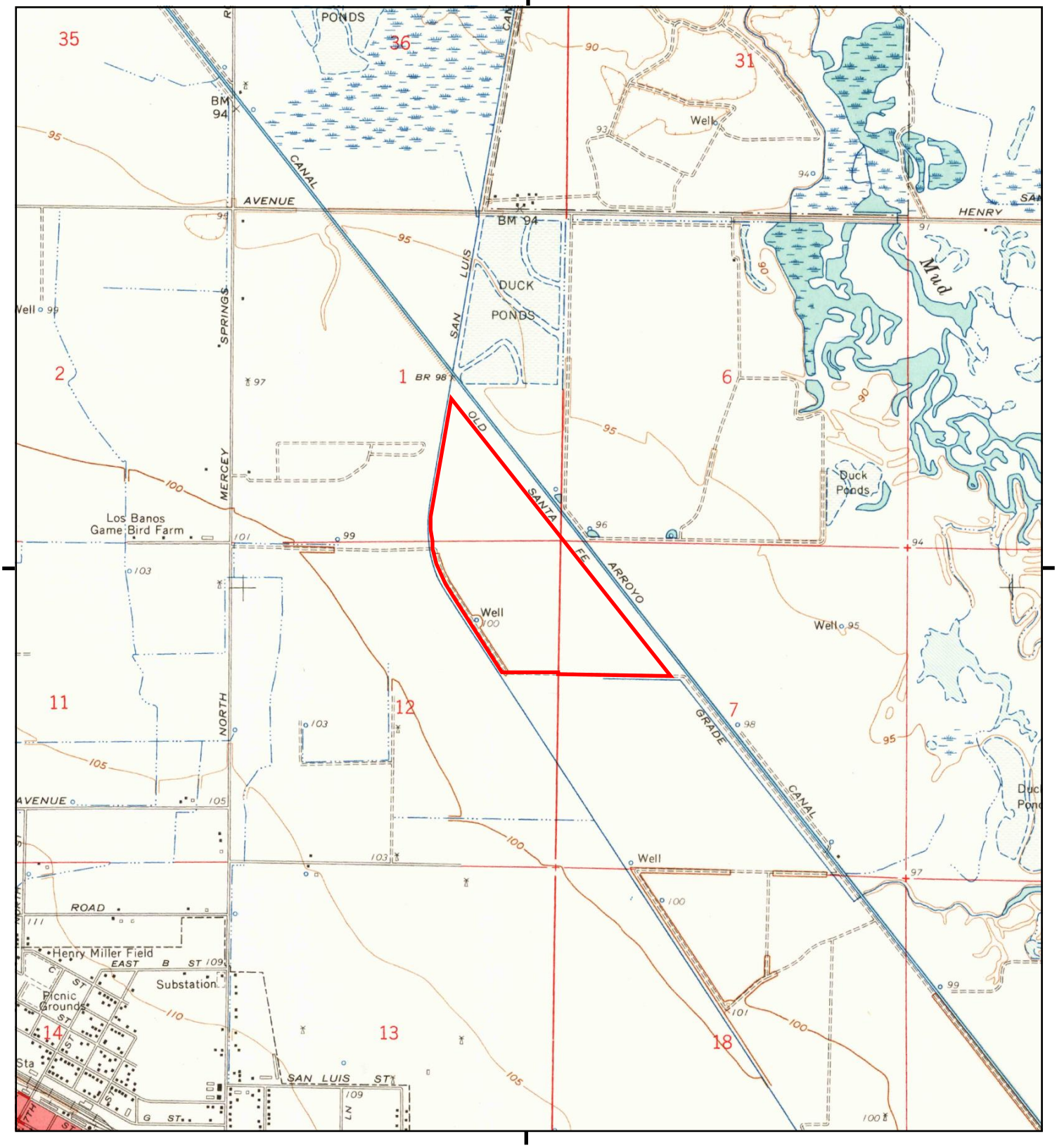
TP, Los Banos, 1961, 15-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N

Historical Topo Map

1960



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

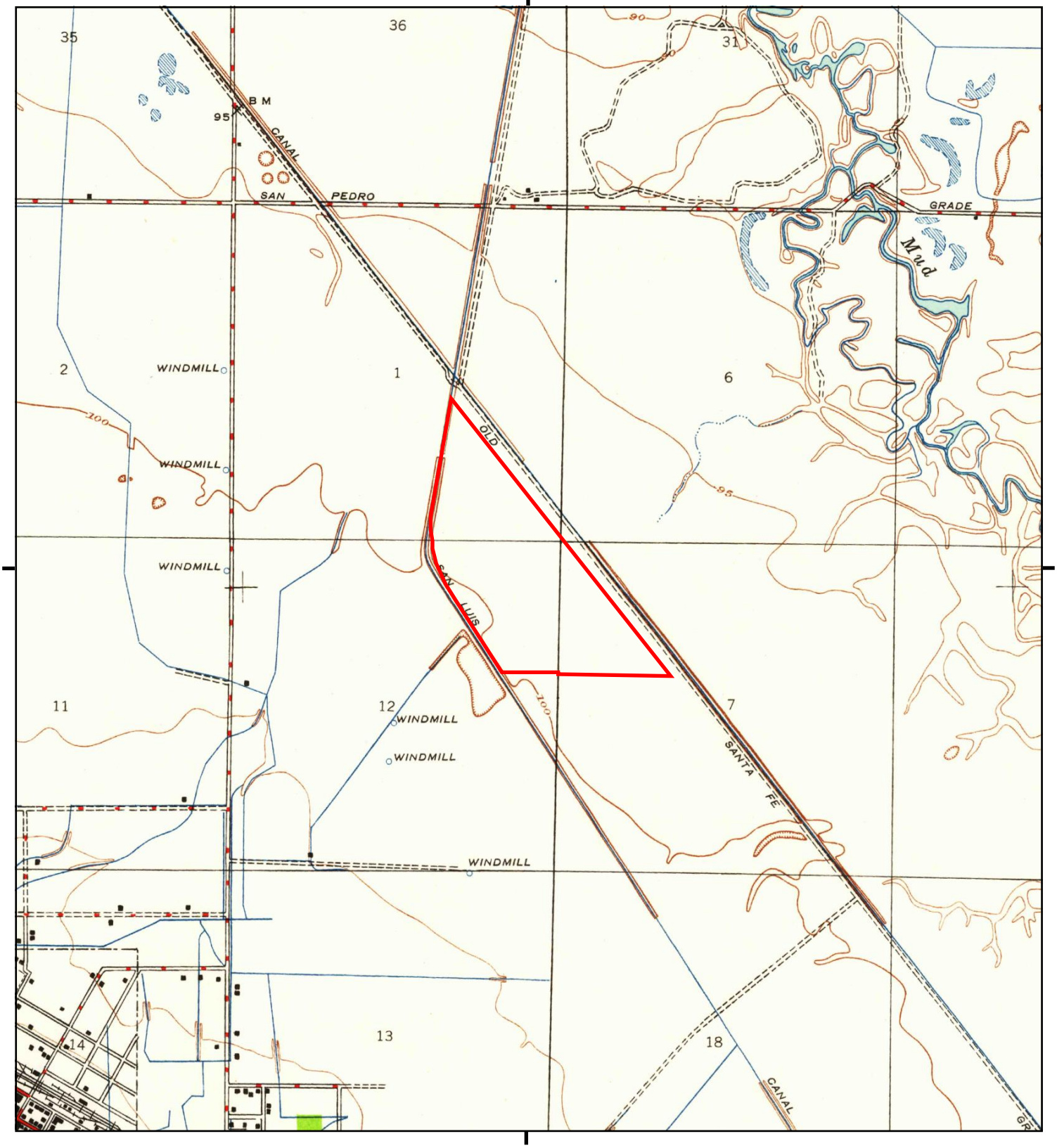
TP, Los Banos, 1960, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N

Historical Topo Map

1947



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

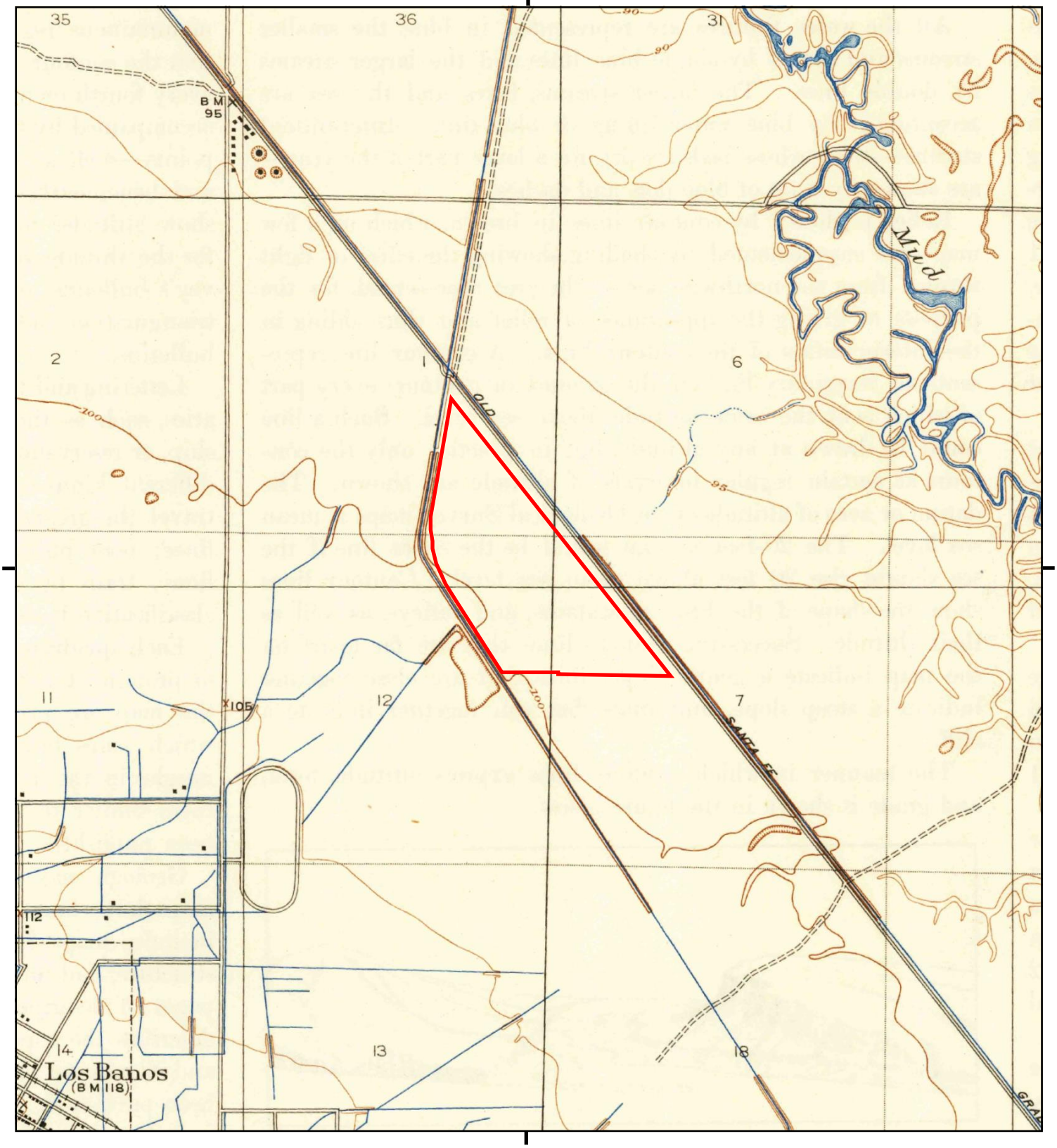
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Banos, 1947, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Los Banos, 1921, 7.5-minute

SITE NAME: Los Banos Recharge/SW Basin
ADDRESS: Santa Fe Grade
Los Banos, CA 93635
CLIENT: Provost & Pritchard Eng. Group

N

Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.5
June 02, 2023

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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City Directory Images

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Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2020	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1992	☑	☑	Cole Information
1985	☑	☑	Haines Criss-Cross Directory
1981	☑	☑	Haines Criss-Cross Directory
1977	☑	☑	Haines Criss-Cross Directory
1974	☑	☑	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

Santa Fe Grade
Los Banos, CA 93635

Year	*CD Image*	*Source*	
SANTA FE GRADE			
2020	pg A6	EDR Digital Archive	
2017	pg A10	Cole Information	
2014	pg A15	Cole Information	
2010	pg A20	Cole Information	
2005	pg A25	Cole Information	
2000	pg A29	Cole Information	
1995	pg A33	Cole Information	
1992	pg A37	Cole Information	
1985	pg A40	Haines Criss-Cross Directory	
1981	pg A44	Haines Criss-Cross Directory	
1977	pg A48	Haines Criss-Cross Directory	
1974	pg A51	Haines Criss-Cross Directory	
1971	-	Haines Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
HENRY MILLER RD			
2020	pg. A2	EDR Digital Archive	
2017	pg. A7	Cole Information	
2014	pg. A11	Cole Information	
2010	pg. A16	Cole Information	
2005	pg. A21	Cole Information	
2000	pg. A26	Cole Information	
1995	pg. A30	Cole Information	
1992	pg. A34	Cole Information	
1985	pg. A38	Haines Criss-Cross Directory	
1981	pg. A41	Haines Criss-Cross Directory	
1977	pg. A45	Haines Criss-Cross Directory	
1977	pg. A46	Haines Criss-Cross Directory	
1974	pg. A49	Haines Criss-Cross Directory	
1971	-	Haines Criss-Cross Directory	Street not listed in Source
MERCEY SPRINGS RD			
2020	pg. A4	EDR Digital Archive	
2017	pg. A8	Cole Information	
2014	pg. A13	Cole Information	
2010	pg. A18	Cole Information	
2005	pg. A23	Cole Information	
2000	pg. A28	Cole Information	
1995	pg. A32	Cole Information	
1992	pg. A36	Cole Information	
1985	pg. A39	Haines Criss-Cross Directory	
1981	pg. A42	Haines Criss-Cross Directory	
1981	pg. A43	Haines Criss-Cross Directory	
1977	pg. A47	Haines Criss-Cross Directory	
1974	pg. A50	Haines Criss-Cross Directory	

FINDINGS

Year	***CD Image***	***Source***	
1971	-	Haines Criss-Cross Directory	Street not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

HENRY MILLER RD 2020

13411	FLORA MARTINEZ
13893	ANGELICA RIVAS
	CARLOS RIVAS
	DANNY RIVAS
	MARTHA RIVAS
14220	FEATHER RANCH KENNELS
14743	CATHERINE FERREIRA
	PATRICK FERREIRA
14970	DOLORES AREIAS
	JAMES AREIAS
15681	JOHN SOARES
15688	BRIAN AREIAS
	JAMES AREIAS
	JANICE AREIAS
15801	MIKE VANLOBENSELS
17963	LOS BANOS WASTEWATER PLANT
	WASTE WATER TREATMENT PLANT
18110	FISH & GAME DEPT
18168	MIKE MILLER
	TAMMY MILLER
18926	ARMANDO ORNELAS
	CENTRAL CA CHILD DEV SVC
	ISRAEL MONTOYA
	MERCED COUNTY HOUSING AUTH
	SOPHIA ORNELES
19037	MICHELLE GARIBALDI
19043	CECILIA BRYANT
	ROBERT BRYANT
19051	LISA BRYANT
19426	ANDREW LORETTO
	DINA JUAREZ
	NANCY LORETTO
20009	ARREOLA ROGELIO
20015	HILDA HERNANDEZ
	JESUS GONZALEZ
	LEOCADIO GONZALEZ
	YOLANDA GONZALEZ
20192	TERRY OLLAR
20321	LONNY HADLEY
20654	RAYMOND TALBOTT
	TALBOTT SHEEP CO
	TERESA TALBOTT
20690	ANNA STEWART
	PATRICK STEWART
20722	JOSE TOVAR
	LISETT TOVAR
	MARIA TOVAR
21248	JEAN LAGRUTTA
	JOE LAGRUTTA TRUCKING INC
	JOSEPH LAGRUTTA

HENRY MILLER RD 2020 (Cont'd)

21392	ANTON SAICH
21534	JOSE GUTIERREZ
	MICHELLE GUTIERREZ
	PRISCILLA GUTIERREZ
21810	MARK GERMINO
21881	ERMA GERMINO
	MARK GERMINO
22008	LYNN WAKELING
	VIRGINIA WAKELING
22014	CHRISTINA VELASCO
	KELLY VELASCO
	ROBERT VELASCO
22511	LUCIA CORTEZ
22519	ELBA GUERRERO
	YANIRA GUERRERO
22578	ARMINDA GOUVEIA
	EDDIE COSTA
	GUIOMAR COSTA
22956	GUADALUPE JOSE
23100	ROBERT SILVEIRA
23109	DAVID FERREL
	JEANINE FERREL
23111	GARY LORD
	JUDY BROWN
23900	JAIME MENDOZA
23988	ANNA MENDOZA
	BELINDA MENDOZA
	JAIME MENDOZA
	JOEL MENDOZA
24240	ARTURO SOLIS
	EDUARDO CORCHADO
	MARIA CORCHADO
24242	HOSSEIN KARIMZADEH
	MARIA PAZ
24244	ERNESTO TOVAR
24334	ADAN FRAUSTO
24350	ALBERTINA VENTURA-SILVA
	NUNO SILVA
24440	ALBERT VARGAS
	SANDRA STYLES
	SANDRA VARGAS
24476	ERIC GUTIERREZ
	JONATHAN GUTIERREZ
	LENA GUTIERREZ
24497	CUSTOM GLASS PRODUCTS
	JERRY FYDRYCH
	PABLO QUIROZMANRIQUEZ
24631	ILDA RESENDES
	MANUEL RESENDES

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

MERCEY SPRINGS RD 2020

110	NANCY BUTLER
	ODIS BUTLER
212	CINDY OTTEM
220	JOSEPH PARADISO
	MARYANN PARADISO
240	MACY WALSH
	MARK WALSH
245	ATM
265	AMAZING MASSAGE
	AMAZING SERVICES
	CROSSROADS ALTERNATIVE EDU CTR
	DKD PROPERTY MANAGEMENT CO
	FRANCISCO SANCHEZ
	HOT SPOT SALON
	LOS BANOS UNIFIED SCHOOL DIST
	SALON SHEEN RIAH
	TRANSCOUNTY TITLE CO
280	AMERICAN SELF STORAGE
285	BYNUM CALIFORNIA ENTERPRISES
	BYNUM'S LOS BANOS MORTUARY
	EYE CLINIC
	FROST LAWRENCE J PAC
	GONZALES DORAL R NP
	LUCIANO FRANCIS PA
	PINNACLE HEALTH CARE
	PINNACLE HEALTHCARE
	WATSON ANNA K PA
317	CENTRAL VALLEY SMOG II
323	BAJA AUTO REPAIR
	DIVESE CUSTOMS
	FLEETCARE INTERNATIONAL INC
402	CENTRAL CONCRETE
	RAMOS AUTO REPAIR
409	REPUBLIC SERVICES
420	STOR QUEST SELF STORAGE
439	A & A ALL PRO AUTO REPAIR
	IGNACIO ANDRADE
	JENNIFER ANDRADE
	MADELINE ANDRADE
447	AUTO VILLA WHOLESALE
	DEENA WESTROPE
	ROBIN WESTROPE
	TEE-DEE US AUTO SVC & REPAIR
	THOMAS WESTROPE
500	SHERWOOD R C GRAIN CO
508	MEZA SYSTEMS
535	SKY CELL PHONE & ACCS
549	DOMINIC FALASCO
	JANINE FALASCO
	PARKSENE FALASCO

MERCEY SPRINGS RD 2020 (Cont'd)

549	ROBIN WESTROPE
	THERON WESTROPE
	THOMAS WESTROPE
605	DAGMAR ATKINSON
	ELIAS ATKINSON
	ROSALIE ATKINSON
614	WESTSIDE COMMUNITY CHURCH
625	BEATRIZ CARDENAS
702	BRAD BARTON
	DENNIS RODRIGUES
	JAMMIE BARTON
	LINDA LATRONICA
714	RANDY MARTIN
	ROSE MARTIN
836	BERTA LINARES
	EFRAIN LINARES
838	BERTA LINARES
840	BERTA LINARES
	RYAN HERSHEY
	SALINAS SALINA
842	BERTA LINARES
	EFRAIN LINARES
	MARIO HUIZAR
844	BERTA LINARES
	EFRAIN LINARES
846	BERTA LINARES
	EFRAIN LINARES
	GALAXIE APARTMENTS
848	BERTA LINARES
	EFRAIN LINARES
902	JOHN FAWCETT

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

SANTA FE GRADE 2020

8150	JAMES ENGEL
10306	LINDA CLAY
	SILVER CLAY
11475	EALTHA DAVIS
	FAY DAVIS
	JERRY DAVIS
12065	LETICIA ESTRADA
	SOCCORO ESTRADA
	SOCORRO ESTRADA
	ZENAIDA ESTRADA
12151	CATHERINE GUERRERO
	NINIVE VILLAGOMEZ
12239	JUNE CASTANEDA
12241	JULIA GARCIA
	RUBEN GARCIA
12266	ALEJANDRA HINOJOSA
	ANDRES VILLAGRANA
	JULIAN HINOJOSA
	VICENTE HINOJOSA
12315	DAVID GONZALEZ
	JAMES MCCLELLON
	OSCAR FERNANDEZ
	PATRICIO MENDOZA
12421	JUDITH WOOTEN
	LONNIE WOOTEN
12603	SALVADOR CONTRERAS
	TERESA CONTRERAS
12735	MIKE HENDRIX
16018	ANTONIO MARTINEZ

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2017

13411 ALVARADO, SALVADOR
13412 ZABALBEASCOA, JON
13417 MOEN, JAMES O
13893 RIVAS, SYLVIA G
14743 VAZQUEZ, ZACARIAS
14970 AREIAS, JAMES A
15475 PULIDO, LUZ E
15688 AREIAS, JIM A
16041 ANGULO, GILBERT J
18110 STATE OF CALIFORNIA
18168 MILLER, MIKE C
18825 FIGUEROA, ELIZABETH
18926 JIMENEZ, MARTIN
MERCED COUNTY HOUSING AUTHORITY
ORNELAS, ARMANDO
RAFAEL SILVA MIGRANT HEAD START
VENEGAS, ROGELIO
19037 GARIBALDI, MICHELLE
19043 BRYAND, JOSHUA
19051 VANOVER, SHAD W
19426 LORETTO, ANDREW R
19726 MINUGH, LISA
20015 JAUREGUI, HILDA Y
20192 NUNES, LARRY I
20321 HADLEY, LONNY E
20654 TALBOTT, RAYMOND A
20690 PATRICK, STEWART
20722 TOVAR, JOSE M
21248 LAGRUTTA, JOE J
21534 GUTIERREZ, JOE G
22008 WAKELING, SANDY
22014 VELASCO, ROBERT J
22510 SOUSA, JOSE
22511 SILVEIRA, ROBERT
22578 GOUVEIA, ARMINDA
22956 OROZCO, JOSE
23100 SILVEIRA, ROBERT G
23109 ROSELLI, JOHN E
23111 BROWN, JEANINE R
23900 MENDOZA, JAIME R
24140 MANCINO, GEORGE R
24240 ARREDONDO, ROBERTO A
24244 TOVAR, ANGEL
24334 FRAUSTO, ADAM D
24440 VARGAS, ALBERT T
24476 GUTIERREZ, ANTONIO M
24497 CUSTOM GLASS PRODUCTS
FYDRYCH, JERRY R
24502 BROOKS, EUSTACE W
24631 RESENDES, MANUEL M

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2017

140	GAMBOA, HUMBERTO H
220	PARADISO, JOSEPH
240	WALSH, MARK A
246	LESTER, JOHN E
265	ASPIRANET BEHAVIORAL HEALTH OUTPATIE
	CHAVARRIA KENPO KARATE
	CROSSROADS ALTERNATIVE EDUCATION CEN
	CUCHIS
	DKD PROPERTY MANAGEMENT COMPANY
	DLP REAL ESTATE
	SANCHEZ, FRANCISCO
	SHEEN RIAH SALON
	THE HOT SPOT SALON
	TRANSCOUNTY TITLE CO
280	AMERICAN SELF STORAGE
285	GREENER L VICTOR DPM
	N PARVEEN SHARMA MD
	PINNACLE HEALTHCARE
	SHARMA DR
	WHITE, NATALIE
317	CENTRAL VALLEY SMOG II
323	BAJA AUTO REPAIR
402	CENTRAL CONCRETE
	RAMOS AUTO REPAIR
409	REPUBLIC SERVICES
419	A & A AUTO REPAIR
420	MERCEY SPRINGS ROAD MINI STORAGE
	MERCY SPRNGS MINI STG
	STORQUEST SELF STORAGE
439	A & A ALL PRO AUTO REPAIR LOS BANOS
447	CARQUEST AUTO PARTS
	GOLDEN STATE SUPPLY INC
	TEEDEEUS AUTOMOTIVE LLC
500	SHERWOOD R C GRAIN CO
508	MEZA SYSTEMS
518	YOUNG, MAXINE M
535	NICO CABINETS
	SKY CELL PHONE & ACCS
	THE COMPUTER DOCTOR
549	LOS BANOS LUMBER & SALES CO
605	ATKINSON, ELIAS H
614	WESTSIDE COMMUNITY CHURCH
620	BARTON, CLAUDE
625	MARTINEZ, DAVID
702	RODRIGUES, BETTY J
	RODRIGUES, DENNIS
714	MARTIN, RANDY D
836	GALAXIE APARTMENTS
	LOPEZ, JOSE G
838	BENAVIDEZ, JESSE

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2017 (Cont'd)

838	MORALES, LAURA O
	NUNEZ, ANGELA J
	ROBINSON, KERRI
840	CABRERA, CARMEN
	PEREZ, JOHNNY
842	CORTEZ, JOSE
	HUIZAR, MARIO C
	MARTINEZ, AIDE
844	BREEZE, ERICA L
	COLIS, MIGUEL
846	DUJMOVICH, JACK
	GALAXIE APARTMENTS
848	BELASCO, FERN
	NOVELLO, ANTOINETTE
	ROJAS, RICARDO
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 2017

10306	CLAY, LINDA
11475	DAVIS, JERRY D
12027	DAHLEN, SHEENA
12031	NIETO, APOLONIO S
12065	ESTRADA, ZENAIDA
12069	ESTRADA, LETICIA
12151	GUERRERO, CATHERINE M
12266	VILLAGRANA, ALVARO
12421	WOOTEN, LONNIE C
12603	CONTRERAS, SALVADOR C
12735	HENDRIX, MIKE A
16018	MARTINEZ, ANTONIO P

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2014

12050	OCCUPANT UNKNOWN,
12136	OCCUPANT UNKNOWN,
13411	ALVARADO, SALVADOR
13412	ZABALBEASCOA, JON
13417	MOEN, JAMES O
13621	GALINDO, LUIS C
13893	RIVAS, SYLVIA G
14220	FEATHER RANCH KENNELS
	MUELLER, PHILLIP J
14743	VAZQUEZ, ZACARIAS
14950	OCCUPANT UNKNOWN,
14970	AREIAS, JAMES A
15475	SILVEIRA, BROOKE
15483	OCCUPANT UNKNOWN,
15688	AREIAS, JIM A
15801	OCCUPANT UNKNOWN,
16041	OCCUPANT UNKNOWN,
17963	OCCUPANT UNKNOWN,
18110	SIGMOND, CANDACE
	STATE OF CALIFORNIA
18112	OCCUPANT UNKNOWN,
18138	OCCUPANT UNKNOWN,
18168	STROHMENGER, AIMEE M
18170	OCCUPANT UNKNOWN,
18825	MARTINEZ, MARGARITA
18827	MUNOZ, CAMMERINO M
18926	GARCIA, ALFREDO
	JIMENEZ, MARTIN
	LOMELI, D H
	MARTIN, JIMENEZ
	MERCED COUNTY HOUSING AUTHORITY
	MONTOYA, NANCY
	PRTIZ, CAMPOS A
	RAFAEL SILVA MIGRANT HEAD START
	RODRIGUEZ, ALVARO
	RUVALCABA, MOISES
	VENEGAS, ROGELIO
19037	GARIBALDI, MICHELLE
19043	BRYANT, CECE L
19051	BRYANT, ROBERT L
19307	SHELLY, M
19426	LORETTO, ANDREW R
20015	GONZALEZ, JESUS
20107	BALLINGER, PAT
20321	OCCUPANT UNKNOWN,
20654	TALBOTT, RAYMOND A
20690	PATRICK, STEWART
20722	TOVAR, JOSE M
21248	LAGRUTTA, JOE J
21392	OCCUPANT UNKNOWN,

21534	GUTIERREZ, JOE G
21881	GERMINO, MARK
21932	SAICH, ANTON P
22008	WAKELING, LYNN T
22014	OCCUPANT UNKNOWN,
22522	ORTIZ, ADELINA
22578	SOUSA, ARMINDA M
22956	OROZCO, JOSE
23109	ROSELLI, JOHN E
23111	BROWN, JEANINE R
23611	SOELLER, CASEY J
23651	OCCUPANT UNKNOWN,
23900	MENDOZA, JAIME R
24140	MANCINO, GEORGE R
24240	ARREDONDO, ROBERTO A
	LOPEZ, MARIA
24242	CASTRO, G
	GARZA, ISABEL
24244	TOVAR, ANGEL
24334	FRAUSTO, ADAM D
24350	OCCUPANT UNKNOWN,
24440	VARGAS, ALBERT T
24476	GUTIERREZ, ANTONIO
24497	CUSTOM GLASS PRODUCTS
	OCCUPANT UNKNOWN,
24502	BROOKS, EUSTACE W
24631	RESENDES, MANUEL M
25745	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2014

110	BUTLER, ODIS J
120	OCCUPANT UNKNOWN,
140	OCCUPANT UNKNOWN,
212	OTTEM, RON J
220	PARADISO, MICHELLE
225	TONYS DONUT & ICE CREAM
240	WALSH, MARK A
246	LESTER, JOHN E
265	CROSSROADS ALTERNATIVE EDUCATION CEN
	CUCHIS
	DKD PROPERTY MANAGEMENT COMPANY
	DLP REAL ESTATE
	GOLDEN DREAM MASSAGE
	SHEEN RIAH SALON
	THE HOT SPOT SALON
280	AMERICAN SELF STORAGE
285	PINNACLE HEALTHCARE
	SHARMA N PARVEEN MD
	SHARMA, N
	VICTOR GREENER
317	CENTRAL VALLEY SMOG II
320	OCCUPANT UNKNOWN,
323	HIGHPOWER MOTORSPORTS
402	CENTRAL CONCRETE
	RAMOS AUTO REPAIR
409	BFI
419	A & A AUTO REPAIR
420	MERCEY SPRINGS ROAD MINI STORAGE
439	A & A ALL PRO AUTO REPAIR LOS BANOS
447	CARQUEST AUTO PARTS
	GOLDEN STATE SUPPLY INC
	TEE DEEUS AUTO SERVICE & REPAIR
500	SHERWOOD R C GRAIN CO
508	MEZA SYSTEMS
518	YOUNG, MAXINE M
535	COMPUTER DOCTOR
549	JANINE FALASCO
	LOS BANOS LUMBER & SALES CO
605	ATKINSON, ELIAS H
614	WESTSIDE COMMUNITY CHURCH
620	BARTON, CLAUDE R
625	OCCUPANT UNKNOWN,
702	OCCUPANT UNKNOWN,
	RODRIGUES, BETTY J
714	MARTIN, RANDY D
729	CARDOZA, ANTHONY R
836	HERNANDEZ, ALFRED V
	LOPEZ, JOSE G
	TODD, ROBERT
	TORRES, CELIA

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2014 (Cont'd)

838	ARCINIEGA, CLAUDIA
	COXVANTES, GRISELDA
	EVANS, PRIDE
840	AVERY, SHANE
	CABERA, RAFAEL
	GARCIA, ALISSA K
842	CORTEZ, JOSE
	HUIZAR, MARIO
844	AGONOY, ERNESTO L
	COLIS, MIGUEL
846	ACOSTA, TEENA
	DUJMOVICH, JACK
	GALAXIE APARTMENTS
	SINGH, JASWANT
848	NAVARRETE, JUDITH
	RUIZ, VERONICA
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 2014

7559	NEWMAN, J
9950	OCCUPANT UNKNOWN,
10306	CLAY, LINDA
11475	DAVIS, JERRY D
12027	NIETO, JESSE
12031	NIETO, JESUS M
12065	OCCUPANT UNKNOWN,
12069	ESTRADA, LETICIA
12123	OCCUPANT UNKNOWN,
12239	BORBA, JUNE M
12241	ALVAREZ, ALMA
12266	OCCUPANT UNKNOWN,
	SANCHEZ, ALFONSO
12267	OCCUPANT UNKNOWN,
12315	VILLALOBOS, ROSA M
12421	WOOTEN, LONNIE C
12501	OCCUPANT UNKNOWN,
12603	CONTRERAS, SALVADOR C
12735	HENDRIX, MIKE A
16018	MARTINEZ, ANTONIO P
	MUNOZ, TERESA

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2010

12050	OCCUPANT UNKNOWN,
12136	OCCUPANT UNKNOWN,
12140	OCCUPANT UNKNOWN,
13411	ALVARADO, SALVADOR
13412	ZAPIEN, TERESA
13417	MOEN, JAMES O
13595	OCCUPANT UNKNOWN,
13621	OCCUPANT UNKNOWN,
13893	RIVAS, CARLOS S
14220	FEATHER RANCH KENNELS
	MUELLER, PHILLIP J
14743	MUNOZ, FERNANDO
14950	OCCUPANT UNKNOWN,
14970	AREIAS, JAMES A
15101	RAMOS, GARY W
15475	OCCUPANT UNKNOWN,
15483	SILVEIRA, JOSEPH
15681	EVANS, ILDA B
15688	AREIAS, JIM A
15801	SANDERS, DENNIS L
15997	OCCUPANT UNKNOWN,
16041	OCCUPANT UNKNOWN,
17963	LOS BANOS WASTEWATER PLANT
	OCCUPANT UNKNOWN,
18110	ALLEN, SEAN M
	FISH & GAME DEPT
18138	OVERTON, SHAD M
18170	OCCUPANT UNKNOWN,
18827	MUNOZ, CAMMERINO M
18926	CAMPOS, RICARDO
	DE, LATORRE C
	FLORES, GABRIEL
	JIMENEZ, MARTIN
	ORNELAS, ARMANDO
	RODRIGUEZ, ALVARO
	RUVALCABA, MOISES
	TRUJILLO, GUADALUPE
19037	SHELLY, MICHELLE
19051	OCCUPANT UNKNOWN,
19208	ESPINOSA, CRUZ P
19426	ORTEGA, ALFREDO S
20107	BALLINGER, PAT
20192	GODINHO, MANUEL R
20321	HADLEY, LONNY E
20654	TALBOTT, RAYMOND A
20690	CHRONICLE PUBLISHING CO
	SAN FRANCISCO CHRONICLE
	STEWART, PATRICK V
20722	TOVAR, JOSE M
21015	GONZALEZ, JESUS

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2010 (Cont'd)

21248 LAGRUTTA, JEAN A
21392 OCCUPANT UNKNOWN,
21534 GUTIERREZ, JOE G
21810 TANNER, JIMMY W
21881 GERMINO, DAN M
21932 SAICH, ANTON P
22008 WAKELING, LYNN T
22014 OCCUPANT UNKNOWN,
22510 BENAVIDES, RODRIGUEZ J
22522 COVARRUBLAS, MARIA
ORTIZ, ADELINA
22536 GARCIA, FRANCISCA
22578 COSTA, GUIOMAR C
22956 OROZCO, JOSE
23100 OCCUPANT UNKNOWN,
23109 ROSELLI, JOHN E
23111 BROWN, JUDY M
23611 SIMMONS, GEORGE R
23651 OCCUPANT UNKNOWN,
23900 MENDOZA, JAIME R
24140 MANCINO, GEORGE R
24240 LOPEZ, MARIA
SOLIS, ARTURO C
24242 CASTRO, G
OCCUPANT UNKNOWN,
24244 LIGHTFOOT, WILLIAM E
24334 OCCUPANT UNKNOWN,
24350 OCCUPANT UNKNOWN,
24440 OCCUPANT UNKNOWN,
24476 GUTIERREZ, ANTONIO M
24497 CUSTOM GLASS PRODUCTS
FYDRYCH, JERRY R
24502 BROOKS, EUSTACE W
24631 RESENDES, MANUEL M
25745 VOGT, CHET

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2010

101	ESPINOZA, HORTENCIA
110	BUTLER, ODIS J
120	MEDRANO, LUPE
140	OCCUPANT UNKNOWN,
165	ANDERSON, LARRY W
212	OCCUPANT UNKNOWN,
220	PARADISO, JOEY A
240	OCCUPANT UNKNOWN,
245	PREMIER CINEMAS
246	OCCUPANT UNKNOWN,
265	ALLSTATE INSURANCE CO
	BODY TRANSFORMATIONS
	CUCHIS
	DLP COMMERCIAL
	DLP REAL ESTATE
	HOT SPOT SALON
	SINGH, MANDIP
280	AMERICAN SELF STORAGE
285	GOLDEN VALLEY HEALTH CTR
	GREENER VICTOR L DPM
	GREENER, VICTOR
	INFINITE WOMENS CARE
	PINNACLE HEALTH CARE
	SHARMA NAZHAT EYE CLINIC
320	OCCUPANT UNKNOWN,
402	CENTRAL CONCRETE
	RAMOS AUTO REPAIR
419	HOSTETLER REAL ESTATE
420	MERCEY SPRINGS RD MINI STORAGE
429	OCCUPANT UNKNOWN,
439	A & A ALL PRO AUTO REPAIR
447	CARQUEST AUTO PARTS
	GOLDEN STATE SUPPLY INC
	TEEDEEUS AUTO PARTS
500	R C SHERWOOD GRAIN CO
508	DESIGNS CALIFORNIA
518	YOUNG, MAXINE M
544	FALASCO, T
549	FALASCO JANINE
	LOS BANOS LUMBER & SALES CO
605	ATKINSON, ELIAS H
625	OCCUPANT UNKNOWN,
702	OCCUPANT UNKNOWN,
	RODRIGUES, TONY
714	MARTIN, ROSE M
836	CORRAL, JUAN R
	GALAXIE APARTMENTS
	LOPEZ, ARACELI
838	ARGOTE, GILBERTO
	GONZALEZ, LEOVILDA P

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2010 (Cont'd)

840	GONZALEZ, FRANK
	SPENCER, KENNETH L
	VILLALOBOS, MARLEN
842	QUINTANILLA, EDITH
844	AGONOY, ERNESTO L
	RAMENO, FROYLAN
846	DUJMOVICH, JACK
	PISANO, CHANEL
848	ROMERO, JUAN
	RUIZ, VERONICA
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 2010

7500	OCCUPANT UNKNOWN,
7559	OCCUPANT UNKNOWN,
9950	GODINEZ, E
10306	LUCKY LEVEN LAND & CATTLE CO
	OCCUPANT UNKNOWN,
11475	DAVIS, JERRY D
12027	NIETO, JESSE
	SANCHEZ, LISA
12031	NIETO, APOLONIO S
12045	FERREIRA, JORGE A
12065	ESTRADA, SALVADOR W
12069	ESTRADA, LETICIA
12123	OCCUPANT UNKNOWN,
12151	OCCUPANT UNKNOWN,
12239	BORBA, JUNE M
12241	ELIAS TOWING
	GARCIA, ELIAS R
12266	VILLAGRANA, ANDRES
12267	OCCUPANT UNKNOWN,
12315	BELASCO, RON
12421	WOOTEN, LONNIE C
12501	AUGUST, MARLENE B
12603	CONTRERAS, SALVADOR C
12735	HENDRIX, MIKE A
16018	MUNOZ, TERESA
16108	KENT, MELVIN D

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2005

12050	OCCUPANT UNKNOWN,
12136	HIXSON, DOUGLAS C
12140	HIXSON, DOUG
13411	ALVARADO, SALVADOR
13412	ZAPIEN, TERESA
13417	MOEN, JAMES
13595	OLIVEIRA, SANDRA C
13621	OLIVEIRA, ANTONIO B
14220	FEATHER RANCH KENNELS
	MUELLER, PHILLIP J
14743	GARCIA, MARTIN R
14950	DEANDA, VICTORIANA
14970	AREIAS, JAMES A
	OCCUPANT UNKNOWN,
15101	RAMOS, GARY W
15475	LOPEZ, SALVADOR
15681	EVANS, ILDA B
15688	AREIAS, JIM A
	OCCUPANT UNKNOWN,
15801	OCCUPANT UNKNOWN,
16041	ALVARADO, MANUEL C
17963	OCCUPANT UNKNOWN,
18110	ALLEN, SEAN M
	FISH AND GAME CA DEPT OF
18138	OVERTON, SHAD M
18825	BELTRAN, PEDRO
18926	ACUNA, TERESA
	BARRAZA, JOAQUINA
	BOJORQUEZ, MARIA
	BROWN CONSTRUCTION
	CAMPOS, CELIA
	CUBIAS, ORLANDO A
	HERNANDEZ, DANIEL
19037	OCCUPANT UNKNOWN,
19043	ROSALES, AZAEL
19051	OCCUPANT UNKNOWN,
19208	ESPINOSA, CRUZ P
19307	SHELLY, M
19426	ORTEGA, ALFREDO
20009	DELDIN, MICHAEL B
20192	SPOHN, JEANNE M
20321	GONZALEZ, PAULINO
20654	CORNEJO, CORNELIO
20690	SAN FRANCISCO CHRONICLE
	STEWART, PATRICK V
20722	TOVAR, JOSE M
21248	LAGRUTTA, JEAN A
21392	SAICH, ANTON
21534	GUTIERREZ, JOE G
21810	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2005 (Cont'd)

21881 GERMINO FARMS
GERMINO, DAN M
22008 WAKELING, VIRGINIA L
22014 VELASCO, ROBERT J
22510 SANCHEZ, HENRY
22522 BAUTISTA, MARIA
22536 OCCUPANT UNKNOWN,
22578 COSTA, GUIOMAR C
MANUEL B COSTA
22956 RUBALCAVA, RAMON F
23100 MENEZES, CHRIS
23109 ROSELLI, JOHN E
23111 BROWN, JUDY M
23611 NUNES, RICK A
OCCUPANT UNKNOWN,
23651 SIMMONS, GEORGE R
23900 OCCUPANT UNKNOWN,
24140 MANCINO, GEORGE R
24240 ARELLANES, ARNOLDO
24242 PAZ, MARIA G
24244 LIGHTFOOT, WILLIAM E
24334 CARRILLO, JOE H
24350 ARMENTA, DAVID
24440 VARGAS, ALBERT T
24476 GUTIERREZ, ANTONIO M
24497 CARROLL, DONNIE L
24502 BROOKS, EUSTACE W
24631 MR TRUCKING
RESENDES, MANUEL M
25745 VOGT, CHET

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2005

120	MEDRANO, JESUS M
140	OCCUPANT UNKNOWN,
212	OCCUPANT UNKNOWN,
220	PARADISO, JOEY
225	LOS MICHACANOS FAST MEXICAN FOOD
	TONYS DONUTS & ICE CREAM
240	FERREIRA, M E
246	LESTER, FLORA
265	CAMPOS FLOWERS
	CURVES
	JOURNEYS
	STATE FARM / ANDREA LAHOCKI
285	PINNACLE HEALTH CARE
420	MERCEY SPRINGS RD MINI STORAGE LLC
439	A & A ALL PRO AUTO REPAIR
447	CAR QUEST AUTO PARTS
	TEEDEEUS AUTO SERVICES
500	RC SHERWOOD GRAIN
508	MESAS SYSTEMS
518	YOUNG, EVERT W
531	LOS BANOS LUMBER & SALES CO
535	BEHARKA ROBERT W ARCHITECT AIA
536	SINGH, MICHAEL J
544	FALASCO, T
549	SULIN LLC
605	OCCUPANT UNKNOWN,
625	ROWE, EDWIN B
702	OCCUPANT UNKNOWN,
	RODRIGUES, TONY
714	MARTIN, ALVIN C
836	BOWEN, LORINDA M
	CORRAL, JUAN R
	GALLICHIO, BRETT
838	MARTINEZ, HECTOR
	VALDEZ, DANNY
840	RIVERA, MARIE C
	RODRIGUEZ, SAUL
	SANCHEZ, MARIO
842	GARCIARIVERA, MONA
	GUTIERREZ, CLAUDIA
	HULING, JEB
	JONES, SARAH
	MILLER, HELENE C
	SANCHEZ, ROBERT
844	GALAXIE APARTMENTS
	GALAXIE, A
	SPAZIANO, ETTA M
	TODD, ROBERT
846	FERNANDEZ, JANET K
	HERNANDEZ, AARON

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2005 (Cont'd)

846	SANCHEZ, BLANCA
	SCHLINGER, CHARLES M
848	GOMES, DANIELLE M
	MARTINEZ, DANIEL
	RAMOS CARPET CLEANING SERVICE
	RAMOS, RAUL
	RIOS, JOE
	RIVERA, JESSICA
	RUIZ, VERONICA
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 2005

7500	OCCUPANT UNKNOWN,
7559	ELESHIO, PAUL A
9950	OCCUPANT UNKNOWN,
10306	LUCKY LEVEN LAND & CATTLE CO
	OCCUPANT UNKNOWN,
11475	DAVIS, JERRY D
12027	NIETO, JESSICA
12031	NIETO, APOLONIO S
12045	FERREIRA, JORGE A
12065	ESTRADA, SOCORRO
12151	OCCUPANT UNKNOWN,
12239	COLBY, DANELL
12241	CASTANEDA, ROBERT J
12266	VILLAGRANA, ALVARO
12267	OCCUPANT UNKNOWN,
12315	BRONSON, DAN D
	MCCLELLON, JAMES
12421	WOOTEN, LONNIE C
12501	AUGUST, JOHN L
12735	HENDRIX, MIKE
16018	REESE, MARIA
16108	KENT, M

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2000

12136 HIXSON, DOUGLAS C
12140 OCCUPANT UNKNOWN,
13411 ALVARADO, S
13412 OCCUPANT UNKNOWN,
13595 RIVAS, A
13598 OCCUPANT UNKNOWN,
13621 BELO, MARIA T
14220 FEATHER RANCH KENNELS
MUELLER, PHILLIP
14743 GARCIA, MARTIN
14970 AREIAS, JAMES
15101 RAMOS, GARY
15475 OCCUPANT UNKNOWN,
15483 OCCUPANT UNKNOWN,
15681 EVANS, ILDA
15688 AREIAS, JIM
16041 ALVARADO, MANUEL C
17963 OCCUPANT UNKNOWN,
18110 CALIFORNIA STATE OF FISH & GAME DEPARTMENT
KRANZ, JENNY R
18138 OVERTON, S
18168 COOK, WILLIAM
19208 ESPINOSA, CRUZ
19726 LUNA, RICKY
20009 OCCUPANT UNKNOWN,
20015 BOLDING, ROBERT
20192 OCCUPANT UNKNOWN,
20654 CORNEJO, C
TALBOTT, RAYMOND
20690 SAN FRANCISCO EXAMINER LOS BANOS DISTRIBUTOR
STEWART, PATRICK V
20722 GARCIA, SAMUEL C
21248 LAGRUTTA, JEAN A
21534 VIRGO, EDWARD
21881 GERMINO, DAN M
22008 WAKELING, LYNN
22014 VELASCO, ROBERT J
22956 RUBALCAVA, RAMON F
23100 MENEZES, DEENA M
23109 ROSELLI, JOHN
SPRAGUE, BILL
23651 NUNES, RICK
SIMMONS, GEORGE B
23900 COELHO, VICTOR
24140 MANCINO, GEORGE
24240 CARDENAS, AURELIO G
24242 OCCUPANT UNKNOWN,
24244 LIGHTFOOT, WILLIAM E
24334 CARRILLO, JOE
24350 OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 2000 (Cont'd)

24440	FACCHINI, VINCE R
24476	GUTIERREZ, ANTONIO M
24497	CARROLL, ROBERT L
25745	RIVERA, SANTOS
	VOGT, CHET

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 2000

110	OCCUPANT UNKNOWN,
220	PARADISO, JOEY
240	OCCUPANT UNKNOWN,
246	LESTER, JOHN E
436	GLOVER, DESIREE
	RODRIGUEZ, MICAELA
508	UNIVERSAL PLUMBING
518	YOUNG, EVERT W
531	LOS BANOS LUMBER & SALES COMPANY
535	BEHARKA ROBERT W ARCHITECT AIA
549	FALASCO T GENL & ENGNRNG CONTRACTOR
	FALASCO, DOMINIC
	R K RANCHES LLC
607	OCCUPANT UNKNOWN,
620	OCCUPANT UNKNOWN,
625	ROWE, EDWIN B
700	LOS BANOS CITY OF PARKS & RECREATION MILLER & LUX
	LOS BANOS DRIVING RANGE
702	RODRIGUES, MANUEL D
714	MARTIN, ALVIN
836	HUGHES, E C
840	CANTRELL, JANET M
	MARTINEZ, D
842	KIM, C
	RIOS, ARMANDO
844	GALAXIE APARTMENTS
	NAILLON, DAN W
	STARKER, CHARLES
846	BHASKAR, HANSA
	PEREZ, VIDAL
848	BELASCO, F M
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 2000

7559	DYER, KEN
7560	SIMPLE TEN DUCK CLUB
9950	HARVEY, JUDITH A
9956	HARVEY, HERSHEL
10306	LUCKY LEVEN LAND & CATTLE COMPANY
11475	DAVIS, JERRY
12031	OCCUPANT UNKNOWN,
12065	ESTRADA, SOCORRO
12151	OCCUPANT UNKNOWN,
12239	CASTANEDA, JUNE
12241	OCCUPANT UNKNOWN,
12266	LOVETT, IRIS E
12315	BRONSON, DAN
	MCCLELLON, JAMES
12421	WOOTEN, JUDY
16018	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 1995

13412	OCCUPANT UNKNOWNN
13595	RIVAS, A
14220	FEATHER RANCH KENNELS
	MUELLER, PHILLIP
14743	RODONI, DELTA
15101	RAMOS, GARY
15475	FROMAN, PAUL
15681	EVANS, ILDA
15688	AREIAS, JIM JR
15801	SANDERS, DENNIS
18110	CARROLL, C
	FISH & GAME DEPT
18138	KNOENSCHILD, RICHARD
18168	COOK, WILLIAM JR
18170	WOLF, C
18926	ALVAREZ, BELTRAN G
	ARRELLANO, JAVIER
	BARAJAS, A
	BARRAZA, TORRES J
	BOJORQUEZ, FELIPE
	BOJORQUZ, EBELIO
	CAMARILLO, B
	CAMPOS, CECILIA
	CAMPOS, CELIA
	CARDENAS, B
	CARLOS, JAVIER L
	CHAVEZ, SANDRA
	CHAVEZ, TERESA
	CISNEROS, G O
	CORONA, ROSA M
	CORREA, JOSE G
	ESPINOZA, A
	FLORES, IMELDA
	GAMEZ, J
	GARZA, OFELIA
	GUTIERREZ, GUSTAVO
	HERNANDEZ, DANIEL
	MAGALLANES, JUAN
	MAGALLANES, VILLA J
	MELENDREZ, ROSENDO
	MIRANDA, M L
	NUNEZ, G
	OROZCO, P
	REYES, ENEDINA
	RIVAS, REMIGIO
	RIVERO, G
	RODRIGUEZ, JOSE L
	ROJO, EDMUNDO C
	ZARAGOZA, JOSE A
19208	ESPINOSA, CRUZ

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 1995 (Cont'd)

19726	LUNA, RICKY
20015	BOLDING, ROBERT W
20100	CAMACHO, CAROL
20192	BRYAND, BOB
	WESTSIDE LABOR CONTRACTORS INC
20654	TALBOTT, M
20690	SAN FRANCISCO CHRONICLE
	STEWART, PATRICK V
20722	FOREBAY ROCKERY
21248	LAGRUTTA, JOE
21788	SHELBY, DAVID
21810	BERTAO, FRANK JR
22008	WAKELING, LYNN
22014	VELASCO, ROBERT J
22578	COSTA, MANUEL
23109	ROSELLI, JOHN JR
	SPRAGUE, BILL
23651	SIMMONS, GEORGE B
23900	COELHO, VICTOR
24140	MANCINO, GEORGE
24240	OCCUPANT UNKNOWNN
24416	OCCUPANT UNKNOWNN
24440	LUDLUM, RICK D
24476	OCCUPANT UNKNOWNN
24497	CARROLL, ROBERT L
25745	VOGT, CHET
27485	OROZCO, JUAN I
27503	LIMA, MANUEL

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 1995

140	LITTLE, DIANA
143	OCCUPANT UNKNOWNN
323	BROWNS AUTO & CYCLE SVC
436	LOPEZ, LORI
500	LISAS PET GROOMING
508	LOS BANOS GLASS & MIRROR
518	YOUNG, EVERT W
531	LOS BANOS LUMBER & SALES CO
535	ROBERT W BEHARKA
605	OCCUPANT UNKNOWNN
607	OCCUPANT UNKNOWNN
614	WESTSIDE COMMUNITY CHURCH
625	ROWE, EDWIN B
655	AHUMADA, OLGA
702	RODRIGUES, MANUEL D
714	MARTIN, ALVIN
836	BOWEN, LORINDA
	DINGWALL, MALCOLM H
	LANGENHOVEL, A W
	MCKENZIE, THOMAS
838	BARNES, RAY
	BEINE, ALAN
	COBB, BRADLEY
840	BORGES, HANK
	GILLUM, RANDY L
842	DORRIS, MURRY
	SANDOVAL, V
844	GALAXIE APARTMENTS
846	BHASKAR, HANSA
848	GOMES, EVELYN T
	SANDHU, BALHAR
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 1995

9956	HARVEY, HERSHEL
10306	LUCKY LEVEN LAND & CATTLE CO
11475	DAVIS, JERRY
12031	ARAGONA, JAMES
12151	BALTIMORE, WENDELL E
12241	CASTANEDA, ROBERT J
12315	MCCLELLON, ROBERT D
12421	WOOTEN, JUDY
12735	HENDRIX, TOMMY L

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 1992

13411	MEDINA, G
13595	RIVAS, A
13621	RIVAS, RAFAEL
14220	MUELLER, PHILLIP
15101	RAMOS, GARY
15681	EVANS, ILDA
15688	AREIAS, JIM JR
15801	SANDERS, DENNIS
16041	DELATORRE, ALFONSO
18110	BLAKE, DONALD
	CA ST FISH&GAME DPT
18926	AGUIRRE, T
	BARBA, SYLVIA
	CAMARILLO, B
	CAMPOS, CECILIA
	CARLOS, GUSTAVO
	CHAVEZ, JOSE
	CHAVEZ, SANDRA
	CHAVEZ, TERESA
	CORREA, JOSE G
	FLORES, GABRIEL
	FLORES, IRMA
	FLORES, MARIA E
	FLORES, ROSA
	HOUSING ATHRTY MRCD
	INIGUEZ, SOTO J
	LOPEZ, E G
	LOS BANOS CHLD CNTR
	LUNA, CONNIE
	LUNA, RUTH
	MONTOYA, ISRAEL
	NEGRETE, FELIX
	ORTIZ, JAIME
	PIMENTEL, LETICIA F
	REYES, ENEDINA
	RIVAS, MARTHA
	SALAS, REMIGIO H
	TORRES, JOSE
	VELAZQUEZ, C
	VILLANUEVA, IRMA
20192	BRYANT, CE C
	CONTRERAS, LAURA
20654	TALBOTT, M
20690	SAN FRAN CHRONICLE
	STEWART, PATRICK V
20722	FOREBAY ROCKERY
	SAKAMOTO, HARRY
21248	LAGRUTTA, JOE
21392	BANDLEY, DON O
21810	BERTAO, FRANK JR

Target Street	Cross Street	Source
-	✓	Cole Information

HENRY MILLER RD 1992 (Cont'd)

21813	GERMINO, R
21881	GERMINO, DAN M JR
22008	WAKELING, LYNN
22014	VELASCO, ROBERT J
22578	COSTA, MANUEL
23109	ROSELLI, JOHN JR
	SPRAGUE, BILL
23651	SIMMONS, CHARLIE T
24140	MANCINO, GEORGE
	RIP TIDE POOL SPLY
24440	LUDLUM, RICK D
24497	CARROLL, ROBERT L
25745	VOGT, CHET
27485	OROZCO, JUAN I
27503	LIMA, MANUEL
28414	VILLALOBOS, LUIS

Target Street	Cross Street	Source
-	✓	Cole Information

MERCEY SPRINGS RD 1992

140	YOUNG, SARA
317	LOS BANOS TRNSMSNS
323	BROWNS AUTO&CYCLE
	IMPORT SHOP THE
	T JS PET SHOP
500	LISAS PET GROOMING
	MAREMCO INC
	PAINTING CO THE
508	LOS BANOS GLASS&MRR
	NATURITE INC
518	YOUNG, EVERT W
531	LOS BANOS LUMBER&SL
535	BEHARKA ROBERT AIA
549	FALASCO T GENL CONT
614	WESTSIDE CMTY CH
625	ROWE, EDWIN B
700	LOS BANOS CTY PKS
702	RODRIGUES, MANUEL D
714	RODRIGUES, M
747	LINDEMANN PRODUCE
836	LANGENHOVEL, A W
838	FIALHO, J
840	GILLUM, RANDY L
844	GALAXIE APARTMENTS
	HICKEY, FRANCES
	STARKER, CHARLES
846	BHASKAR, HANSA
	MELLO, EDDIE
902	FAWCETT, JOHN D

Target Street	Cross Street	Source
✓	-	Cole Information

SANTA FE GRADE 1992

7560	SIMPLE TEN DUCK CLB
9956	HARVEY, HERSHEL
10306	LUCKY LEVEN LAND
11475	DAVIS, JERRY
12031	ARAGONA, JAMES
12421	WOOTEN, JUDY
16018	CARVALHO, RON
16107	FERREIRA, URYAN

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

HENRY MILLER RD 1985

HENRY MILLER AV 93635
LOS BANOS

11809	BORELLI JOHN	826-5250	2
12050	XXXX	00	
13411	XXXX	00	
13621	AREIAS DENNIS	826-6242	+5
	AREIAS DENNIS DAIRY	826-0462	2
	AVELAR JULIO	826-3157	+5
	LIMA LUIS C	826-1986	2
14220	XXXX	00	
14743	RODONI DELTA	826-0345	1
14970	AREIAS JAMES	826-2531	+5
15101	RAMOS GARY	826-5223	0
15681	EVANS ILDA	826-2601	6
15688	AREIAS JIM JR	826-3241	7
15801	SANDERS DENNIS	826-2998	9
17959	XXXX	00	
18110	BLAKE DONALD	826-1016	2
	CA ST FISH&GAME DRY	826-0483	1
18136	XXXX	00	
18168	WILBUR ROGER	826-6939	8
18170	RENO DANNY R	826-6716	+5
18926	HOUSING AUTHRTY MRCD	826-1928	
	LOS BANOS CHLD CARE	825-0443	1
19208	XXXX	00	
19726	BECKWITH THOS	826-4025	+5
20192	BRYANT ROBT	826-3616	
20321	LEGGLER D	826-5319	9
	MCBRIDE EDDIE	826-5319	9
20654	TALBOTT MICHELLE	826-4775	2
	TALBOTT RAYMOND	826-3725	
20722	SAKAMOTO HARRY	826-2483	7
	SAKAMOTO TRUCKING	826-1043	7
21248	LAGRUTTA JOE	826-1715	
21392	BANDLEY DON O	826-6816	9
21788	CHANDLER ALTA	826-2716	2
21813	GERMINO R	826-4601	
21831	XXXX	00	
21881	GERMINO DAN M JR	826-4356	
22008	WAKELING LYNN	826-3600	
22578	COSTA MANUEL	826-6203	9
23109	ROSELLI JOHN JR	826-4650	
	ROSELLI SAM	826-3595	7
	SPRAGUE BILL	826-0961	8
24240	MARTINEZ FIDEL	826-4104	4
24497	CARROLL ROBT L	826-3167	7
25745	VOGT CHET	826-1594	4
NO #	COLUMBIA CANAL CO	826-5112	
NO #	K L B S RADIO STN	826-4996	
NO #	LOWER SAN JOAQUIN	826-5112	
NO #	SANLUIS CANAL CO	826-5112	
NO #	SAUDE JOHN	826-2857	3
*	8 BUS 42 RES	5 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

MERCEY SPRINGS RD 1985

MERCY SPGS RD 93635
LOS BANOS

518	YOUNG E W	826-1172	
605	SHIRLEY GEO A SR	826-0221	
625	ROWE E B	826-2757	
714	RODRIGUES JOHN JR	826-4153	
747	LINDEMANN PCKNG SHD	826-1076	
840	GALLICHIO J	826-3132	+5
900	FAWCETT H G MRS	826-5623	
902	FAWCETT JOHN D	826-4410	9
905	UNION SUGAR CO	826-4084	0

* 2 BUS 7 RES 1 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SANTA FE GRADE 1985

SANTA FE GRADE 93635
LOS BANOS

9435	MAKIN GAIL L	826-6169	0
9956	HARVEY HERSHEL	826-2381	0
10305	RUSSO SAM	826-0661	7
11475	MESQUITA A	826-1170	8
12031	MAYO FOY G	826-1917	
12151	XXXX	00	
12266	HUGHES BERT E	826-3326	3
12315	MCCLELLON ROBT	826-0563	7
12421	WOOTEN JUDY	826-4561	
	WOOTEN LONNIE	826-4561	
	WOOTEN LORI	826-2009	+S
12735	HENDRIX TOMMY	826-2845	1
16108S	MILLS HAROLD	828-4487	4
18D10S	RA PHIL	826-3859	4
NO #	BIG WTR LND&CATTLE	826-1589	
NO #	PICCALO CARLO	828-1944	1
NO #	RUBINO SAM	826-4743	
*	1 BUS 16 RES	1 NEW	

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

HENRY MILLER RD 1981

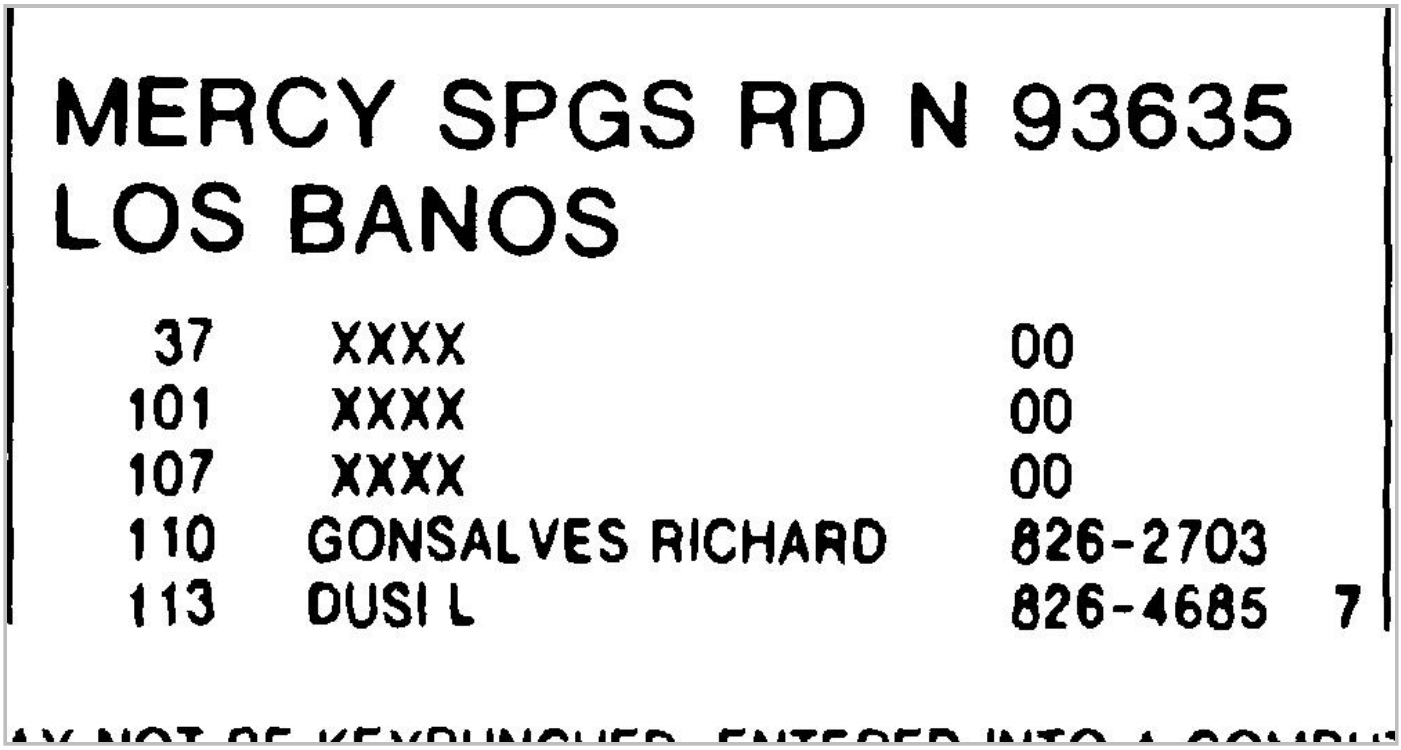
HENRY MILLER AV W
93635 LOS BANOS

11778	XXXX	00	
11828	MACMILLIAN BILL	826-6360	0
12050	ANDERSON CLAYTON&CO	826-2675	5
	BRADY JESSE E	826-0449	0
13110	XXXX	00	
13411	LOMAN E G	826-4171	0
13621	AREIAS JAS	826-2531	
	LIMA LUIS P	826-3948	7
14220	AREIAS DENNIS	826-6242	0
14743	RODONI DELTA	826-0345	+1
15101	RAMOS GARY	826-5223	0
15475	XXXX	00	
15681	EVANS ILDA	826-2601	6
15688	AREIAS JANICE	826-3241	7
15801	SANDERS DENNIS	826-2998	9
17957	XXXX	00	
17959	CORTCZ MARCELINO R	826-0208	+1
17961	XXXX	00	
18110	CA ST FISH&GAME DPT	826-0463	+1
	CAWTHON JEROME	826-5086	
	KLEIN KEN	826-6595	+1
18138	XXXX	00	
18168	WILBUR ROGER	826-6999	8
18170	XXXX	00	
18926	HOUSING ATHRTY MRCD	826-1926	
	LOS BANOS CHLD CARE	826-0443	+1
19208	OLIVIERA TONY	826-6579	0
19522	XXXX	00	
19726	CARDOZA GENE	826-1698	7
20192	BRYANT ROBT	826-3616	
20321	LEGGLER D	826-5319	9
	MCBRIDE EDDIE	826-5319	9
20654	TALBOTT RAYMOND	826-3725	4
20722	SAKAMOTO HARRY	826-2483	7
	SAKAMOTO TRUCKING	826-1043	7
21248	LAGRUTTA JOE	826-1715	5
21392	BANDLEY DON O	826-6616	9
21810	XXXX	00	
21812	XXXX	00	
21813	GERMINO R	826-4601	
21851	XXXX	00	
21881	GERMINO DAN M JR	826-4356	
22008	LEDESMA PATTY	826-1528	+1
	WAKELING LYNN	826-3600	5
22578	COSTA MANUEL	826-6203	9
22956	SOUZA GARY	826-1732	8
23014	XXXX	00	
23097	XXXX	00	
23109	ROSELLI JOHN JR	826-4650	
	ROSELLI SAM	826-3595	7
	SPRAGUE BILL	826-0961	8
24140	CURRY CORNELL	826-2965	6
24240	CURTIS ALLAN	826-1745	+1
24497	CARROLL ROBT L	826-3167	7
25745	VOGT CHET	826-6031	9
27125	SOUZA JOE	826-2500	4
27190	XXXX	00	
27194	ROCHA ANTONIO M	826-2697	+1
27483	GODINHO MANUEL R	826-2517	0
27485	GOMES MANUEL L	826-5508	5
27503	AREIAS LARRY	826-6453	0
27598	BETTENCOURT FRANK	826-6008	8
	LAZY A RANCH	826-3726	4
	LOPES LIONEL	826-1216	0
27999	ROCHA TOM	826-1442	0
NO #	COLUMBIA CANAL CO	826-5112	
NO #	K L B S RADIO STN	826-4996	
NO #	LOWER SAN JOAQUIN	826-5112	4
NO #	RADIO STN K L B S	826-4996	
NO #	SANLUIS CANAL CO	826-5112	
NO #	SAUDE JOHN	826-2857	3

★ 11 BUS 60 RES 8 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

MERCEY SPRINGS RD 1981

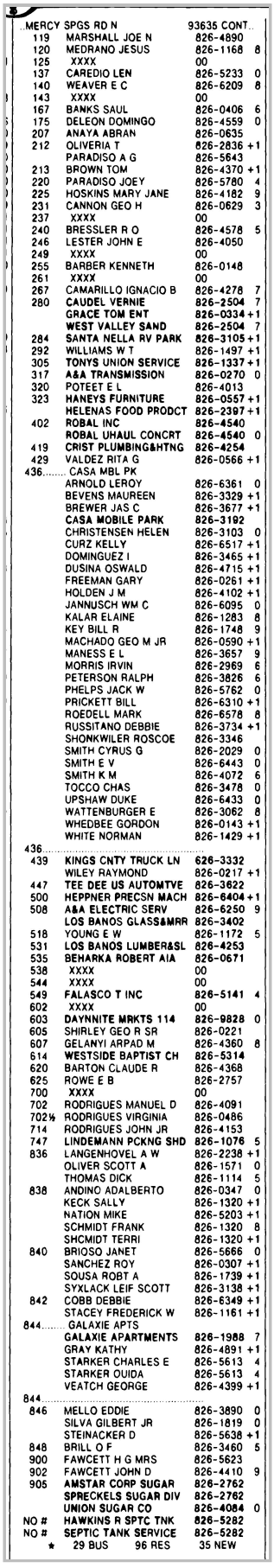


MERCY SPGS RD N 93635
LOS BANOS

37	XXXX	00	
101	XXXX	00	
107	XXXX	00	
110	GONSALVES RICHARD	826-2703	
113	DUSI L	826-4685	7

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

MERCEY SPRINGS RD 1981



..MERCY SPGS RD N 93635 CONT..
119 MARSHALL JOE N 826-4890
120 MEDRANO JESUS 826-1168 8
125 XXXX 00
137 CAREDIO LEN 826-5233 0
140 WEAVER E C 826-6209 8
143 XXXX 00
167 BANKS SAUL 826-0406 6
175 DELEON DOMINGO 826-4559 0
207 ANAYA ABRAN 826-0635
212 OLIVERIA T 826-2836 +1
PARADISO A G 826-5643
213 BROWN TOM 826-4370 +1
220 PARADISO JOEY 826-5780 4
225 HOSKINS MARY JANE 826-4182 9
231 CANNON GEO H 826-0629 3
237 XXXX 00
240 BRESSLER R O 826-4578 5
246 LESTER JOHN E 826-4050
249 XXXX 00
255 BARBER KENNETH 826-0148
261 XXXX 00
267 CAMARILLO IGNACIO B 826-4278 7
280 **CAUDEL VERNIE** 826-2504 7
GRACE TOM ENT 826-0334 +1
WEST VALLEY SAND 826-2504 7
284 **SANTA NELLA RV PARK** 826-3105 +1
292 WILLIAMS W T 826-1497 +1
305 **TONYS UNION SERVICE** 826-1337 +1
317 **A&A TRANSMISSION** 826-0270 0
320 POTEET E L 826-4013
323 **HANEYS FURNITURE** 826-0557 +1
HELENAS FOOD PRODCT 826-2397 +1
402 **ROBAL INC** 826-4540
ROBAL UHAUL CONCRT 826-4540 0
419 **CRIST PLUMBING&HTNG** 826-4254
429 VALDEZ RITA G 826-0566 +1
436..... CASA MBL PK
ARNOLD LEROY 826-6361 0
BEVENS MAUREEN 826-3329 +1
BREWER JAS C 826-3677 +1
CASA MOBILE PARK 826-3192
CHRISTENSEN HELEN 826-3103 0
CURZ KELLY 826-6517 +1
DOMINGUEZ I 826-3465 +1
DUSINA OSWALD 826-4715 +1
FREEMAN GARY 826-0261 +1
HOLDEN J M 826-4102 +1
JANNUSCH WM C 826-6095 0
KALAR ELAINE 826-1283 8
KEY BILL R 826-1748 9
MACHADO GEO M JR 826-0590 +1
MANESS E L 826-3657 9
MORRIS IRVIN 826-2969 6
PETERSON RALPH 826-3826 6
PHELPS JACK W 826-5762 0
PRICKETT BILL 826-6310 +1
ROEDELL MARK 826-6578 8
RUSSITANO DEBBIE 826-3734 +1
SHONKWILER ROSCOE 826-3346
SMITH CYRUS G 826-2029 0
SMITH E V 826-6443 0
SMITH K M 826-4072 6
TOCCO CHAS 826-3476 0
UPSHAW DUKE 826-6433 0
WATTENBURGER E 826-3062 8
WHEDBEE GORDON 826-0143 +1
WHITE NORMAN 826-1429 +1
436.....
439 **KINGS CNTY TRUCK LN** 826-3332
WILEY RAYMOND 826-0217 +1
447 **TEE DEE US AUTOMTVE** 826-3622
500 **HEPPNER PRECSN MACH** 826-6404 +1
508 **A&A ELECTRIC SERV** 826-6250 9
LOS BANOS GLASS&MRR 826-3402
518 YOUNG E W 826-1172 5
531 **LOS BANOS LUMBER&SL** 826-4253
535 **BEHARKA ROBERT AIA** 826-0671
538 XXXX 00
544 XXXX 00
549 **FALASCO T INC** 826-5141 4
602 XXXX 00
603 **DAYNNITE MRKTS 114** 826-9828 0
605 SHIRLEY GEO R SR 826-0221
607 GELANYI ARPAD M 826-4360 8
614 **WESTSIDE BAPTIST CH** 826-5314
620 BARTON CLAUDE R 826-4368
625 ROWE E B 826-2757
700 XXXX 00
702 RODRIGUES MANUEL D 826-4091
702½ RODRIGUES VIRGINIA 826-0486
714 RODRIGUES JOHN JR 826-4153
747 **LINDEMANN PCKNG SHD** 826-1076 5
836 LANGENHOVEL A W 826-2238 +1
OLIVER SCOTT A 826-1571 0
THOMAS DICK 826-1114 5
838 ANDINO ADALBERTO 826-0347 0
KECK SALLY 826-1320 +1
NATION MIKE 826-5203 +1
SCHMIDT FRANK 826-1320 8
SHCMIDT TERRI 826-1320 +1
840 BRIOSO JANET 826-5666 0
SANCHEZ ROY 826-0307 +1
SOUSA ROBT A 826-1739 +1
SYXLACK LEIF SCOTT 826-3138 +1
842 COBB DEBBIE 826-6349 +1
STACEY FREDERICK W 826-1161 +1
844..... GALAXIE APTS
GALAXIE APARTMENTS 826-1988 7
GRAY KATHY 826-4891 +1
STARKER CHARLES E 826-5613 4
STARKER OUIDA 826-5613 4
VEATCH GEORGE 826-4399 +1
844.....
846 MELLO EDDIE 826-3890 0
SILVA GILBERT JR 826-1819 0
STEINACKER D 826-5638 +1
848 BRILL O F 826-3460 5
900 FAWCETT H G MRS 826-5623
902 FAWCETT JOHN D 826-4410 9
905 **AMSTAR CORP SUGAR** 826-2762
SPRECKELS SUGAR DIV 826-2762
UNION SUGAR CO 826-4084 0
NO # **HAWKINS R SPTC TNK** 826-5282
NO # **SEPTIC TANK SERVICE** 826-5282
★ 29 BUS 96 RES 35 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SANTA FE GRADE 1981

SANTA FE GRADE S 93635
LOS BANOS

9435	MAKIN GAIL L	826-6169	0
9966	HARVEY HERSHEL	826-2361	0
10306	RUSSO SAM	826-0661	7
11475	MESQUITA A	826-1170	8
12031	MAYO FOY G	826-1917	
12151	BALTIMORE WENDELL	826-1991	+1
12241	DANNER ROBT	826-3383	8
12266	HUGHES BERT E	826-3326	3
12315	MCCLELLON ROBT	826-0563	7
12421	WOOTEN JUDY	826-4561	5
	WOOTEN LONNIE	826-4561	5
12735	HENDRIX TOMMY	826-2845	+1
NO #	BIG WTR LHD&CATTLE	826-1569	
NO #	OLD LOS BANOS DUCK	826-9711	+1
NO #	PICCALO CARLO	826-1944	+1
NO #	RUBINO SAM	826-4743	

★ 2 BUS 14 RES 4 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

HENRY MILLER RD 1977

HENRY MILLER AV W 93635 LOS BANOS

12050	*ANDERSON CLAYTON&CO	826-2675 5
	COX J A	826-2585 4
13411	BINGHAM MICHAEL L	826-1154 6
13621	AREIAS JAS	826-2531
	LIMA LUIS P	826-3948+7
14743	CLARK ROBT	826-4779 6
15475	XXXX	00
15681	EVANS ILDA	826-2601 6
15688	AREIAS JIM JR	826-3241+7
15801	VANDERPAN DAN	826-3321+7
16041	XXXX	00
17957	GOMES EVERETT BERT	826-3353 3
17959	MILOSEVICH M	826-4699+7
17961	XXXX	00
18110	*CALIF ST FISH GAME	826-0463 6
	CAWTHON JEROME	826-5086
18138	MARTENS WM	826-5113 5
18168	TERRILL PHIL	826-4733 6
18170	CRAWFORD CALVERT JR	826-1773 6
18926	*HOUSING ATHRTY MRCD	826-1926
	*HSNG AUTH LOS BANS	826-1926+7
19208	SILVA TONY G	826-3852+7
19522	MACK RUSSELL	826-5257 6
19726	CARDOZA GENE	826-1698+7
20192	BRYANT ROBT	826-3616
20321	COZZI JOS	826-2967
20654	TALBOTT RAYMOND	826-3725 4
20722	SAKAMOTO HARRY	826-2483+7
	*SAKAMOTO TRUCKING	826-1043+7
21248	LAGRUTTA JOE	826-1715 5
21392	THOMAS R W	826-5579+7
21534	SELF ROSS	826-2060+7
21810	PINHEIRO ROSA	826-2656 6
21812	XXXX	00
21813	GERMINO DAN S SR	826-4601
21851	XXXX	00
21881	GERMINO DAN M JR	826-4356
22008	WAKELING LYNN	826-3600 5
22578	XXXX	00
22956	WEIZEL KENNETH	826-5020 3
23014	XXXX	00
23097	ROSELLI JOHN	826-4615
23109	ROSELLI JOHN JR	826-4650
	ROSELLI SAM	826-3595+7
24140	CURRY CORNELL	826-2965 6
24240	SEPULVEDA VICENTE	826-0787+7
24497	CARROL ROBT L	826-3167+7

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

HENRY MILLER RD 1977

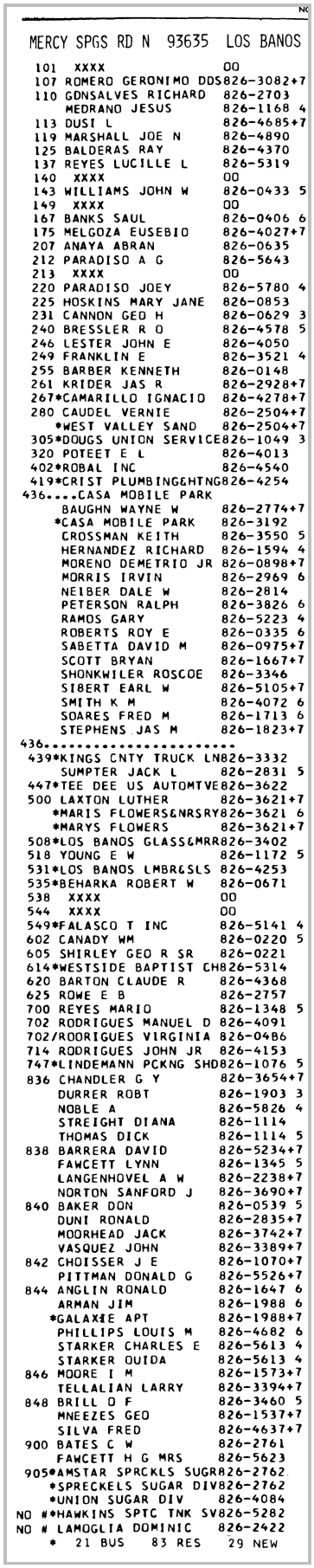
..HENRY MILLER AV W 93635 CONT..

5	27125	SOUZA JOE	826-2500 4
	27190	XXXX	00
6	27483	MARQUES JOSE S	826-4725 3
		MIRANDA NORMAN S	826-0814+7
	27485	AREIAS LAWRENCE	826-3705+7
5		GOMES MANUEL L	826-5508 5
	27598	*LAZY A RANCH	826-3726 4
7		VIERRA MANUEL	826-3790+7
3	NO #	BORELLI JOHN	826-5250
	NO #*	COLUMBIA CANAL CO	826-5112
	NO #*	LOWER SAN JOAQUIN	826-5112 4
	NO #*	RADIO STN K L B S	826-4996
	NO #*	SANLUIS CANAL CO	826-5112
	NO #	SAUDE JOHN	826-2857 3

* 10 BUS 51 RES 17 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

MERCEY SPRINGS RD 1977



MERCY SPGS RD N 93635 LOS BANOS

101 XXXX 00
107 ROMERO GERONIMO DDS 826-3082+7
110 GONSALVES RICHARD 826-2703
MEDRANO JESUS 826-1168 4
113 DUSI L 826-4685+7
119 MARSHALL JOE N 826-4890
125 BALDERAS RAY 826-4370
137 REYES LUCILLE L 826-5319
140 XXXX 00
143 WILLIAMS JOHN W 826-0433 5
149 XXXX 00
167 BANKS SAUL 826-0406 6
175 MELGOZA EUSEBIO 826-4027+7
207 ANAYA ABRAN 826-0635
212 PARADISO A G 826-5643
213 XXXX 00
220 PARADISO JOEY 826-5780 4
225 HOSKINS MARY JANE 826-0853
231 CANNON GEO H 826-0629 3
240 BRESSLER R O 826-4578 5
246 LESTER JOHN E 826-4050
249 FRANKLIN E 826-3521 4
255 BARBER KENNETH 826-0148
261 KRIDER JAS R 826-2928+7
267*CAMARILLO IGNACIO 826-4278+7
280 CAUDEL VERNIE 826-2504+7
*WEST VALLEY SAND 826-2504+7
305*DOUGS UNION SERVICE 826-1049 3
320 POTEET E L 826-4013
402*ROBAL INC 826-4540
419*CRIST PLUMBING&HTNG 826-4254
436....CASA MOBILE PARK
BAUGHN WAYNE W 826-2774+7
*CASA MOBILE PARK 826-3192
CROSSMAN KEITH 826-3550 5
HERNANDEZ RICHARD 826-1594 4
MORENO DEMETRIO JR 826-0898+7
MORRIS IRVIN 826-2969 6
NEIBER DALE W 826-2814
PETERSON RALPH 826-3826 6
RAMOS GARY 826-5223 4
ROBERTS ROY E 826-0335 6
SABETTA DAVID M 826-0975+7
SCOTT BRYAN 826-1667+7
SHONKWILER ROSCOE 826-3346
SIBERT EARL W 826-5105+7
SMITH K M 826-4072 6
SOARES FRED M 826-1713 6
STEPHENS JAS M 826-1823+7
436.....
439*KINGS CNTY TRUCK LN 826-3332
SUMPTER JACK L 826-2831 5
447*TEE DEE US AUTOMTVE 826-3622
500 LAXTON LUTHER 826-3621+7
*MARIS FLOWERS&NRSRY 826-3621 6
*MARYS FLOWERS 826-3621+7
508*LOS BANOS GLASS&MRR 826-3402
518 YOUNG E W 826-1172 5
531*LOS BANOS LMBR&SLS 826-4253
535*BEHARKA ROBERT W 826-0671
538 XXXX 00
544 XXXX 00
549*FALASCO T INC 826-5141 4
602 CANADY WM 826-0220 5
605 SHIRLEY GEO R SR 826-0221
614*WESTSIDE BAPTIST CH 826-5314
620 BARTON CLAUDE R 826-4368
625 ROWE E B 826-2757
700 REYES MARIO 826-1348 5
702 RODRIGUES MANUEL D 826-4091
702/RODRIGUES VIRGINIA 826-04B6
714 RODRIGUES JOHN JR 826-4153
747*LINDEMANN PCKNG SHD 826-1076 5
836 CHANDLER G Y 826-3654+7
DURRER ROBT 826-1903 3
NOBLE A 826-5826 4
STREIGHT DIANA 826-1114
THOMAS DICK 826-1114 5
838 BARRERA DAVID 826-5234+7
FAWCETT LYNN 826-1345 5
LANGENHOVEL A W 826-2238+7
NORTON SANFORD J 826-3690+7
840 BAKER DON 826-0539 5
DUNI RONALD 826-2835+7
MOORHEAD JACK 826-3742+7
VASQUEZ JOHN 826-3389+7
842 CHOISSER J E 826-1070+7
PITTMAN DONALD G 826-5526+7
844 ANGLIN RONALD 826-1647 6
ARMAN JIM 826-1988 6
*GALAXIE APT 826-1988+7
PHILLIPS LOUIS M 826-4682 6
STARKER CHARLES E 826-5613 4
STARKER OUIDA 826-5613 4
846 MOORE I M 826-1573+7
TELLALIAN LARRY 826-3394+7
848 BRILL O F 826-3460 5
MNEEZES GEO 826-1537+7
SILVA FRED 826-4637+7
900 BATES C W 826-2761
FAWCETT H G MRS 826-5623
905*AMSTAR SPRCKLS SUGR 826-2762
*SPRECKELS SUGAR DIV 826-2762
*UNION SUGAR DIV 826-4084
NO #*HAWKINS SPTC TNK SV 826-5282
NO # LAMOGLIA DOMINIC 826-2422
* 21 BUS 83 RES 29 NEW

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SANTA FE GRADE 1977

SANTA FE GRADE S 93635 LOS BANOS

9435	HARVEY HERSHEL	826-2361 6
10306	RUSSO SAM	826-0661+7
12031	MAYO FOY G	826-1917
12266	HUGHES BERT E	826-3326 3
	HUGHES HELEN	826-3326 4
12315	MCCLELLON ROBT	826-0563+7
12421	WOOTEN JUDY	826-4561 5
	WOOTEN LCNNIE	826-4561 5
21306	XXXX	00
NO #	*BIG WTR LND&CATTLE	826-1569
NO #	*ERRECA BERNARD RNCH	826-4718+7
NO #	HARVEY R E	826-4691
NO #	RUBINO SAM	826-4743

* 2 BUS 11 RES 3 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

HENRY MILLER RD 1974

HENRY MILLER AV W 93635 LOS BANOS

12050	COX J A	826-2585+4
	HURST SHERMAN	826-3863
	*SAN JOAQN COTTN OIL	826-2675
13411	MITCHELL LEROY	826-5625+4
13621	AREIAS JAS	826-2531
	SOUTO FRANK	826-1827 3
14743	HARPER HOWARD	826-4779
15475	GONCALVES HENRIQUE	826-4001
15681	SOARES ELDA B	826-2601
15688	SILVA J W	826-2598
15801	BAUER SCOTTY	826-1783
16041	XXXX	00
17957	GOMES EVERETT BERT	826-3353 3
17961	XXXX	00
18110	*CALIF ST FISH&GAME	826-4476
	CAWTHON JEROME	826-5086
18138	XXXX	00
18168	MARTENS WM	826-5113 3
	MILLER CARL F	826-1663+4
18170	WRIGHT GUY D	826-2907
18926	*HOUSING ATHRTY MRCD	826-1926
19726	CARDOZA GENE	826-1698
20192	BRYANT ROBT	826-3616
20321	COZZI JOS	826-2967
20654	TALBOTT RAYMOND	826-3725+4
21534	BROWN R L	826-3648+4
21812	PINHEIRO JOHN	826-2656
21813	GERMINO DAN S SR	826-4601
21851	XXXX	00
21881	GERMINO DAN M JR	826-4356
22956	WEIZEL KENNETH	826-5020 3
23014	XXXX	00
23097	ROSELLI JOHN	826-4615
23109	ROSELLI JOHN JR	826-4650
24140	MCFARLAND HERMAN JR	826-1388+4
24240	WALSH LYLA	826-3269+4
27125	SOUZA JOE	826-2500+4
27190	NUNES EVEREST	826-2297+4
	SILVA MANUEL M	826-5589+4
27483	MARQUES JOSE S	826-4725 3
27485	AREIAS CAROL	826-3705 3
	AREIAS LAWRENCE	826-3705 3
27598	*LAZY A RANCH	826-3726+4
27999	WILSON HERBERT E	826-0926+4
NO	# BORELLI JOHN	826-5250
NO	#*COLUMBIA CANAL CO	826-5112
NO	#*K L B S RADIO STN	826-4996
NO	# LATHAM CHARLES	826-0532
NO	#*LOWER SAN JOAQUIN	826-5112+4
NO	#*RADIO STN K L B S	826-4996
NO	#*SAN LUIS CANAL CO	826-5112
NO	# SAUDE JOHN	826-2857 3

* 0 BUS 43 RES 13 NEW

Target Street	Cross Street	Source
-	✓	Haines Criss-Cross Directory

MERCEY SPRINGS RD 1974

MERCY SPRINGS RD 93635 LOS BANOS

```
  101 WARREN DENNIS L     826-1064+4
  107 JACKSON LARRY S     826-3718 3
  110 MEDRANO JESUS       826-1168+4
  113  XXXX               00
  140 WEAVER E C          826-0923 3
  143 RUPE JACK L         826-5713+4
  149 WOODWARD CARL       826-4782+4
  213 RANTA WESLEY C      826-2947 3
  220 PARADISO JOEY       826-5780+4
  231 CANNON GEO H        826-0629 3
  249 FRANKLIN E          826-3521+4
  267 ALLEN ROBT          826-3710+4
  305*DOUGS UNION SERVICE826-1049 3
  436 BRONSON DAVID       826-5421+4
      HERNANDEZ RICHARD   826-1594+4
      RAMOS GARY          826-5223+4
  538 IMPEARTRICE MIKE J  826-2722
  544 SANCHEZ ADOLFO S    826-0810+4
  549*FALASCO T INC       826-5141+4
  602 TURRI DAN           826-0220+4
  605 SHIRLEY GEO R SR    826-0221
  625 ROWE E B            826-2757
  702 RODRIGUES MANUEL D  826-4091
  714 RODRIGUES JOHN JR   826-4153
  836 CHANDLER G YVONNE   826-3654+4
      DURRER ROBT         826-1903 3
      NOBLE A             826-5826+4
  838 MORGAN MARY ANN     826-3397+4
      WERTH JAMES         826-5489 3
  840 CHAN TERENCE        826-4454+4
      COUTO FRANK         826-4416+4
      CUNNINGHAM RICHARD  826-2563+4
  842 ANDREWS REX         826-5596+4
  844 QUINN LANELL        826-3752+4
      STARKER CHARLES E   826-5613+4
      STARKER OUIDA       826-5613+4
      TURRI DINO          826-0548+4
      VALLEY GLEN         826-1771+4
  846 BENTLEY RON         826-5618+4
      USHER JOHN B        826-3341+4
      VARNER CARL         826-4633+4
  848*GALAXIE APARTMENTS  826-1988
      HUCKOBEY JACK JR    826-0911+4
      SPARKS HARRY J      826-1947
  900 BATES C W           826-2761
      FAWCETT H G MRS     826-5623
  905*AMSTAR SPRCKLS SUGR826-2762
     *SPRECKELS SUGAR DIV826-2762
     *UNION SUGAR DIV     826-4084
10701 IRIART JAS          826-0201 3
     *PACHECO LAND&CATTLE826-3478 3
11169 MARTIN BERT         826-2258
11982*STRAIGHT ARROW      826-9892
13036 FAKES ELIZA         826-1365 3
13397 MELLO H F           826-4664+4
13497 MELLO J F           826-0490 2
13989*LOS BANOS SPRTS ASN826-9995+4
16125 BRESHEARS RICK      826-1758+4
16159 SOUZA DANNY         826-2221 2
16276 SPADAFORE LOUISE L  826-2390
16310 SPADAFORE TOM JR    826-3133 3
16339 SILVA TONY L        826-2368 3
16363 MCMULLEN LOUIS      826-0162+4
16395 THIERCOF PATRICK M  826-4498 3
16411 BETTENCOURT A V     826-2054 3
16593 LEWIS FRANK C       826-4135 2
16629 TERRANOVA ANTHONY   826-1399
16657 LEWIS MARY F        826-4155 3
16675 SPANKOWSKI JACK     826-3136 2
16701 LEWIS ALFRED C      826-2906
16870 SANSTEAD OWEN       826-0234 3
16893 FREITAS JOE E       826-2611
16921 TOSCANO FRANK       826-4118+4
16942 MENDES ARTHUR V     826-5816 2
      MENDES M R          826-2622
16956 GUINTINI CHESTER    826-2484
17048*DOMPELING RFRG SERV826-5711
17311 COSTA JOE F         826-4757
      IUDICE SAL          826-0846
17321  XXXX               00
17359 MOORE CECIL V       826-4154+4
17397 OLAGUE PORFIRO      826-0675
17411 KIZER JAS C         826-3946 2
17445 IVY AUDREY E        826-1229+4
17465 BROWN B B           826-2992 2
17503 COX ERNEST J        826-2657
17529 IUDICE KEITH        826-3518+4
      PHILLIPS GARY       826-3518+4
18016 GARCIA FRANK S      826-2374
18036 CORDEIRO EDWIN      826-2885 3
18131 SILVA VICTOR JR     826-2566
18412 BUIE DENNIS C       826-1968 2
18420 BORBA JOE R         826-2459 3
18503 FREITAS ARNOLD J    826-1000
18840 PRUETT L M          826-3612
19829 BRAZIL MANUEL J JR  826-2974 3
20190 FLORES JOHN         826-5251
20268 MOITOZA FRANK       826-4478
20635  XXXX               00
20645 LACKEY JOHN         826-1033 3
20647 COSTA ANTHONY       826-0828 3
21750 COSTA ANTONIO       826-5353+4
      ROCHA GABRIEL       826-2754 3
      SOUSA ELIAS         826-3129 2
      SOUSA LUIS T        826-4367 2
22622 FREITAS DICK        826-1561+4
22643 LINDEMANN GEORGE    826-3198 3
22705 CAMARILLO IGNACIO   826-4278+4
22723 VIEIRA MANUEL       826-0641+4
22759*LINDEMANN FARMS     826-2442 2
22801 GOMEZ JOE R         826-3408
22839 RAMOS SOTERO S      826-3550+4
22981 HATCH ALAN L        826-0353+4
 NO # BRESSLER R O        826-4578
 NO # COSTA MANUEL A      826-2582
 NO **HALF MOON FRT&PRDCE826-4002
```

Target Street	Cross Street	Source
✓	-	Haines Criss-Cross Directory

SANTA FE GRADE 1974

SANTA FE GRADE S 93635 LOS BANOS

-

9435	MADDOX W L	826-0684	
12031	HASENKAMP CHAS	826-4602	3
	MAYO FOY G	826-1917	
12266	HUGHES BERT E	826-3326	3
	HUGHES HELEN	826-3326	+4
21306	RUSSO SAM	826-0661	+4
NO #	*BIG WTR LND&CATTLE	826-1569	
NO #	*CHRISTENSEN BRO CLB	826-4718	
NO #	HARVEY CHERI	826-4691	3
NO #	HARVEY R E	826-4691	
NO #	MCCLELLON ROBT	826-0287	
NO #	RUBINO SAM	826-4743	

* 2 BUS 10 RES 2 NEW

Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.3
June 01, 2023

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

06/01/23

Site Name:

Los Banos Recharge/SW Basir
Santa Fe Grade
Los Banos, CA 93635
EDR Inquiry # 7351896.3

Client Name:

Provost & Pritchard Eng. Group
455 W. Fir Ave
Clovis, CA 93611
Contact: Darylyn Tachella

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Certified Sanborn Results:

Certification # 0CAC-40C3-B623

PO # 3501-23007-P1

Project Los Banos Recharge/SW Basin

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 0CAC-40C3-B623

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.8
June 01, 2023

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
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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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-13 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records - The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of Provost & Pritchard Eng. Group on Jun 01, 2023.

TARGET PROPERTY

Santa Fe Grade
Los Banos, CA 93635

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Merced County

Year	*Source*	*TP*	*Adjoining*
2023	Merced County, Public Work, Building and Safety		
2022	Merced County, Public Work, Building and Safety		
2021	Merced County, Public Work, Building and Safety		X
2020	Merced County, Public Work, Building and Safety		X
2019	Merced County, Public Work, Building and Safety		X
2018	Merced County, Public Work, Building and Safety		X
2017	Merced County, Public Work, Building and Safety		
2016	Merced County, Public Work, Building and Safety		
2015	Merced County, Public Work, Building and Safety		
2014	Merced County, Public Work, Building and Safety		
2013	Merced County, Public Work, Building and Safety		
2012	Merced County, Public Work, Building and Safety		
2011	Merced County, Public Work, Building and Safety		X
2010	Merced County, Public Work, Building and Safety		
2009	Merced County, Public Work, Building and Safety		
2008	Merced County, Public Work, Building and Safety		
2007	Merced County, Public Work, Building and Safety		
2006	Merced County, Public Work, Building and Safety		
2005	Merced County, Public Work, Building and Safety		
2004	Merced County, Public Work, Building and Safety		
2003	Merced County, Public Work, Building and Safety		
2002	Merced County, Public Work, Building and Safety		
2001	Merced County, Public Work, Building and Safety		
2000	Merced County, Public Work, Building and Safety		
1999	Merced County, Public Work, Building and Safety		
1998	Merced County, Public Work, Building and Safety		
1997	Merced County, Public Work, Building and Safety		

Name: JurisdictionName
Years: Years
Source: Source
Phone: Phone

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Merced County
Years: 1997-2023
Source: Merced County, Public Work, Building and Safety, Merced, CA
Phone: (209) 385-7477

Name: Los Banos
Years: 1997-2019
Source: Los Banos, Building Department, LOS BANOS, CA
Phone: (209) 827-7000 ext.

Name: Santa Clara County Unincorporated Area
Years: 1957-2023
Source: Santa Clara County, Development Services Office, LOS GATOS, CA
Phone: (408) 299-5700

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

Santa Fe Grade
Los Banos, CA 93635

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

Santa Fe Grade

Santa Fe Grade

Date:	**11/23/2021**
Permit Type:	
Description:	**NEW AG. WELL PUMP 200HP**
Permit Description:	**ELE PUMP**
Work Class:	NEW
Proposed Use:	
Permit Number:	BP2021-2014
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

Date:	**2/24/2020**
Permit Type:	
Description:	**RECONNECT ELEC SERV FOR 3 AG PUMPS ON 1 METER:75HP,30HP,10HP**
Permit Description:	**ELE PUMP**
Work Class:	REPAIR/ALT
Proposed Use:	
Permit Number:	BP2020-0273
Status:	ISSUED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

ADJOINING PROPERTY FINDINGS

Date: **2/4/2019**
Permit Type:
Description: **NEW ELECT SERV FOR 250HP AG PUMP (NEW WELL)**

Permit Description: **ELE PUMP**
Work Class: REPAIR/ALT
Proposed Use:
Permit Number: BP2019-0148
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **7/25/2018**
Permit Type:
Description: **UPGRADE ELEC SERV TO 200A,ADD 10 30A & 10 20A RECEPTACLES**

Permit Description: **E PUMP**
Work Class: AG 0-10 HP
Proposed Use:
Permit Number: BP2018-1147
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

Date: **5/7/2018**
Permit Type:
Description: **NEW ELECT SERV 100 HP AG PUMP (NEW WELL)**

Permit Description: **ELE PUMP**
Work Class: REPAIR/ALT
Proposed Use:
Permit Number: BP2018-0700
Status: FINALED
Valuation: $0.00
Contractor Company:
Contractor Name:

ADJOINING PROPERTY FINDINGS

Date:	**8/31/2011**
Permit Type:	
Description:	**ELEC SERV FOR NEW 150HP AG PUMP (WELL #8.03)**
Permit Description:	**ELE PUMP**
Work Class:	NEW
Proposed Use:	
Permit Number:	BP2011-0946
Status:	FINALED
Valuation:	$0.00
Contractor Company:	
Contractor Name:	

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use (s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

PARCELQUEST
LIST 1
DETAIL

☑ 4 Property Address:

Ownership

County:	**MERCED, CA**
Assessor:	**MATT H. MAY, ASSESSOR**
Parcel # (APN):	**073-220-014-000**
Parcel Status:	**ACTIVE**
Owner Name:	**CITY OF LOS BANOS**
Mailing Address:	**520 J ST LOS BANOS CA 93635**
Legal Description:	**POR NW1/4 SEC 7/10/11 ETC**

Assessment

Total Value:	**$198,537**	Use Code:	**1919**	Use Type:	**GOVERNMENT**
Land Value:	**$198,537**	Tax Rate Area:	**082-004**	County Zoning Code:	
Impr Value:		Year Assd:	**2022**	Census Tract:	**23.04/1**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	**02/06/2002**			**02/06/2002**
Document Number:	**2002R0006194**			**2002R0006194**
Document Type:	**GRANT DEED**			
Transfer Amount:				
Seller (Grantor):	**SILVA MARY P**			

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**47.900**	Spaces:		Site Influence:	
Lot SqFt:	**2,086,524**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

PARCELQUEST
LIST 1
DETAIL

☑ 1 Property Address:

Ownership

County: **MERCED, CA**
Assessor: **MATT H. MAY, ASSESSOR**
Parcel # (APN): **082-020-024-000**
Parcel Status: **A**
Owner Name: **CITY OF LOS BANOS**
Mailing Address: **520 J ST LOS BANOS CA 93635**
Legal Description: **POR SE1/4 SEC 1/10/10**

Assessment

Total Value:	**$328,935**	Use Code:	**1919**	Use Type:	**GOVERNMENT**
Land Value:	**$328,935**	Tax Rate Area:	**082-004**	County Zoning Code:	
Impr Value:		Year Assd:	**2022**	Census Tract:	**22.04/1**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	**02/06/2002**			**02/06/2002**
Document Number:	**2002R0006194**			**2002R0006194**
Document Type:	**GRANT DEED**			
Transfer Amount:				
Seller (Grantor):	**SILVA MARY P**			

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**62.000**	Spaces:		Site Influence:	
Lot SqFt:	**2,700,720**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

PARCELQUEST
LIST 1
DETAIL

☑ 2 Property Address:

Ownership

County:	**MERCED, CA**
Assessor:	**MATT H. MAY, ASSESSOR**
Parcel # (APN):	**424-010-003-000**
Parcel Status:	**ACTIVE**
Owner Name:	**CITY OF LOS BANOS**
Mailing Address:	**520 J ST LOS BANOS CA 93635**
Legal Description:	**POR N1/2 OF NE1/4 SEC 12/10/10**

Assessment

Total Value:		Use Code:	**1515**	Use Type:	**GOVERNMENT**
Land Value:		Tax Rate Area:	**004-001**	County Zoning Code:	
Impr Value:		Year Assd:	**2022**	Census Tract:	**23.04/1**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:				**02/06/2002**
Document Number:				**2003R0206194**
Document Type:				
Transfer Amount:				
Seller (Grantor):				

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**13.000**	Spaces:		Site Influence:	
Lot SqFt:	**566,280**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

PARCELQUEST
LIST 1
DETAIL

☑ 3 Property Address:

Ownership

County: **MERCED, CA**
Assessor: **MATT H. MAY, ASSESSOR**
Parcel # (APN): **424-010-004-000**
Parcel Status: **ACTIVE**
Owner Name: **CITY OF LOS BANOS**
Mailing Address: **520 J ST LOS BANOS CA 93635**
Legal Description: **POR NE1/4 SEC 12/10/10**

Assessment

Total Value:	**$349,108**	Use Code:	**1919**	Use Type:	**GOVERNMENT**
Land Value:	**$349,108**	Tax Rate Area:	**082-004**	County Zoning Code:	
Impr Value:		Year Assd:	**2022**	Census Tract:	**23.04/1**
Other Value:		Property Tax:		Price/SqFt:	
% Improved:	**0%**	Delinquent Yr:			
Exempt Amt:		HO Exempt:	**N**		

Sale History

	Sale 1	Sale 2	Sale 3	Transfer
Document Date:	**02/06/2002**			**02/06/2002**
Document Number:	**2002R0006194**			**2002R0006194**
Document Type:	**GRANT DEED**			
Transfer Amount:				
Seller (Grantor):	**SILVA MARY P**			

Property Characteristics

Bedrooms:		Fireplace:		Units:	
Baths (Full):		A/C:		Stories:	
Baths (Half):		Heating:		Quality:	
Total Rooms:		Pool:		Building Class:	
Bldg/Liv Area:		Park Type:		Condition:	
Lot Acres:	**62.000**	Spaces:		Site Influence:	
Lot SqFt:	**2,700,720**	Garage SqFt:		Timber Preserve:	
Year Built:				Ag Preserve:	
Effective Year:					

Los Banos Recharge/SW Basin
Santa Fe Grade
Los Banos, CA 93635

Inquiry Number: 7351896.6
June 01, 2023

The EDR Property Tax Map Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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

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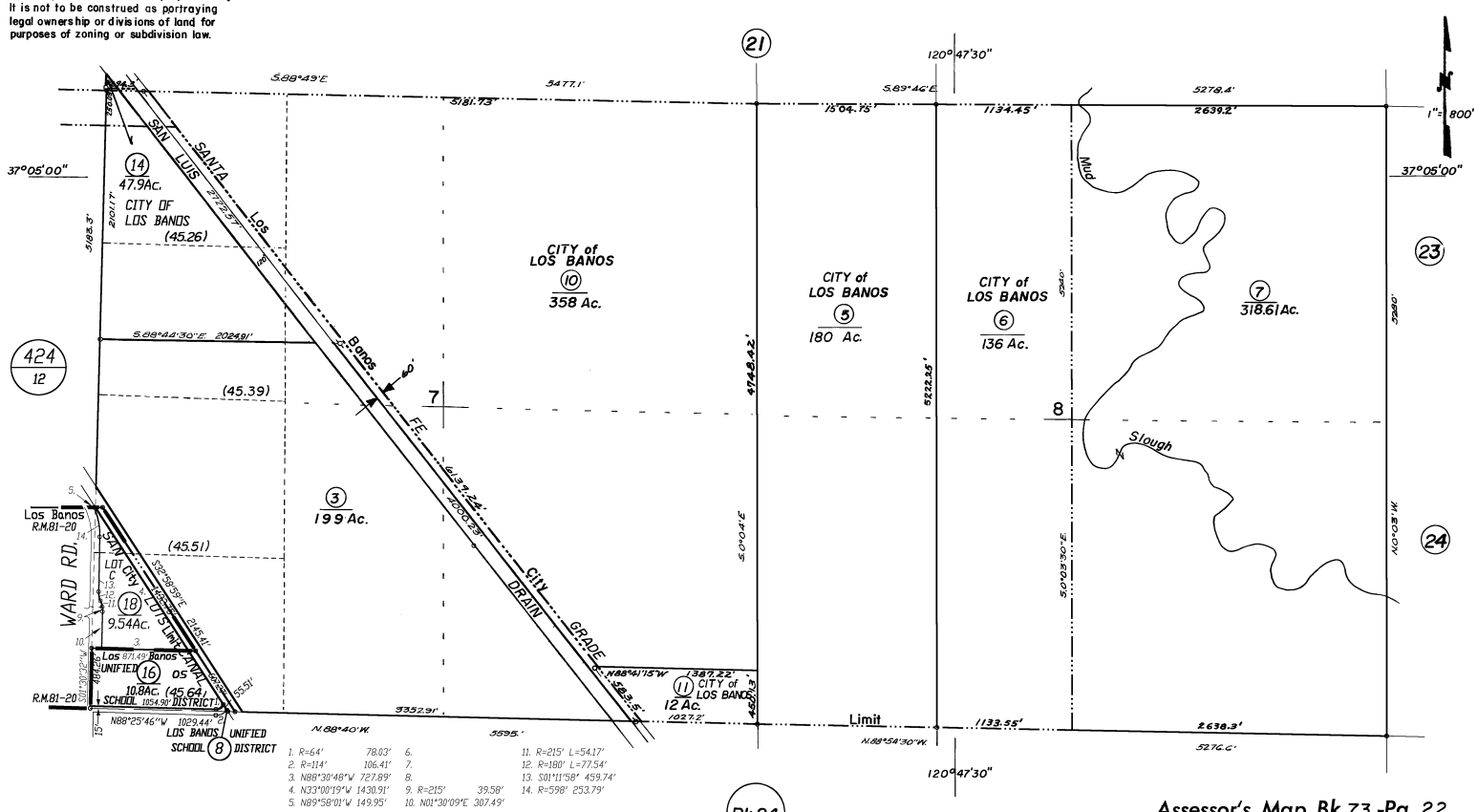
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T. 10S., R. 11E., M. D. B. & M.

Tax Rate Area 004-001 004-066 082-004 **73-22**

-NOTE-
This map is for Assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.



1. R=64'	78.03'	6.		11. R=215'	L=54.17'
2. R=114'	106.41'	7.		12. R=180'	L=77.54'
3. N88°30'48"W	727.89'	8.		13. S01°11'58"	459.74'
4. N33°00'19"W	1430.91'	9. R=215'	39.58'	14. R=598'	253.79'
5. N89°58'01"W	149.95'	10. N01°30'09"E	307.49'		

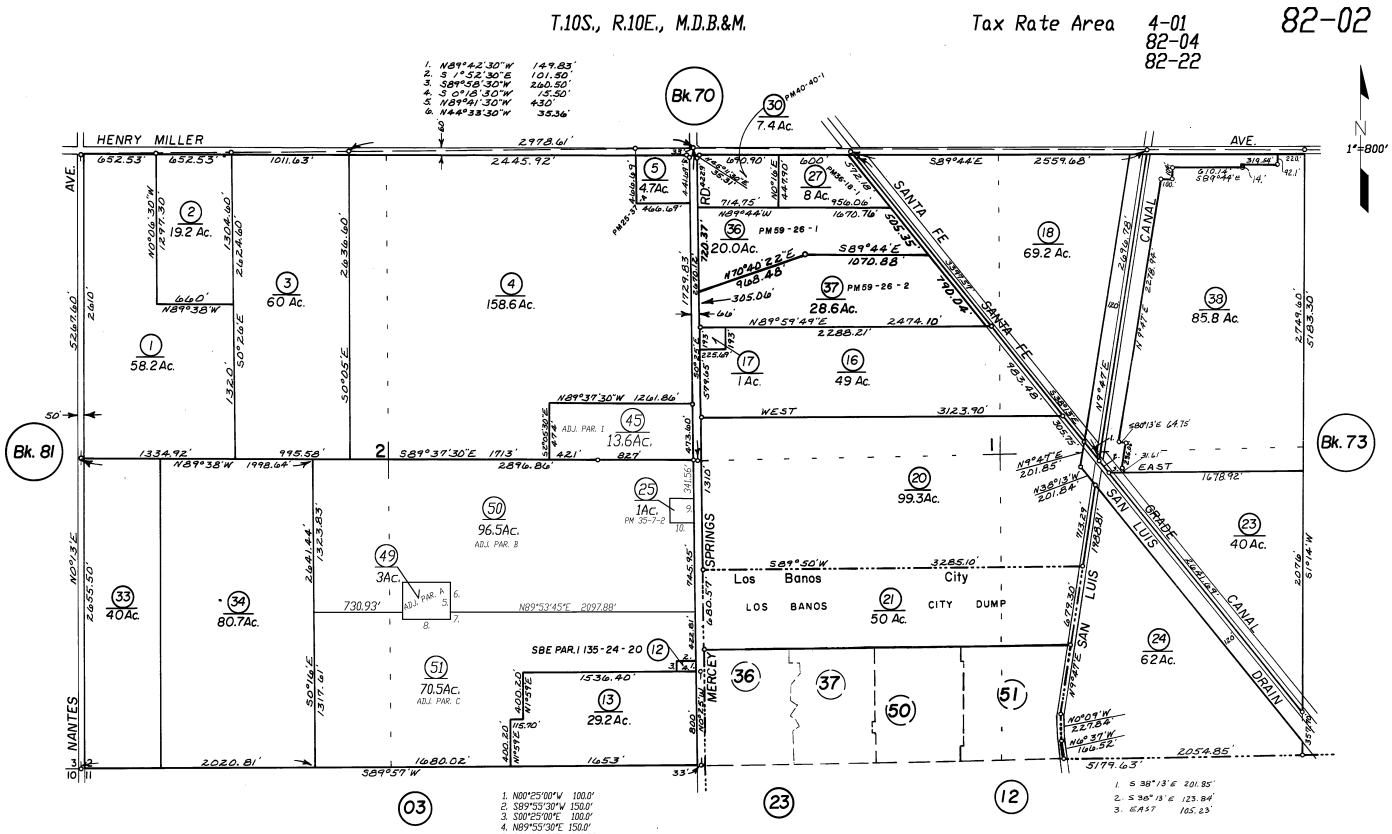
REVISED 12/73 05-20-22
12-30-14
05-30-19

SOUTHPOINTE AT REGENCY PARK, R.M.Vol.81, Pg.20

NOTE-Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Assessor's Map Bk.73-Pg. 22
County of Merced, Calif.

1957


T.10S., R.10E., M.D.B.&M.
Tax Rate Area 4-01
82-04
82-22
82-02
Bk. 70
Bk. 81
Bk. 73
HENRY MILLER AVE.
SANTA FE
SAN LUIS CANAL
SAN LUIS DRAIN
MERCY SPRINGS
NANTES AVE.
Los Banos City
LOS BANOS CITY DUMP
WEST
EAST
1" = 800'
St. Francis Est. Unit No. 2, R.M. Vol. 37, Pg. 12
NOTE - Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles
Assessor's Map Bk. 82 -Pg. 02
County of Merced, Calif.
1977
DRAWN
1-26-90
2-90
6-93
7-94
7-96
8-8-14
02-04-15
7-2-19

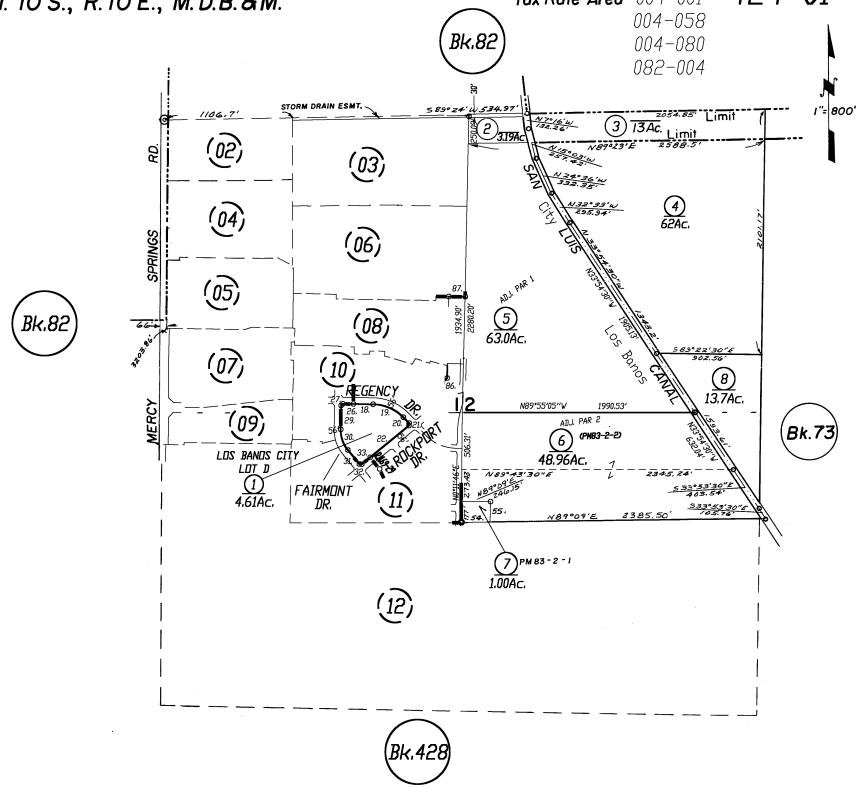
T. 10 S., R. 10 E., M.D.B.&M.

Tax Rate Area 004-001 004-058 004-080 082-004

424-01

– NOTE –
This map is for Assessment purposes only. It is not to be construed as portraying legal ownership or divisions of land for purposes of zoning or subdivision law.

1.
2.
3.
4. R=670' 292.85'
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.
16.
17.
18. N89°05'46"E 168.71'
19. R=372' L=288.57'
20. N44°39'04"W 70.81'
21. N03°03'01"E 22.19'
22. N50°45'06"E 429.24'
69.
70.
71.
72.
73.
75.
76.
77.
78.
79.
80.
81.
82.
83.
84.
26. N89°05'46"W 90'
27. N45°54'14"E 21.21'
28.
29. N00°54'14"E 204.51'
30. R=272' L=190.62'
31. N39°14'54"W 154.54'
32. N84°14'54"W 21.21'
33. S50°45'06"W 92.82'
87. S88°48'57"E 140.00'
88.
54. N 89°09' E 244.15'
55. N 0°18' E 177'



DRAWN 7-07
REVISED 12-28-12

Regency Park Estates Unit No.6, R.M. Vol.69, Pg.29

NOTE—Assessor's Block Numbers Shown in Ellipses
Assessor's Parcel Numbers Shown in Circles

Assessor's Map Bk.424–Pg.01
County of Merced, Calif.
2007

Appendix E Site Reconnaissance Photographs



0 200 400
Feet

Photo Location Map

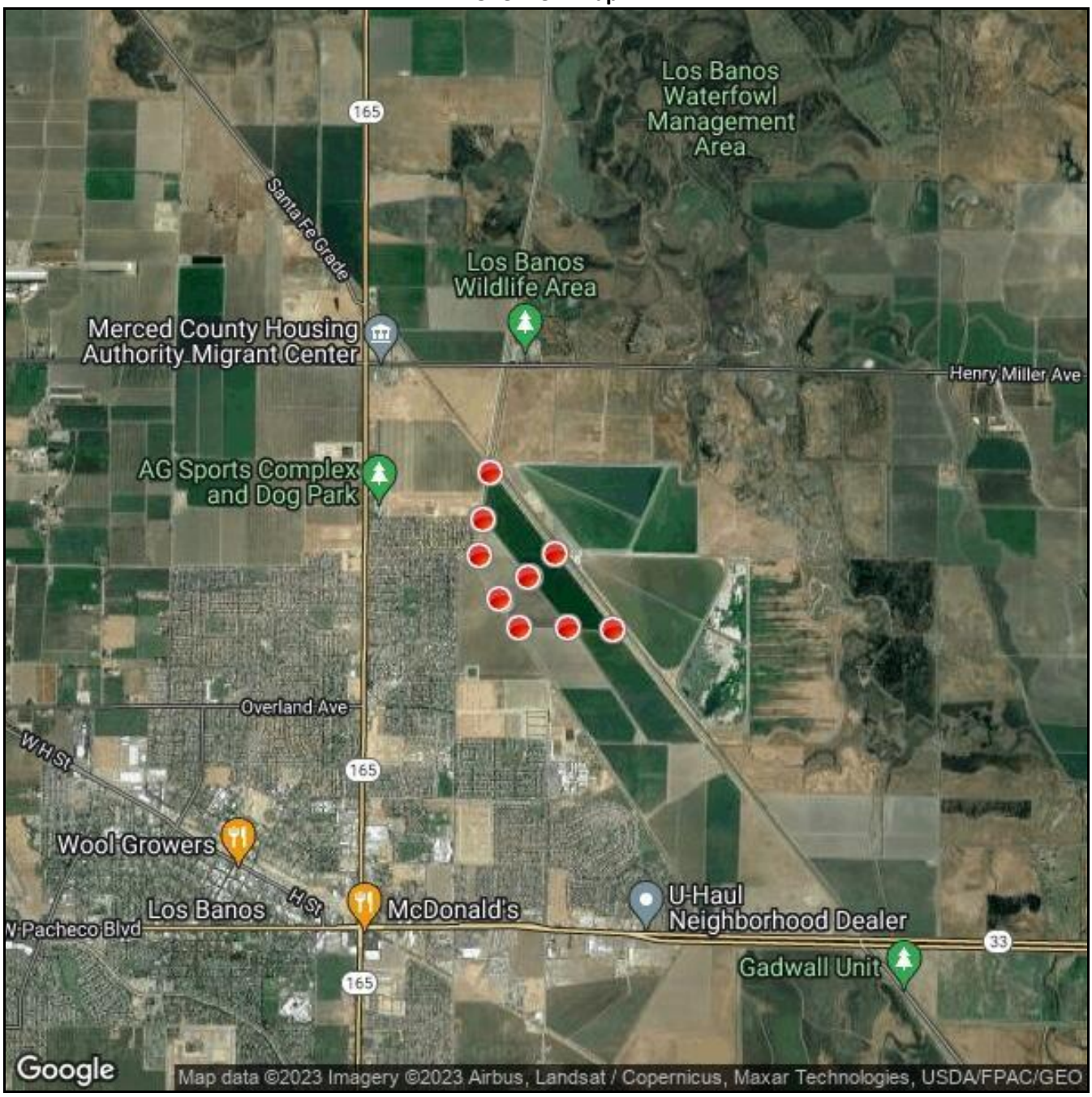
City of Los Banos Water Basin Phase I ESA, Merced County

PROVOST& PRITCHARD

6/23/2023 G:\Los Banos_City of-3501\350123007-Recharge Basin and Stormwater Capture\400 GIS\Map\Phase1Maps.aprx

City of Los Banos
Water Basin ESA

Overview Map

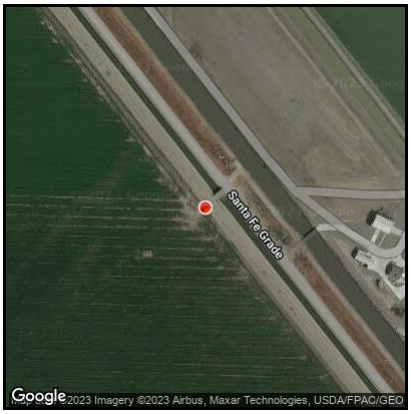


City of Los Banos

Water Basin ESA

Attributes	
Description	View northwest
Date/Time	6/15/2023 10:13:07 AM
Latitude	N 37° 05' 06.99"
Longitude	W 120° 49' 00.07"

CityLosBanos-ESA (1).jpg

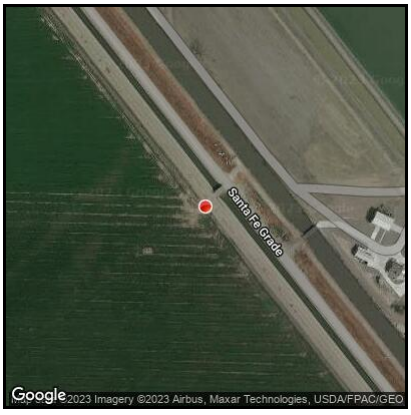




Title:

Attributes	
Description	View southeast
Date/Time	6/15/2023 10:13:22 AM
Latitude	N 37° 05' 06.94"
Longitude	W 120° 49' 00.05"

CityLosBanos-ESA (2).jpg

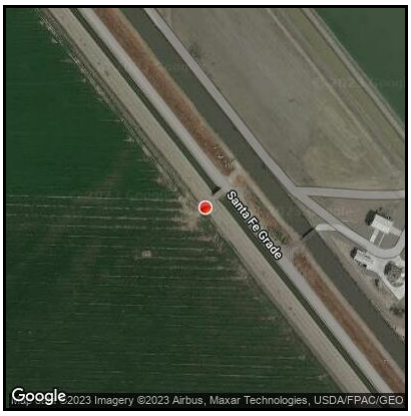




Title:

Attributes	
Description	View west
Date/Time	6/15/2023 10:13:54 AM
Latitude	N 37° 05' 06.98"
Longitude	W 120° 49' 00.00"

CityLosBanos-ESA (3).jpg

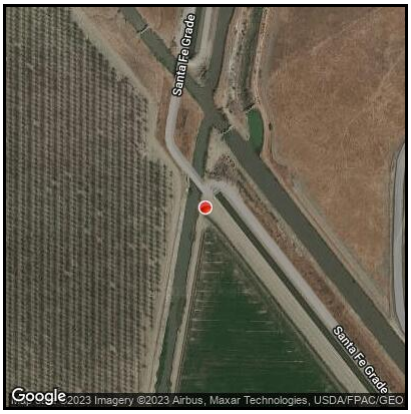




Title:

Attributes	
Description	View southeast
Date/Time	6/15/2023 10:17:47 AM
Latitude	N 37° 05' 30.16"
Longitude	W 120° 49' 22.74"

CityLosBanos-ESA (4).jpg

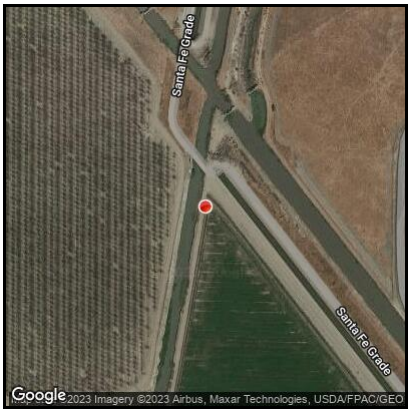




Title:

Attributes	
Description	View south
Date/Time	6/15/2023 10:18:31 AM
Latitude	N 37° 05' 29.61"
Longitude	W 120° 49' 22.86"

CityLosBanos-ESA (5).jpg





Title:

Attributes	
Description	View north
Date/Time	6/15/2023 10:22:29 AM
Latitude	N 37° 05' 16.67"
Longitude	W 120° 49' 25.69"

CityLosBanos-ESA (6).jpg

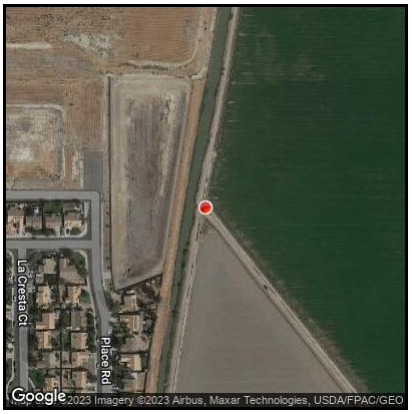




Title:

Attributes	
Description	View southeast
Date/Time	6/15/2023 10:23:13 AM
Latitude	N 37° 05' 16.68"
Longitude	W 120° 49' 25.55"

CityLosBanos-ESA (7).jpg

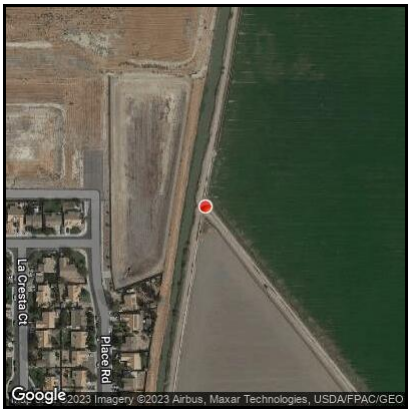




Title:

Attributes	
Description	View south
Date/Time	6/15/2023 10:23:27 AM
Latitude	N 37° 05' 16.66"
Longitude	W 120° 49' 25.55"

CityLosBanos-ESA (8).jpg





Title:

Attributes	
Description	View east
Date/Time	6/15/2023 10:25:26 AM
Latitude	N 37° 05' 06.64"
Longitude	W 120° 49' 26.73"

CityLosBanos-ESA (9).jpg





Title:

Attributes	
Description	Lift pump and well
Date/Time	6/15/2023 10:28:02 AM
Latitude	N 37° 04' 54.58"
Longitude	W 120° 49' 19.45"

CityLosBanos-ESA (10).jpg





Title:

Attributes	
Description	Well head and lubricating oil
Date/Time	6/15/2023 10:28:46 AM
Latitude	N 37° 04' 54.83"
Longitude	W 120° 49' 19.03"

CityLosBanos-ESA (11).jpg





Title:

Attributes	
Description	Electrical panels for pumps
Date/Time	6/15/2023 10:29:30 AM
Latitude	N 37° 04' 54.76"
Longitude	W 120° 49' 19.25"

CityLosBanos-ESA (12).jpg





Title:

Attributes	
Description	Sewer manholes
Date/Time	6/15/2023 10:30:15 AM
Latitude	N 37° 04' 54.46"
Longitude	W 120° 49' 19.15"

CityLosBanos-ESA (13).jpg



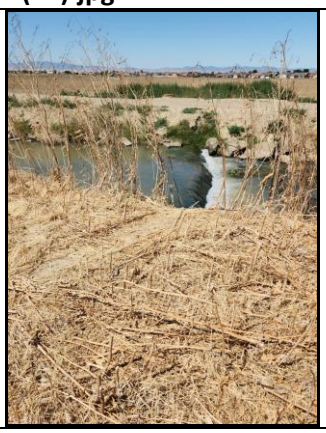


Title:

Attributes	
Description	View west
Date/Time	6/15/2023 10:30:56 AM
Latitude	N 37° 04' 54.37"
Longitude	W 120° 49' 19.34"

CityLosBanos-ESA (14).jpg





Title:

Attributes	
Description	View east
Date/Time	6/15/2023 10:31:16 AM
Latitude	N 37° 04' 54.38"
Longitude	W 120° 49' 19.29"

CityLosBanos-ESA (15).jpg





Title:

Attributes	
Description	View southeast
Date/Time	6/15/2023 10:31:27 AM
Latitude	N 37° 04' 54.41"
Longitude	W 120° 49' 19.26"

CityLosBanos-ESA (16).jpg





Title:

Attributes	
Description	View northwest
Date/Time	6/15/2023 10:32:00 AM
Latitude	N 37° 04' 54.90"
Longitude	W 120° 49' 19.55"

CityLosBanos-ESA (17).jpg





Title:

Attributes	
Description	View northwest
Date/Time	6/15/2023 10:33:57 AM
Latitude	N 37° 04' 46.76"
Longitude	W 120° 49' 12.97"

CityLosBanos-ESA (18).jpg





Title:

Attributes	
Description	View east
Date/Time	6/15/2023 10:34:15 AM
Latitude	N 37° 04' 46.91"
Longitude	W 120° 49' 13.00"

CityLosBanos-ESA (19).jpg





Title:

Attributes	
Description	View west
Date/Time	6/15/2023 10:36:36 AM
Latitude	N 37° 04' 46.62"
Longitude	W 120° 48' 55.92"

CityLosBanos-ESA (20).jpg





Title:

Attributes	
Description	View northwest
Date/Time	6/15/2023 10:36:45 AM
Latitude	N 37° 04' 46.63"
Longitude	W 120° 48' 55.89"

CityLosBanos-ESA (21).jpg





Title:

Attributes	
Description	View east
Date/Time	6/15/2023 10:36:58 AM
Latitude	N 37° 04' 46.62"
Longitude	W 120° 48' 55.89"

CityLosBanos-ESA (22).jpg

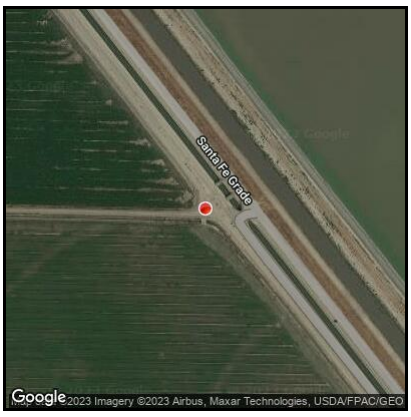




Title:

Attributes	
Description	View west
Date/Time	6/15/2023 10:39:13 AM
Latitude	N 37° 04' 46.36"
Longitude	W 120° 48' 40.14"

CityLosBanos-ESA (23).jpg

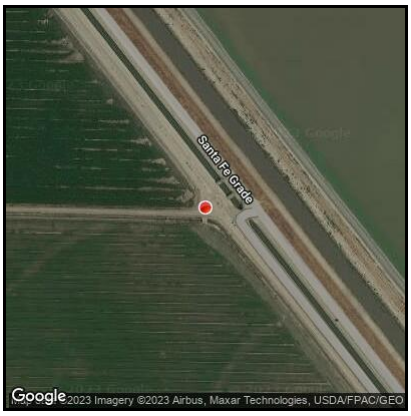




Title:

Attributes	
Description	View northwest
Date/Time	6/15/2023 10:39:23 AM
Latitude	N 37° 04' 46.35"
Longitude	W 120° 48' 40.16"

CityLosBanos-ESA (24).jpg





Title:

Attributes	
Description	View southwest of presumed pipe alignment
Date/Time	6/15/2023 10:48:24 AM
Latitude	N 37° 05' 00.59"
Longitude	W 120° 49' 09.78"

CityLosBanos-ESA (25).jpg





Title:

Attributes	
Description	View northeast
Date/Time	6/15/2023 10:49:11 AM
Latitude	N 37° 05' 00.64"
Longitude	W 120° 49' 09.73"

CityLosBanos-ESA (26).jpg





Title:

Attributes	
Description	View southeast
Date/Time	6/15/2023 10:49:39 AM
Latitude	N 37° 05' 00.71"
Longitude	W 120° 49' 09.56"

CityLosBanos-ESA (27).jpg





Title:

City of Los Banos

Water Basin ESA

Attributes	
Description	View northwest
Date/Time	6/15/2023 10:49:56 AM
Latitude	N 37° 05' 00.83"
Longitude	W 120° 49' 09.81"

CityLosBanos-ESA (28).jpg





Title:

Appendix F Interviews

Phase I ESA Owner or Occupant Questionnaire

EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

455 W Fir Avenue
Clovis, CA 93611-0242
Tel: (559) 449-2700
Fax: (559) 449-2715
www.provostandpritchard.com

PHASE I ENVIRONMENTAL SITE ASSESSMENT QUESTIONNAIRE—OWNER OR OCCUPANT

Date: 8/17/23

Site Name/Address: Los Banos/GWD Storm Recharge Project

Completed by Mr./Mrs.: Stacy Souza Elms, Community & Econ Dev Director

Company: City of Los Banos Relation with Site: Represent Owner

Address: 520 J Street

Telephone: (209)827-2433 E-mail: stacy.elms@losbanos.org

Someone better associated with site? Nirorn Than, PE Telephone: (209)827-7056

INTERVIEW QUESTIONS

1) How long have you been associated with this site? 18 years

2) Are there structures on the site? For what purpose(s)? No

3) What are the current and past site uses? During what time periods? Past and current use is agriculture - hay/alfalfa fields

4) Any aboveground or underground storage tanks associated with the site? (E.g. Fuel or Fertilizer tanks) If yes, the purpose? No

5) Any hazardous materials use, storage, spills, or leaks (including used oil or antifreeze) currently or in the past? No

6) Any past clean-up operations? Due to regulatory action or not? No

7) Any current or past pesticide mixing facilities on the site? No

8) Any buried materials (including buried trash, engine parts) or burn areas on the site? No

9) Any irrigation wells, domestic wells, monitoring wells, or dry wells on the site (active or abandoned)? No wells

EST. 1968
PROVOST& PRITCHARD
CONSULTING GROUP
An Employee Owned Company

455 W Fir Avenue
Clovis, CA 93611-0242
Tel: (559) 449-2700
Fax: (559) 449-2715
www.provostandpritchard.com

10) Any waste treatment or discharges on the site? No

11) Any septic tanks/leach fields? No

12) City water or private well? No City sewer or private septic? No

13) Any disposal ponds or storm water retention basins? No

14) Any adjacent property environmental concerns (E.g. Gas Stations, Industrial Facilities)? Adjacent to City Waste Water Treatment Plant

Engineering • Surveying • Planning • Environmental • GIS • Construction Services • Hydrogeology • Consulting
Clovis • Bakersfield • Visalia • Modesto • Los Banos • Chico • Sacramento